



# FACT SHEET

## State Superfund Program

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**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

### Investigation Completed at State Superfund Site; Results Will Help to Evaluate Ways to Address Contamination

An investigation has been completed for 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." The investigation was conducted by Josam Associates LLC with oversight provided by New York State Department of Environmental Conservation (NYSDEC).

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.

NYSDEC has approved a report, called a "Remedial Investigation Report," that describes the results of the site investigation and recommends development of a remedy to address the contamination that was found.

#### Highlights of the Remedial Investigation Report

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/m<sup>3</sup> 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/m<sup>3</sup> of PCE in the sub-slab vapor. A determination of the need for tenant unit mitigation for results below 1000 ug/m<sup>3</sup> 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. A remedy will be developed to address this contamination.

A Feasibility Study was conducted based on information obtained during the investigation to achieve the following:

- 1) define the objectives of the site cleanup program;
- 2) develop cleanup alternatives; and
- 3) screen and analyze the alternatives.

### **Next Steps**

NYSDEC will develop a draft cleanup plan, called a "Proposed Remedial Action Plan." This plan describes the remedy preferred by NYSDEC to address contamination related to the site. The draft cleanup plan will explain the decision that led to the preferred remedy by discussing each alternative and the reasons for choosing or rejecting it. The goal of the plan will be to ensure the protection of public health and the environment. NYSDEC will announce the draft cleanup plan in a future fact sheet and present it to the public for its review and comment during a 30-day comment period and at a public meeting.

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, NY in 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.

**Site Features:** This site is the northern-most tenant unit within a large L-shaped one-story retail shopping complex. It is approximately 4028 square feet of the total 253,519 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. The entire property is zoned commercial and is 30,437 sq ft on a 5.82 acres parcel, the remaining area of which is paved. 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 1600 feet to the

northwest and Well 11-1 (Granular Activated Carbon (GAC)-treated public water supply well) is located approximately 4400 feet to the south.

Historical Use(s): 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 endpoint samples taken exhibited tetrachloroethylene (PCE) (3,600 ppm) and total petroleum hydrocarbon (TPH) (540 ppm) in both floor drains above the Soil Cleanup Objectives (SCOs). The floor drains were then filled with sand and sealed with concrete. In December 1995, soil boring samples were collected at two depths in one well (10-12' and 12-14'). The 10-12' interval exhibited PCE (9 ppm) above the SCO (1.3 ppm). The 12-14' interval had no detections above SCOs.

In November 2006, the Hicksville Water District Well 11-1 (N-10555) exhibited a drinking water exceedance for PCE (8.2 ppb). 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 as a possible source. In October 2008, a GAC treatment system was installed on Well 11-1.

In 2009, a Site Characterization investigation by the NYSDEC determined that groundwater on-site was contaminated with PCE (160 ppb), trichloroethene (TCE) (17 ppb), and cis-1,2-dichloroethene (DCE) (82 ppb), sub-surface soil exhibited PCE below the SCO, and sub-slab vapor beneath the dry cleaner exhibited PCE at 1,800,000 ug/m3. No definitive determination could be made on the source of the Hicksville Well 11-1 contamination based on the investigation.

Site Geology and Hydrogeology: The depth to water is approximately 90 feet below ground surface with flow to the south which is part of the upper glacial aquifer. 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/cfm/external/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 Jerusalem 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.**

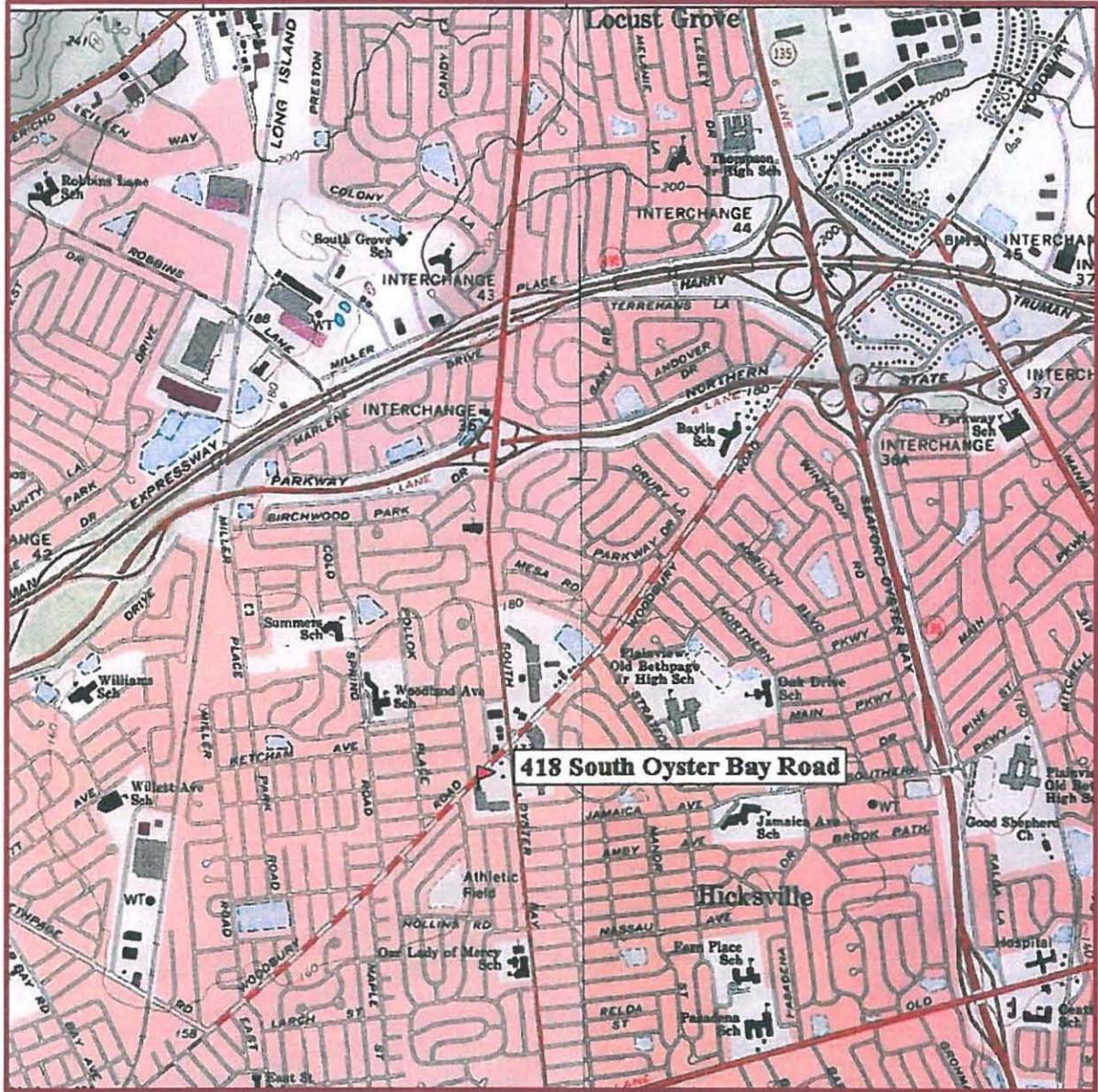
#### **Receive Site Fact Sheets by Email**

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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