



# FACT SHEET

## State Superfund Program

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

**Site Name:** New York Twist Drill (Loading Dock Area)  
**DEC Site #:** 152169 Operable Unit 02 \*  
**Address:** 25 Melville Park Road  
Melville, NY 11747

Have questions?  
See  
"Who to Contact"  
Below

### No Further Action Remedy Proposed for State Superfund Site; Public Comment Period and Public Meeting Announced

**Public Meeting, Tuesday, 12/9/2014 at 7:30 PM at Half Hollows Hills Community Library – Dix Hills Building, 55 Vanderbilt Parkway, Dix Hills, NY 11746**

NYSDEC invites you to a public meeting to discuss the no further action 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 no further action remedy proposed by the New York State Department of Environmental Conservation (NYSDEC) related to the New York Twist Drill (Loading Dock Area) site ("site") located at 25 Melville Park Road, Melville, Suffolk 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."

#### How to Comment

NYSDEC is accepting written comments about the proposed plan for 30 days, from **November 26, 2014** through **December 26, 2014**. 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:

Based on the results of the investigations, the actions performed by the Volunteer, and the evaluation presented here, the Department is proposing No Further Action with Groundwater and Vapor Monitoring as the remedy for Operable Unit (OU) 02 pertaining to off-site contamination. This proposed remedy does not change the selected remedy for OU 01 regarding the on-site contamination currently being performed by the Volunteer.

*\*Operable Unit:* An administrative term used to identify a portion of a site that can be addressed by a distinct investigation and/or cleanup approach. An operable unit can receive specific investigation, and a particular remedy may be proposed.

### *Summary of the Investigation*

Off-site Remedial Investigations (RI) have been performed to evaluate the extent of groundwater contamination from the site. Site findings determined that contamination primarily consists of tetrachloroethene (PCE) and associated breakdown products trichloroethene (TCE) and cis-1,2 dichloroethene (DCE). On-site remedial activities conducted since 2003 have significantly reduced site impacts to off-site groundwater and as a result groundwater conditions are improving near the site. Groundwater contamination is lessening further down-gradient of the site based on decreasing levels within the plume and low levels detected at the furthest monitoring well from the site located along Ruland Road. Structure sampling down-gradient of the site did not detect site contamination within indoor air and sub-slab soil vapor concentrations have decreased. For more information on soil vapor intrusion, visit the NYS Department of Health's website at [http://www.health.ny.gov/environmental/investigations/soil\\_gas/svi\\_guidance/docs/svi\\_faqs.pdf](http://www.health.ny.gov/environmental/investigations/soil_gas/svi_guidance/docs/svi_faqs.pdf)

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 Drico Corporation and Robert, Mark and Jeffrey Hammer and Suzanne Eliot.

### **Institutional and Engineering Controls**

Institutional controls and engineering controls generally are designed to reduce or eliminate exposure to contaminants of concern. An *institutional control* is a non-physical restriction on use of the site, such as a deed restriction, when contamination left over after the cleanup action makes the site suitable for some, but not all uses. An *engineering control* is a physical barrier or method to manage contamination such as a cap or vapor barrier.

The following institutional controls have been or will be put in place on OU02:

- Hazardous Waste Site Registry** which identifies the site as an inactive hazardous waste site in New York State. Information regarding the status of the site can be obtained on the Department's website. <http://www.dec.ny.gov/cfmx/extapps/derexternal/haz/details.cfm?pageid=3&progno=152169>
- Site Management Plan** is a document that details institutional and engineering controls required to assure continued effectiveness of the selected remedy.

No engineering controls have been or will be put in place on OU02.

### **Next Steps**

NYSDEC will consider public comments as it finalizes the no further action 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. NYSDEC would then reclassify or delist the site from the Registry of Inactive Hazardous Waste Disposal Sites.

### **Background**

**Location:** The New York Twist Drill Loading Dock Area is located at 25 Melville Park Road in a large commercial/industrial area immediately south of the Long Island Expressway in Melville, New York.

**Site Features:** The main facility feature is a two-story office building. Paved parking lots are located to the east and north of the building and a grass lawn is located to the south.

**Current Zoning/Use(s):** The property is presently zoned for commercial use and currently used for offices.

**Past Use of the Site:** The site was initially developed in 1966 and occupied by the New York Twist Drill Company (NYTD) until 1984. NYTD manufactured carbon steel and other hardened metal twist drills. Operations included heat treatment with salt baths, nitriding, and vapor degreasing with chlorinated solvents. A State Pollutant Discharge Elimination System (SPDES) permit was in place from the mid 1960's to early 1980's, which permitted discharging industrial wastewater from site operations to the environment. Several SPDES violations were issued to NYTD for unacceptable discharges. In 1985, the building was converted into a two-story office complex.

**Operable Units (OU):** The site was divided into two operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination.

OU 01 covers on-site activities for this class 2 site which are undertaken under the Voluntary Cleanup Program (Site number V00128). Remedial actions are being performed on-site to address contamination and prevent the migration of contamination off-site in accordance with the Record of Decision, dated March 2004. Site remedial actions include reductive dechlorination, free-phase product removal and a vapor control system.

OU 02 covers off-site activities, which are being conducted under the State Superfund Program. The NYSDEC is accepting comments on the Proposed Remedial Action Plan for this OU.

**Site Geology and Hydrogeology:** Glacial deposits consisting of stratified sand and gravel are present from the surface to a depth of approximately 50 feet. The Magothy formation underlies the glacial deposits and consists of fine grained sand with interbedded layers of clayey sand, silty sand, and clay. Groundwater is approximately 45 feet below ground surface and flows southeast.

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

<http://www.dec.ny.gov/cfm/extapps/derexternal/haz/details.cfm?pageid=3&progno=152169>

**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.

Half Hollow Hills Community Library  
510 Sweet Hollow Road  
Melville, NY 11747  
phone: 631-421-4535

Project documents are also available on the NYSDEC website at:  
<http://www.dec.ny.gov/chemical/8431.html>

## Who to Contact

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

### Project Related Questions

Brian Jankauskas  
Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway  
Albany, NY 12233-7015  
518-402-9626  
brian.jankauskas@dec.ny.gov

### Site-Related Health Questions

Dawn Hettrick  
New York State Department of Health  
Empire State Plaza Corning Tower Room 1787  
Albany, NY 12237  
518-402-7860  
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.

