



FACT SHEET

State Superfund Cleanup Program

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

Crystal Cleaners Site
Site No. 360053
Village of Pelham, NY

June 2011

Remedial Investigation to Begin at State Superfund Site

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), is providing this fact sheet as part of the state’s citizen participation program for inactive hazardous waste disposal sites.

Site Description and Project Background

The Crystal Cleaners site (herein identified as the “site”) is located at 113 Wolfs Lane in the Village of Pelham, Westchester County, New York (Figure 1). The site is located in a building adjacent to several businesses including a restaurant, a bike shop, law offices and Crystal Cleaners, an active dry cleaner. The site is also adjacent to the eastern boundary of property owned by the Village of Pelham, Department of Public Works. The site and surrounding properties are supplied with public water from a municipal water source.

The site was discovered during an environmental investigation that was completed at a nearby site. Groundwater data obtained as part of this investigation indicated high concentrations of chlorinated dry cleaning solvents, predominantly tetrachloroethene (PCE). Based on the direction of groundwater flow and the upgradient location of the site, Crystal Cleaners was identified as a possible source of this contamination. As a result, Crystal Cleaners was added to the NY Registry of Inactive Hazardous Waste Disposal Sites in 2000. A state funded Site Characterization (SC) was completed in 2008. The purpose of the SC was to determine whether contamination existed at the site and to identify the nature of any such contamination. The SC consisted of installing groundwater monitoring wells and collecting soil vapor, soil and groundwater samples. The results of the SC indicated that chlorinated solvent contamination was present in groundwater located behind the site and was emanating to the west/south-west. Contamination was also detected in the soil vapor samples. As a result, further investigative activities were undertaken to determine whether or not vapor intrusion was an issue of concern at four locations in the vicinity of the site. The results of the additional sampling indicated that mitigation was necessary at two of these locations. Interim remedial measures (IRMs) were

undertaken to address these concerns in 2010. A sub-slab depressurization system was installed at each location. These systems are designed to vent contaminated vapors from beneath the building and prevent contamination from migrating into indoor air.

The NYSDEC is currently preparing to complete a more comprehensive site investigation called a Remedial Investigation (RI). The purpose of this investigation is to more fully determine the nature and extent of the existing contamination. The RI is scheduled to begin in the summer of 2011.

Highlights of the Remedial Investigation

The site investigation has several goals:

- 1) define the nature and extent of contamination in soil, soil vapor, groundwater and any other parts of the environment that may be affected
- 2) identify the source(s) of the contamination
- 3) assess the impact of the contamination on public health and the environment
- 4) provide information to support the development of a proposed remedy to address the contamination.

Site Activities

The NYSDEC has tasked contractors with implementing an investigation that will consist of the following site activities:

- The installation of groundwater wells on-site and off-site to determine the extent of contaminant migration in groundwater
- The advancement of soil borings in the suspected source area to attempt to identify the area where contaminants were released
- The collection of soil samples and two rounds of groundwater samples to identify contaminated media and determine its depth and width
- The collection of sub-slab and indoor air samples in adjacent residences to determine whether there are any impacts to indoor air quality

Next Steps

It is estimated that the RI will take about nine months to complete. When the RI is completed, a report that summarizes the results will be prepared. The report will recommend whether cleanup of site contamination is required. NYSDEC will review the report, make any necessary revisions and, if appropriate, approve the investigation report.

Following the completion of the RI, a Feasibility Study (FS) will be developed. The FS will include an evaluation of potential site remedies based upon a list of criteria. Based upon the results of the FS, a Proposed Remedial Action Plan (PRAP) will be developed to select the optimal remedy for cleaning up the site. The purpose of the PRAP is to ensure the protection of public health and the environment. NYSDEC will present the draft cleanup plan to the public for its review and comment.

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

FOR MORE INFORMATION

Where to Find Information

Project documents are available for review at the following location(s) to help the public stay informed. These documents include the SC and IRM Reports and the RI work plan.

Village of Pelham, Town Hall

195 Sparks Avenue
Pelham, NY 10803
Attn: Village Clerk
Ph: 914-738-2015
Mon. – Fri. 8:00 AM – 4:00 PM

NYSDEC – Region 3 Office

21 S. Putt Corners Road
New Paltz, NY 12561
Attn: Michael Knipfing
Phone: (845) 256-3154
Mon. – Fri. 9:00 AM – 4:00 PM

Who to Contact

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

Project Related Questions

John Miller
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7014
(518) 402-9564
jymiller@gw.dec.state.ny.us

Site-Related Health Questions

Anthony Perretta
NYS Department of Health
Bureau of Environmental Exposure Investigation
547 River Street
Troy, NY 12180-2216
(518) 402-7880
acp06@health.state.ny.us

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: 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.

You may continue also to receive paper copies of site information for a time after you sign up with a county listserv, until the transition to electronic distribution is complete.

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

Figure 1

