



**US ARMY CORPS OF ENGINEERS (USACE)  
REGULATORY PROGRAM  
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)  
2023 RULE**

**OMB Control Number: 0710-0024  
Expiration Date: 09/30/2023**

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**I. ADMINISTRATIVE INFORMATION**

Completion Date of Approved Jurisdictional Determination (AJD): [5/4/2023](#)

ORM Project Name: [Morrisville Water Authority](#)

ORM Identification Number: [NAP-2022-01206-44](#)

- ☐ Other sites (e.g., offsite mitigation sites, disposal sites or other review areas, etc.) are associated with this action and are recorded on a different jurisdictional determination (JD) form(s).

Associated JD Names and Numbers: [N/A](#)

Review Area Location: State/Territory: Pennsylvania City: [Borough of Morrisville, Falls Township](#)

County/Parish/Borough: [Bucks County](#)

Center Coordinates of Review Area: Latitude: [40.138198°N](#), Longitude: [-74.743833°W](#)

Limits of review area: [See Attached Map](#)

**II. SUMMARY<sup>2</sup>**

Check all that apply. At least one box from the following list **MUST** be selected. Complete the corresponding tables in Section III., summarize data sources in Section IV., and attach completed Appendices A and/or B when specified.

- ☐ The review area is comprised entirely of dry land (i.e., there are no waters such as streams, rivers, wetlands, lakes, ponds, tidal waters, ditches, and the like in the entire review area). Rationale: [N/A](#)
- ☐ There are "navigable waters of the United States" within Rivers and Harbors Act jurisdiction within the review area (complete the table in Section III.A.).
- ☐ There are "waters of the United States" within Clean Water Act jurisdiction within the review area (complete appropriate tables in Section III.B. and complete and attach appendices as appropriate).
- ☒ Potentially jurisdictional waters and/or features were assessed within the review area and determined to be non-jurisdictional (complete appropriate tables in Section III.C. and complete and attach appendices as appropriate).

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<sup>1</sup> The final rule "Revised Definition of 'Waters of the United States'" (2023 Rule) was published in the *Federal Register* on 18 January 2023 and the effective date is 20 March 2023. See <https://www.federalregister.gov/documents/2023/01/18/2022-28595/revised-definition-of-waters-of-the-united-states>.

<sup>2</sup> Map(s)/figure(s) or descriptions of the review area and any jurisdictional waters are attached to the AJD provided to the requestor.



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**III. FINDINGS IN THE REVIEW AREA**

**A. Jurisdictional under the Rivers and Harbors Act of 1899<sup>3</sup> (Section 10)<sup>4</sup>**

Section 10 Waters			
Section 10 water name	Section 10 size in review area		Type of Section 10 water
N/A	N/A	N/A	N/A.
Rationale for determination: N/A			

**B. Jurisdictional under the Clean Water Act**

<b>Paragraph (a)(1) waters:</b> <sup>5</sup> Waters which are: (i) Currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide (Traditional Navigable Waters); (ii) The territorial seas; or (iii) Interstate waters, including interstate wetlands			
(a)(1) water name	(a)(1) size in review area		Type of paragraph (a)(1) water
N/A	N/A	N/A	N/A.
Rationale for determination: N/A			

<b>Paragraph (a)(2) waters:</b> Impoundments of waters otherwise defined as waters of the United States under this definition, other than impoundments of waters identified under paragraph (a)(5)			
(a)(2) water name	(a)(2) size in review area		Type of paragraph (a)(2) water
N/A	N/A	N/A	N/A.
Rationale for determination: N/A			

<sup>3</sup> If the navigable water of the United States is not subject to the ebb and flow of the tide and not included on the district's list of Rivers and Harbors Act (RHA) Section 10 navigable waters of the United States list do NOT use this form to make a report of findings to support a determination that the water is a navigable water of the United States. The district must follow the procedure outlined in 33 CFR part 329.14 to make a determination that water is a navigable water of the United States subject to Section 10 of the Rivers and Harbors Act.

<sup>4</sup> USACE has authority under both Section 9 and Section 10 of the Rivers and Harbors Act of 1899 but for convenience, in this AJD form, jurisdiction under RHA will be referred to as Section 10.

<sup>5</sup> A stand-alone TNW determination for a water that is not subject to Section 9 or 10 of RHA is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established. A stand-alone TNW determination should be completed following applicable guidance and should NOT be documented on the AJD Form.



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**Paragraph (a)(3) waters:** Tributaries of waters identified in paragraph (a)(1) or (2): (i) That are relatively permanent, standing or continuously flowing bodies of water; or (ii) That either alone or in combination with similarly situated waters in the region, significantly affect the chemical, physical, or biological integrity of waters identified in paragraph (a)(1)

(a)(3) water name	(a)(3) size in review area	Type of paragraph (a)(3) water
N/A	N/A	N/A.
Rationale for determination: N/A		

**Paragraph (a)(4) waters:** Wetlands adjacent to the following waters: (i) Waters identified in paragraph (a)(1); or (ii) Relatively permanent, standing or continuously flowing bodies of water identified in paragraph (a)(2) or (a)(3)(i) and with a continuous surface connection to those waters; or (iii) Waters identified in paragraph (a)(2) or (3) when the wetlands either alone or in combination with similarly situated waters in the region, significantly affect the chemical, physical, or biological integrity of waters identified in paragraph (a)(1)

(a)(4) water name	(a)(4) size in review area	Adjacency criteria
N/A	N/A	N/A
Type of paragraph (a)(4) water	N/A	
Rationale for determination: N/A		

**Paragraph (a)(5) waters:** Intrastate lakes and ponds, streams, or wetlands not identified in paragraphs (a)(1) through (4): (i) That are relatively permanent, standing or continuously flowing bodies of water with a continuous surface connection to the waters identified in paragraph (a)(1) or (a)(3)(i); or (ii) That either alone or in combination with similarly situated waters in the region, significantly affect the chemical, physical, or biological integrity of waters identified in paragraph (a)(1).<sup>6</sup>

(a)(5) water name	(a)(5) size in review area	Type of paragraph (a)(5) water
N/A	N/A.	N/A
Rationale for determination: N/A		

<sup>6</sup> In implementing the significant nexus standard, the agencies generally intend to analyze waters under paragraph (a)(5) individually to determine if they significantly affect the chemical, physical, or biological integrity of a paragraph (a)(1) water.



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**C. Waters or features that are not jurisdictional under the Clean Water Act**

**Waters analyzed under paragraph (a)(3)(ii), (a)(4)(iii), or (a)(5)(ii) and determined non-jurisdictional:** Tributaries of waters identified in paragraph (a)(1) or (2); and/or wetlands adjacent to waters identified in paragraph (a)(2) or (3); and/or intrastate lakes and ponds, streams, or wetlands not identified as (a)(1) through (4) waters; that either alone or in combination with similarly situated waters in the region, do not significantly affect the chemical, physical, or biological integrity of waters identified in paragraph (a)(1).

Water name	Water size in review area		Type of water for which significant nexus was not met:
N/A	N/A	N/A	N/A
Rationale for determination: N/A			

**(b)(1) – (b)(8) Excluded Features<sup>7</sup>**

Excluded feature name	Excluded feature size in review area		Exclusion <sup>8</sup>
Lagoon 1	1.06	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Lagoon 2	1.09	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Lagoon 3	1.18	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Lagoon 4	3.48	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Lagoon 5	2.81	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Settling Basin 1	0.90	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Settling Basin 2	0.89	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Settling Basin 3	0.89	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act

<sup>7</sup> Transient features on the landscape that are difficult to document due to their non-permanent nature, such as rills and gullies, may not be specifically identified on the AJD form unless a requestor specifically asks a USACE district to do so. USACE districts may, in case-by-case instances, elect to document any such feature on a case-by-case basis, such as when the feature is relevant to analysis of the jurisdictional status of another water.

<sup>8</sup> Note the full text of the exclusions for (b)(1)-(6) and (b)(8) are included in the dropdown list, while the text for the (b)(7) exclusion is truncated due to space limitations. The full text of the (b)(7) exclusion is as follows: (b)(7) Waterfilled depressions created in dry land incidental to construction activity and pits excavated in dry land for the purpose of obtaining fill, sand, or gravel unless and until the construction or excavation operation is abandoned and the resulting body of water meets the definition of waters of the United States



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<b>(b)(1) – (b)(8) Excluded Features<sup>7</sup></b>			
Excluded feature name	Excluded feature size in review area		Exclusion <sup>8</sup>
Settling Basin 4	0.90	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Settling Basin 5	0.89	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Settling Basin 6	0.88	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Settling Basin 7	0.89	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Settling Basin 8	0.90	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Wetland 1	0.23	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Wetland 2	0.35	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Wetland 4	0.11	Acre(s)	(b)(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act
Rationale for determination: 33 CFR 328.3 ("the 2023 Rule")			

#### IV. SUPPORTING INFORMATION

##### A. Paragraph (a)(1) water that is outside the review area:

- Provide the name of the paragraph (a)(1) water: **N/A**
- Type of paragraph (a)(1) water: **N/A**.
- Provide the rationale for jurisdiction of the paragraph (a)(1) water: **N/A**

##### B. Significant nexus analyses

- ☐ Appendix A is attached and includes the significant nexus analysis for any waters in the review area that were evaluated under paragraph (a)(3)(ii) and/or paragraph (a)(4)(iii).
- ☐ Appendix B is attached and includes the significant nexus analyses for any waters in the review area that were evaluated under paragraph (a)(5)(ii).
- ☒ There are no waters in the review area that require evaluation under the significant nexus standard. Therefore, neither Appendix A nor Appendix B are included with this form

**C. Data, models, and other relevant methods** Select/enter all resources that were used to support this determination and include data/maps and/or references/citations in the administrative record, as appropriate.



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- ☒ Aquatic resources delineation submitted by, or on behalf of, the requestor: [As included in original Pennoni PJD request later converted to AJD request](#)

The aquatic resources delineation submitted by or on behalf of the requestor is sufficient for purposes of this AJD [Yes](#)

Rationale: [N/A](#)

- ☐ Aquatic resources delineation prepared by the USACE: [Title\(s\) and Date\(s\)](#)
- ☐ Wetland field data sheets prepared by the USACE: [Title\(s\) and Date\(s\)](#)
- ☐ OHWM data sheets prepared by the USACE: [Title\(s\) and Date\(s\)](#)
- ☒ USACE site visit: Date(s) of site visit(s): [Site visit on 2/10/23, MFR of site visit prepared same day](#)
- ☒ Previous Jurisdictional Determinations (AJDs or PJDs) addressing the same (or portions of the same) review area: [NAP-2020-00796 – JD under NWPR issued 12/29/2020 for larger area](#)
- ☒ Photographs: [1/20/2021 – Pennoni original PJD request](#)
- ☒ Aerial Imagery: [Google Earth \(2023\); HistoricAerials.com \(1947 and 1953\)](#)
- ☐ LiDAR: [Source\(s\), Title\(s\) and Date\(s\)](#)
- ☒ USDA NRCS Soil Survey: [See original Pennoni PJD request](#)
- ☒ USFWS NWI maps: [See original Pennoni PJD request - on-line access dated 2/11/2021](#)
- ☒ USGS topographic maps: [See original Pennoni PJD request](#)
- ☐ USGS NHD data/maps: [Title\(s\) and Date\(s\)](#)
- ☐ USGS Dynamic Surface Water Extent: [Title\(s\) and Date\(s\)](#)
- ☐ Section 10 navigability resource used: [Title\(s\) and Date\(s\)](#)

Other data sources or models used to aid in this determination:

Data source or model (Select)	Name, date, and other relevant information
<a href="#">USGS Sources</a>	<a href="#">N/A</a>
<a href="#">USEPA Sources</a>	<a href="#">N/A</a>
<a href="#">USDA Sources<sup>9</sup></a>	<a href="#">N/A</a>
<a href="#">NOAA Sources</a>	<a href="#">N/A</a>
<a href="#">USACE Sources</a>	<a href="#">N/A</a>
<a href="#">State/Local/Tribal Sources</a>	<a href="#">N/A</a>
<a href="#">Other Sources</a>	<a href="#">N/A</a>

**D. Additional comments to support AJD:** [See Attachment A.](#)

<sup>9</sup> Including Certified Wetland Determination from the NRCS.

## **ATTACHMENT A.**

### **IV. SUPPORTING INFORMATION**

#### **D. Additional comments to support AJD**

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of Clean Water Act (other than cooling ponds as defined in 33 CFR 328.3 (“the 2023 Rule”) which also meet the criteria of this definition) are not waters of the United States.

The adjacent wetland must have a continuous surface connection to a relatively permanent, standing or continuously flowing water connected to a paragraph (a)(1) water or must either alone or in combination with similarly situated waters significantly affect the chemical, physical, or biological integrity of paragraph (a)(1) water.

Wetlands 1-2: Wetlands 1 and 2 are located within a manmade basin designed to contain overflow and flooding from the existing waste treatment facility. There are roughly 8-to-10-foot fill berms that completely surround Wetland 1 and 2, with no surface hydrologic connection between an adjacent wetland and a TNW. The interior of the basin receives regular overflow from the adjacent sediment ponds as the primary source of hydrology. The wetlands have formed over time from fines and clays settling down through the soil profile and detaining water from infiltrating the soil column.

Wetland 4: Wetland 4 serves as a closed contour conveyance ditch that runs along the western property boundary. Raw river water from Settling Basins 1-8 is discharged via an underground vault and pipe system that discharges into a manmade linear ditch that is piped via an outlet to the Delaware River. The source of hydrology in Wetland 4 is the raw river water from Settling Basins 1-8.

Supporting information submitted by, or on behalf of, the applicant/consultant: Appendix 1 – Request for Corps Jurisdictional Determination (JD), dated December 9, 2022; Parcel Map: Record of Survey – Dave Caplan

Rationale: The Request for JD form and parcel map that was submitted were sufficient in determining the of the review area. However, the information was not sufficient in providing supporting data for the aquatic features on the property.



# KTC Regional Wastewater Treatment Facility

FIGURE 1

## Legend

— Approved JD Request Area (49.3 acres)





