

CLEANUP ACTION TO BEGIN AT STATE SUPERFUND SITE

CROSS-COUNTY SANITARY / KESSMAN LANDFILL SITE

The New York State Department of Environmental Conservation (NYSDEC) is providing this community update to share upcoming remedial action at the Cross-County Sanitary / Kessman Landfill site under New York State’s Superfund program. The site is located at 286 Cornwall Hill Rd, Patterson, Putnam County, New York. The cleanup will involve remediation of wetland sediments contaminated with polychlorinated biphenyls (PCBs), and full restoration of the affected area of the wetland as a habitat for the surrounding wildlife population. “Green Remediation” opportunities are being incorporated into this and many similar Superfund program sites across the state; those opportunities targeted for this site are listed below. The cleanup will be performed by The Environmental Services Group (NY), Inc. “remedial contractor” with oversight provided by the New York State Department of Environmental Conservation (NYSDEC).

UPCOMING CLEANUP ACTIVITIES

Remedial construction activities at the Cross-County Sanitary/Kessman Landfill site are expected to begin in March 2023, and last about 10 months. The current estimated cost to implement the remedy is \$3,980,000. The site is listed as a Class "2" site in the State Registry of Inactive Hazardous Waste Disposal Sites (list of State Superfund sites). A Class 2 site represents a significant threat to public health or the environment; action is required.

The goal of the cleanup action for the site is to achieve cleanup levels that protect public health and the environment. The key components of the remedy are:

- Excavation and removal of PCB-contaminated sediment to the applicable cleanup standard for PCBs;
- Dewatering, processing, and stabilization of excavated sediment, and transport and disposal of stabilized sediment at an appropriately licensed disposal facility;

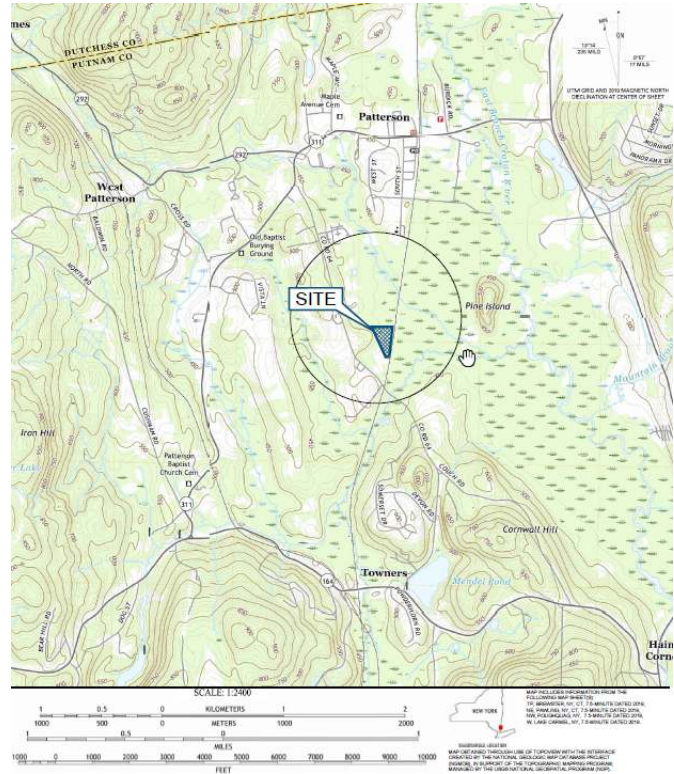


Figure 1: Site Location Map

- Restoration of the affected wetland area and disturbed areas of the existing landfill cap, including supply and placement of imported soils, trees, shrubs, selected plants, and wildflowers; and
- Removal of temporary facilities and controls, and demobilization from the site.

A Community Air Monitoring Program (CAMP) will be implemented during construction activities. The CAMP includes perimeter air monitoring to ensure that dust and PCBs are not migrating from the site at a level that would cause health concerns. The CAMP will also specify dust and odor suppression measures to be implemented, if needed.

SITE DESCRIPTION AND BACKGROUND

The site is located on the east side of Cornwall Hill Road, in the Town of Patterson, approximately 1 mile south of

INFORMATION ON PCBs

Polychlorinated biphenyls (PCBs) are a group of chemicals that were used to make diffusion pump oils, extenders for pesticides, heat exchange and dielectric fluids in transformers and capacitors, hydraulic and lubricating fluids, and as ingredients in caulking compounds, paints, adhesives, flame retardants, and plasticizers. The United States banned production of PCBs because of their potential carcinogenicity in 1977.

PCBs can persist in an environment for decades as they are resistant to degradation. The main exposure pathway for the general population is through high-fat foods, like dairy products and eggs, animal fats, and some fish and wildlife. Bottom feeding fish often ingest PCBs accumulated in sediment, and bioaccumulation can occur as these fish are eaten and the contaminants move up the food chain.

the Village of Patterson, Putnam County, New York. Currently, the site, which occupies two parcels (Tax Map Nos. 13-3-16 and 13-3-17) and a portion of a third parcel (Tax Map No. 13-3-14), is zoned as R4 – Residential. The site is bordered by undeveloped land to the north, a commercial property to the south, residential properties to the west, and the Metropolitan Transportation Authority (MTA) Metro-North Railroad and the Great Swamp, a protected wetland, to the east. The site is approximately 10 acres consisting of approximately 7.2 acres of landfill and 2.8 acres of low-lying wetland area. Please refer to Figure 1: Site Location Map.

The Cross-County Sanitary / Kessman Landfill site is a State Superfund site (NYSDEC Site No. 340011) that has been under investigation and/or remediation since 1974. The overall goal of the remedial work is focused on remediating contaminated soil, surface water, and sediment. Initial site assessments and remedial investigations were completed in the 1980s, leading to the completion of a Feasibility Study (FS) Report in December of 1992. A Record of Decision (ROD) was issued in November 1994. After the ROD, a remedial design was prepared, and the remedial action for the landfill capping was completed in September 1996.

Following landfill capping, site-related contamination was first detected in wetland sediment in 2003. This finding has been the focus of ongoing monitoring and investigations, including delineation activities performed by NYSDEC between 2017 and 2019. Site investigations led to the issuance of a Remedial System Optimization (RSO) Report in 2020, which focuses on

the remediation of PCB impacts in sediment in the wetlands adjacent to the closed landfill.

The primary contaminants of concern that impact the wetland area are polychlorinated biphenyls (PCBs) in surface water and sediment. PCBs have been detected at depths of up to 4 feet below the sediment surface, and the estimated volume of impacted sediment is approximately 3,600 cubic yards.

NEXT STEPS

After cleanup activities are completed, NYSDEC will prepare a Final Engineering Report (FER). The FER will describe the cleanup activities completed and certify that cleanup requirements have been achieved or will be achieved.

The existing Site Management Plan will be updated to outline inspections, maintenance, and monitoring to be used to ensure protectiveness of the remedy.

The existing environmental easements controlling future land use at the site will remain in place to ensure implementation of the Site Management Plan.

NYSDEC will keep the public informed throughout the cleanup of the site.

Green Remediation Initiatives

- **Pollinator Gardens** – plants and flowers have been selected for the wetland restoration that will attract honeybees, monarch butterflies, and other desirable insect species. Portions of the landfill cap will also be restored with local wildflower mixes.
- **Bog Turtle Habitat** – the wetland remediation area will be restored as a habitat for North America's smallest turtle, the Bog Turtle – a turtle species listed as "critically endangered."
- **Blue Bird Boxes** – The existing landfill cap and surrounding habitat provides an excellent opportunity for installation of blue bird boxes, intended to attract this species.
- **Honeybee Farming** – Opportunities to use the site for honeybee farming are available and will continue to be researched and evaluated by NYSDEC.

Stay Informed with DEC Delivers

Sign up to receive site updates by email:

www.dec.ny.gov/chemical/61092.html



LEGEND (SYMBOLS NOT TO SCALE):

- ACCESS ROAD
- FENCE LINE
- PROPERTY BOUNDARY
- SEDIMENT INVESTIGATION / REMEDIATION AREA
- MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
MW-XX
- LEACHATE MANHOLE LOCATION
- LEACHATE COLLECTION PIPE (WITH APPROXIMATE LOCATION OF OUTLETS SHOWN. NOT FIELD VERIFIED.)

NOTES:

1. BASEMAP IMAGERY SOURCED FROM ESRI DATABASE DATED NOVEMBER 5, 2019.
2. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.



WHERE TO FIND ADDITIONAL INFORMATION

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY FACT SHEETS

<https://www.atsdr.cdc.gov/csem/polychlorinated-biphenyls/cover-page.html>

EPA FACT SHEETS ON PCBs

<https://archive.epa.gov/epawaste/hazard/wastemin/web/pdf/pcb-fs.pdf>

DECinfo Locator and database search

Access project documents:

<https://www.dec.ny.gov/data/DecDocs/340011/>

Interactive map to access DEC documents and public data about the environmental quality of other specific sites:

<https://www.dec.ny.gov/pubs/109457.html>

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's Environmental Site Remediation Database (by entering the Site No., 340011) at:

<https://www.dec.ny.gov/cfm/external/index.cfm?pageid=3>

WHO TO CONTACT?

Comments and questions are welcome and should be directed as follows:

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