

SALEM COUNTY BOARD OF COUNTY COMMISSIONERS MEETING

19 APRIL 2023

Former DuPont Chambers
Works FUSRAP Site
Deepwater, NJ



U.S. ARMY



US Army Corps
of Engineers®

MANHATTAN PROJECT

Background

- Work in support of Nation's early atomic energy program
- 1942 – 1947
- Over 40 locations throughout the country provided support
- Included federal and private sector facilities
- Research and production level activities



Project Background

- 1942 DuPont Chambers Works Site (DCWS), begins support to the Manhattan Engineering District Project (MED)
- '42-47 DCWS was under contract to the USACE MED to process uranium compounds and uranium scrap to produce uranium tetrafluoride, uranium hexafluoride, and uranium metal.
- 1949 US Government Assess Radioactive Contamination at site. Some equipment transported to Niagara Falls, Storage Site (NY). Rest of DuPont site declared clean for unrestricted use. DuPont begins using MED contaminated soil and building material as fill across site.
- 1998 U.S. Army Corps of Engineers begins cleanup at DuPont





FUSRAP

Formerly Utilized Sites Remedial Action Program

Fiscal Year 2022 Program Status

- 12 Sites in remedial action (includes Chambers Works Site)
- 7 Sites being investigated
- 1 Site oversight provided
- 1 Site preparing for transfer to the Department of Energy-Legacy Management



DUPONT CHAMBERS WORKS FUSRAP PROJECT

What is the U.S. Army Corps of Engineers remediating?

- Congress has only authorized remediation of uranium, thorium and radium contaminated soils at Chambers Works thus, no soil that is just chemically contaminated can be remediated for this FUSRAP project.
- Most of the radioactively contaminated soils at Chambers Works also have chemical contamination with disposal required at a special landfill.
- Contaminated groundwater from excavation activities is being treated by the USACE Construction Water Treatment Plant at the site.





REMEDIATION ACTIVITIES

Excavation



Transportation and Disposal





PROJECT STATUS

Remediation

- Three Areas of Concern complete
- One Area of Concern in active remediation

Timeline

- Active excavation complete- 2027
- Contractor closeout - 2028



PUBLIC ACCESS TO PROJECT INFORMATION

Pennsville Public Library

190 South Broadway

Pennsville, NJ 08070

USACE Philadelphia District's project website:

<https://www.nap.usace.army.mil/Missions/FUSRAP/DuPont-Chambers-Works>