



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

Cleanup Action to Begin at State Superfund Site

Action is about to begin that will address the contamination related to the American Drive-In Cleaners site ("site") located at 418 S. Oyster Bay Road, Hicksville, Nassau County under New York's State Superfund Program. Please see the map for the site location.

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.

Documents related to the cleanup of this site can be found at the location(s) identified below under "Where to Find Information." The cleanup activities will be performed by the NYS Department of Environmental Conservation.

Highlights of the Upcoming Cleanup Activities

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

- A Soil Vapor Extraction system;
Maintaining a cover system;
Soil vapor intrusion mitigation; and
Site Management.

Site Management includes soil vapor intrusion monitoring and groundwater monitoring including installation of sentinel wells for Hicksville Water district (HWD) supply well 11-1.

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 (e.g., sealing of cracks or utility penetrations) will also 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.

A program of groundwater monitoring will be carried out to address groundwater contamination. 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.

The cleanup activity which will be visible to the community is the installation and sampling of several sentinel wells to be installed between this site and HWD supply well 11-1. The drilling is expected to occur during winter of 2017-18. All drinking water provided by the HWD meets drinking water standards.

#### *Additional Details*

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 was attributable to the improper disposal of 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. These 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 parts per billion (ppb). The greatest TCE concentration exhibited was 23 ppb and the greatest DCE concentration was 85 ppb both exhibited to the southwest of the source area. More recent groundwater sampling results show that chlorinated volatile organic compound concentrations have decreased with the maximum PCE concentration of 42 ppb, TCE of 22 ppb, and DCE (all congeners) of 78 ppb.

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. The SVE system will provide mitigation to these units. Tenant units to the southeast of the source area exhibited results between 970 and 110 ug/m<sup>3</sup> of PCE in sub-slab vapor and indoor air of 13 to 6 ug/m<sup>3</sup>. A vapor barrier is in place throughout the building to lessen the potential for soil vapor intrusion.

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.

#### **Next Steps**

After completion of the cleanup activities, the NYS Department of Environmental Conservation will prepare a Final Engineering Report. The Final Engineering Report will describe the cleanup activities completed and certify that cleanup requirements have been achieved or will be achieved.

The New York State Department of Environmental Conservation (NYSDEC) will keep the public informed throughout the 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. The property is bounded by Woodbury Road to the north and S. Oyster Bay Road to the east.

**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. It is located in a commercial and residential area. 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. 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.

The Remedial Investigation has determined that the American Drive-In Cleaners site is not the source of contamination for the Well 11-1. However, as a precautionary measure, sentinel wells (monitoring wells) will be installed south of the site, upgradient of the supply well.

**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/cfm/external/derexternal/haz/details.cfm?pageid=3&progno=130186>

<p><b>State Superfund Program:</b> 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.</p>
---

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](mailto: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](mailto:BEEI@health.ny.gov)

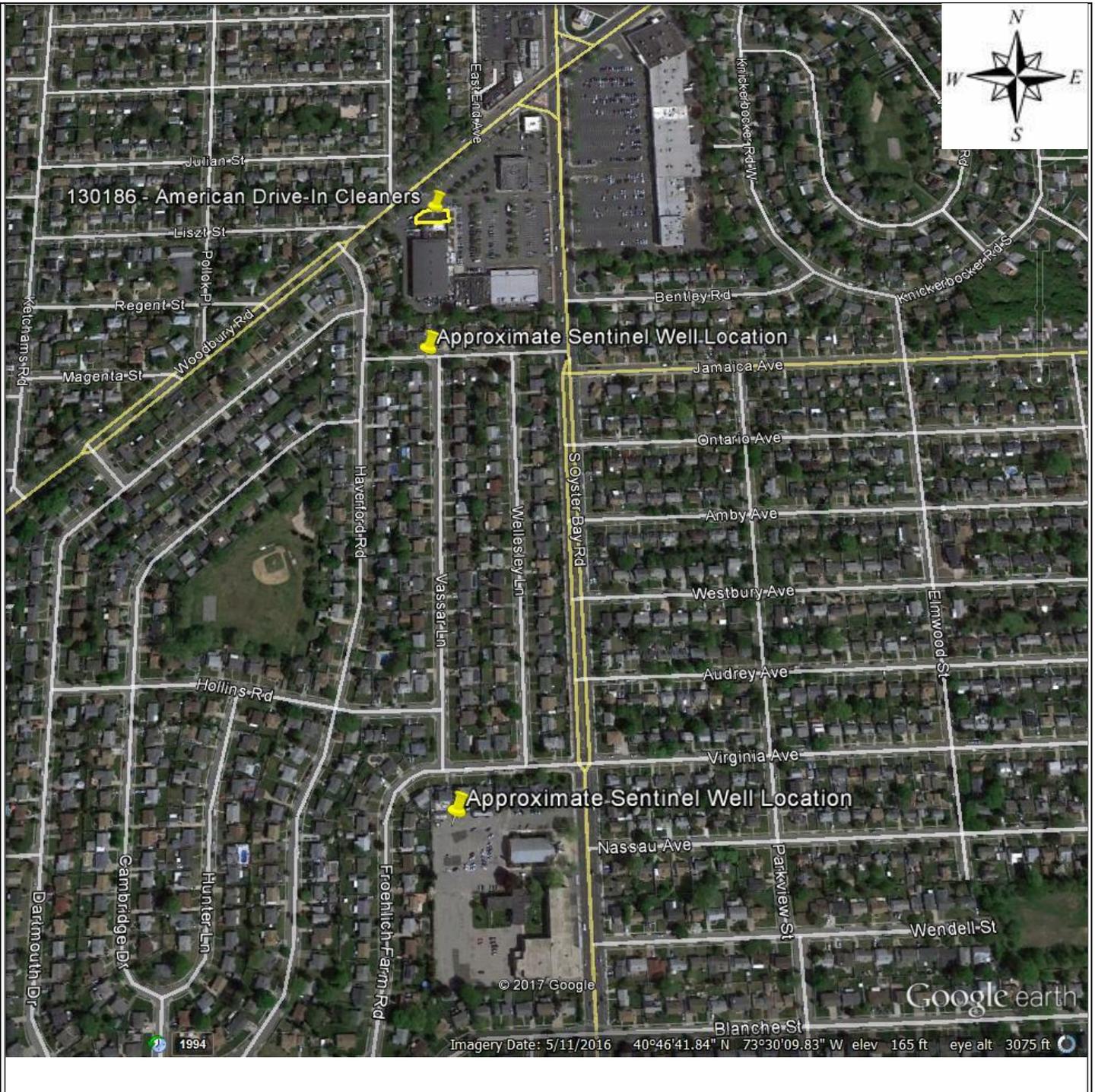
**We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.**

### 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*.



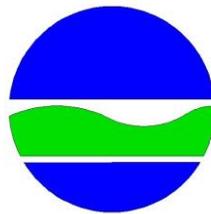
As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.



Source: Google Earth, 2016.

**Figure 1  
Site Location Map**

**American Drive-In Cleaners  
418 S. Oyster Bay Road  
Hicksville, Nassau County, New York**



Created by: MLS  
Date: 09/26/17

