



FACT SHEET

State Superfund Program

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

Site Name: American Drive-In Cleaners
DEC Site #: 130186
Address: 418 S. Oyster Bay Road
Hicksville, NY 11771

Have questions?
See
"Who to Contact"
Below

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

Public Meeting, Wednesday, 12/17/2014 at 7:00 PM

Bethpage Ice Rink Community Room, 1001 Stewart Ave, Bethpage, NY 11714

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 American Drive-In Cleaners site ("site") located at 418 S. Oyster Bay Road, Hicksville, 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."

How to Comment

NYSDEC is accepting written comments about the proposed plan for 30 days, from **December 11, 2014** through **January 10, 2015**. 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:

A Soil Vapor Extraction system, cover system, soil vapor intrusion mitigation, and a Site Management Plan. The Site Management Plan includes soil vapor intrusion monitoring and groundwater monitoring.

The soil vapor extraction system extracts Volatile Organic Compounds (VOCs) from the

source area through wells installed in the vadose zone (the area below ground, but above the water table). The extracted air is treated as necessary prior to being discharged to the atmosphere.

A program of building slab maintenance will act as soil vapor intrusion mitigation for sub-slab soil vapor intrusion in the building. An initial inspection with sealing of cracks or utility penetrations will be conducted. Thereafter, an annual inspection will be completed to confirm continued integrity of the slab and identify additional maintenance needs. Soil Vapor Intrusion (SVI) monitoring will be carried out annually during the heating season. Sub-slab soil vapor implants will be installed throughout the building. Samples will be collected from the implants as well as co-located indoor air samples.

A program of groundwater monitoring will be carried out to address groundwater contamination on the property. It is anticipated that within a reasonable time period contamination will decrease. Semi-annual reports on the monitoring will be provided and active remediation will be proposed if it appears that the natural processes alone will not address the contamination.

Summary of the Investigation

Soil, groundwater, and soil vapor were collected at the American Drive-In Cleaners as part of the Remedial Investigation. Based upon this investigation and previous investigations, the primary contaminants of concern (COCs) are tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (DCE). This contamination is attributable to leaking dry cleaning fluid.

Soil samples were collected from on and off the site. Only two samples collected exceeded NYSDEC unrestricted Soil Cleanup Objectives for COCs and were located in the area that had previously been excavated.

Groundwater collected from on and off-site generally exhibited results greater than the standard for PCE, TCE, and DCE. The greatest PCE concentration exhibited downgradient of the source area during the RI was 130 ppb. The greatest TCE concentration exhibited was 23 ppb and the greatest DCE concentration was 85 ppb both exhibited to the south west of the source area.

Sub-slab vapor and indoor air samples were collected in the tenant units downgradient (south) of the source area to evaluate soil vapor intrusion. Tenant units immediately south of the source area exhibited sub-slab soil vapor exceeding 1,000 ug/m³ of PCE which indicates that these units warrant mitigation. Tenant units to the southeast of the source area exhibited results between 400 and 2900 ug/m³ of PCE in sub-slab vapor. A determination of the need for tenant unit mitigation for results below 1000 ug/m³ is dependent upon results from the indoor air sampling which is planned for winter 2014/2015.

Soil Vapor samples were collected at the western and southern edge of the property to evaluate the potential for soil vapor intrusion. The results that returned were generally low for PCE and TCE.

Remediation of the site is necessary to prevent any further movement of contamination into the aquifer from the source area and off-gassing of soil vapor into the overlying building.

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 Josam Associates LLC.

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 American Drive-In Cleaners site is located at 418 S. Oyster Bay Rd, Hicksville, Nassau County. It is the northernmost unit in the retail shopping plaza located at this address. It is located in a commercial and residential area. The property is bounded by Woodbury Road to the north and S. Oyster Bay Road to the east. Two commercial lots are located to the northeast and the property is bounded by residential lots to the south and west. Hicksville Elementary School is located approximately 1,600 feet to the northwest.

Site Features: This site is the northernmost tenant unit within a large L-shaped one-story retail shopping complex. It occupies 4,028 square feet of the total 30,437 sq ft of the structure. There is a basement underlying the two eastern-most tenant units.

Current Zoning/Use(s): The site is an active dry-cleaner that uses tetrachloroethene (PCE). The entire property is zoned commercial and comprises 30,437 sq ft of retail space on a 5.82 acre parcel, the remaining area of which is paved. Public Supply Well 11-1 is located approximately 4,400 feet to the south of the site.

Past Use(s) of the Site: The building was built in 1956 and the dry-cleaner has operated in that location since that time. In September 1995, two floor drains were investigated as EPA class V (shallow) Underground Injection Control Program (UIC) dry wells and closed. The floor drains were excavated to a depth of 5.5 ft and filled with sand and sealed with concrete.

In November 2006, the Hicksville Water District Well 11-1 (N-10555) detected PCE at 8.2 ppb exceeding the drinking water standards and the well was removed from service. A records search of known PCE-contaminated sites within the vicinity determined that the American Drive-In Cleaners Site was a possible source. In October 2008, a granular activated carbon (GAC) treatment system was installed on Well 11-1 and it was returned to service.

In 2009, a Site Characterization undertaken by the Department determined that groundwater on-site was contaminated with PCE, but no definitive determination could be made as to whether this was the source of the Hicksville Well 11-1 contamination.

The Remedial Investigation has determined that the American Drive-In Cleaners site is not the source of contamination for the Well 11-1.

Site Geology and Hydrogeology: The depth to water is approximately 90 feet below ground surface with flow to the south. This is the Upper Glacial Aquifer and the underlying soil is sand with some gravel.

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=130186>

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.

Hicksville Public Library
169 Jeruselum Avenue
Hicksville, NY 11801
phone: (516) 931-1417

Who to Contact

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

Project Related Questions

Melissa Sweet
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7015
518-402-9620
melissa.sweet@dec.ny.gov

Site-Related Health Questions

Wendy Kuehner
New York State Department of Health
BEEI, 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.



FPM GROUP

FIGURE 1

SITE AREA MAP
AMERICAN DRIVE-IN CLEANERS SITE
418 SOUTH OYSTER BAY ROAD,
HICKSVILLE, NEW YORK

Drawn by: TAC	Checked By: SOD	Date: 12/12/08
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