



FACT SHEET

State Superfund Program

Receive Site Fact Sheets by *Email*. See "For More Information" to Learn How.

Site Name: Wantagh Cleaners
DEC Site #: 130064
Address: 920 Wantagh Avenue
Wantagh, NY 11793

Have questions?
See
"Who to Contact"
Below

Remedy Proposed for State Superfund Site; Public Comment Period and Public Meeting Announced

Public Meeting, Tuesday, 1/31/2017 at 7:00 PM

NYSDEC invites you to a public meeting to discuss the remedy proposed for the site. You are encouraged to provide comments at the meeting, and during the 30-day comment period described in this fact sheet.

The public is invited to comment on a remedy proposed by the New York State Department of Environmental Conservation (NYSDEC) related to the Wantagh Cleaners site ("site") located at 920 Wantagh Avenue, Wantagh, Nassau County. Please see the map for the site location.

Documents related to the cleanup of this site can be found at the location(s) identified below under "Where to Find Information." The estimated cost to implement the remedy is:

<u>OU</u>	<u>RemCost</u>
01	\$2,919,000.00

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at:

<http://www.dec.ny.gov/cfmx/extapps/derexternal/haz/details.cfm?pageid=3&progno=130064>

How to Comment

NYSDEC is accepting written comments about the proposed plan for 30 days, from **January 9, 2017** through **February 9, 2017**. The proposed plan is available for review at the location(s) identified below under "Where to Find Information." Please submit comments to the NYSDEC project manager listed under Project Related Questions in the "Who to Contact" area below.

The site is listed as a Class "2" site in the State Registry of Inactive Hazardous Waste Sites (list of State Superfund sites). A Class 2 site represents a significant threat to public health or the

environment; action is required.

Proposed Remedial Action Plan

The remedy proposed for the site includes:

Remedial Design

A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design.

Prior to the completion of the remedial design, a pre-design investigation will be performed to confirm and finalize the remediation target zones and to evaluate the site characteristics for the remedial design.

Soil Vapor Extraction (SVE)

Soil vapor extraction (SVE) will be implemented to remove volatile organic compounds (VOCs) from the subsurface.

Enhanced Bioremediation

In-situ enhanced biodegradation will be employed to treat contaminants in groundwater in a row perpendicular to the groundwater flow direction downgradient of the source area (along the northern edge of the Southern State Parkway on ramp).

Vapor Mitigation

The convenience store located immediately to the west of the Wantagh Cleaners property will be required to have a sub-slab depressurization system, or a similar engineered system, to mitigate the migration of vapors into the building from soil and/or groundwater.

Institutional Control

Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

- require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls,
- allow the use and development of the controlled property for commercial use,
- restrict the use of groundwater as a source of potable or process water, and
- require compliance with the Department approved Site Management Plan.

Site Management Plan

A Site Management Plan is required, which includes the following:

- a. An Institutional and Engineering Control Plan, as discussed above,

- b. A Monitoring Plan to assess the performance and effectiveness of the remedy.
- c. An Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy.

Summary of the Investigation

Nature and extent of contamination:

Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs) and TAL inorganics. Based on investigations conducted to date, the primary contaminants of concern include tetrachloroethene (PCE), trichloroethene (TCE) and Cis 1,2- dichloroethene (Cis 1,2-DCE).

Groundwater: On-site concentrations, of PCE, cis 1,2-DCE and TCE, are as high as 20,000 ug/l, 2,000 ug/l and 4,600 ug/l, respectively. Groundwater contamination is found principally on the south portion of the site, downgradient of the former leaching pools.

Soils: No soil contamination in excess of Restricted Use Soil Cleanup Objectives was found during the 2011-2014 Remedial Investigation.

Soil Vapor and Indoor Air: Subslab soil vapor concentrations for PCE up to 450,000 ug/m³ and TCE up to 180,000 ug/m³ along with indoor air concentrations for PCE (up to 220 ug/m³) and TCE (up to 64 ug/m³) exceed the New York State Department of Health soil vapor intrusion guidance values of 100 ug/m³ for PCE and 5 ug/m³ for TCE (2011-2014 remedial investigation).

NYSDEC developed the proposed remedy after reviewing the detailed investigation of the site and evaluating the remedial options in the "feasibility study" submitted under New York's State Superfund Program by the responsible party(ies).

Next Steps

NYSDEC will consider public comments as it finalizes the remedy for the site. The selected remedy will be described in a document called a "Record of Decision" that will explain why the remedy was selected and respond to public comments. A detailed design of the selected remedy will then be prepared, and the cleanup will be performed.

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

Background

Location: The Wantagh Cleaners site is 0.25 acres in size and is an active dry cleaner located at the northwest corner of Sandhill Road and Wantagh Avenue near the Southern State Parkway in a mixed commercial/residential area.

Site Features: The site's ground surface is flat. The site's main features are a single story commercial building with a paved parking lot.

Current Zoning and Land Use: The site is zoned for commercial use. Properties to the north and

west are used commercially, to the east lies a residential neighborhood, and to the south lies a series of on- and off-ramps for the Southern State Parkway.

Past Use of the Site: The site has been the location of a dry cleaning facility from 1974 to the present. Three on-site leaching pools were used for disposing wastewater containing tetrachloroethene into subsurface soils and groundwater from 1974 to 1991. In March 1991, the facility was connected to the public sewer system as ordered by the Nassau County Department of Health. In 1992, based upon the results of a 1991 preliminary site assessment, the on-site leaching pools were emptied, cleaned and backfilled, and a floor drain was cleaned and filled. The Department conducted another preliminary site assessment, in 1994, that resulted in the site being listed as a Class 2 site in May 1995. A Focused Remedial Investigation was conducted from 1997 thru 1998, and an Air Sparge/Soil Vapor Extraction System was installed as an Interim Remedial Measure in 1998/1999. Subsequently, a No Further Action Record of Decision was issued in May 1999 based on the results of the Interim Remedial Measure. Based upon this work, the site was removed from the State Registry of Inactive Hazardous Waste Disposal Sites in 2003.

In 2009, based upon the results of a 2007 vapor intrusion evaluation required by the Department's soil vapor intrusion legacy site initiative, the site was again classified as Class 2, and a remedial investigation started to investigate soil vapor intrusion impacts.

Site Geology and Hydrogeology: The site is underlain by the Upper Glacial Aquifer. The unsaturated zone consists of brown and black silty and coarse sand intermixed with pebbles. The saturated zone below the water table consists of brown silty sand mixed with pebbles. The groundwater table is at about 9 feet below ground surface. Regional groundwater flow is south-southeast.

State Superfund Program: New York's State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health and/or the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF, visit: <http://www.dec.ny.gov/chemical/8439.html>

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following location(s) to help the public stay informed.

NYSDEC
Attn: Joseph Jones
625 Broadway
12th floor
Albany, NY 12233
phone: 518-402-9621
(joseph.jones@dec.ny.gov)

Wantagh Public Library
Attn: Librarian
3285 Park Avenue
Wantagh, NY 11793
phone: 516-221-1200

Who to Contact

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

Project Related Questions

Joseph Jones
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7015
518-402-9613
joseph.jones@dec.ny.gov

Site-Related Health Questions

Dawn Hettrick
New York State Department of Health
Empire State Plaza Corning Tower Rm 787
Albany, NY 12237
518-402-7880
BEEI@health.ny.gov

We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.

Receive Site Fact Sheets by Email

Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page: <http://www.dec.ny.gov/chemical/61092.html>. It's quick, it's free, and it will help keep you *better informed*.



As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.

Note: Please disregard if you already have signed up and received this fact sheet electronically.