



FACT SHEET

State Superfund Program

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Carriage Cleaners
Site Number 828120
Town of Brighton, Monroe County, New York

December 2011

Cleanup Action Completed at State Superfund Site;

Cleanup action has been completed to address contamination related to the Carriage Cleaners site ("site") located at 2101 Monroe Avenue in the Town of Brighton, Monroe County, under the New York State (NYS) Superfund Program. See map below for site location. The cleanup activities were performed by OP-TECH Environmental Services (OP-TECH) of Syracuse, New York with oversight provided by the New York State Department of Environmental Conservation (NYSDEC).



State Superfund Program: The New York State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health and the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC generally attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF visit: www.dec.ny.gov/chemical/8439.html

NYSDEC is currently developing a Final Engineering Report. The report will state that cleanup requirements have been achieved to fully protect public health and the environment. The report is expected to be made available in February 2012 at the locations identified below under “Where to Find Information.”

Highlights of the Final Engineering Report

The report has several goals:

- To describe the cleanup activities completed.
- To certify that cleanup requirements have been achieved or will be achieved for the site.
- To describe any institutional/engineering controls to be used. An *institutional control* is a non-

physical restriction on use of the site, such as a deed restriction, when the cleanup action leaves residual contamination that 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.

- To certify that a site management plan for any engineering controls used at the site has been approved by NYSDEC.

The State Superfund cleanup work began in May 2011. Construction work was completed in October 2011. The following major activities were completed at the site:

1. Contaminated soil was excavated to bedrock (approximately sixteen feet below ground surface). Excavated material was disposed of properly at an off-site facility. Excavations were backfilled with clean soil.
2. A soil vapor extraction (SVE) treatment system was installed. Contaminated air from the extraction wells is going through the treatment system to remove contaminants before being discharged to the atmosphere.
3. A groundwater treatment system (GWT) system was installed. The GWT consists of one extraction well to collect groundwater on site to prevent continued off-site migration of contaminants from the site. Contaminated water from the extraction well is going through the treatment system to remove contaminants before being discharged to the storm sewer.
4. Combined treatment system start-up operations were initiated in October 2011. The treatment system is currently being operated, monitored and maintained by OP-TECH, under contract with NYSDEC.

Next Steps

NYSDEC is currently preparing a Final Engineering Report. The Final Engineering Report will describe completed cleanup activities and certify that cleanup requirements have been achieved or will be achieved.

Because the cleanup actions left traces of contamination on site, a long-term monitoring program of groundwater and soil vapor will be instituted as part of the site management plan (SMP) to ensure that public health and the environment remain protected.

Long-term site management by NYSDEC will follow and primarily involve:

- 1) Sampling of a select number of groundwater wells to monitor the migration of contaminated groundwater; and
- 2) Imposing environmental easements to prevent potential exposure to residual on-site soil contamination and groundwater contamination.

OP-TECH will operate the treatment systems through late December 2011. After that time, the NYSDEC will take over future operation, monitoring, and maintenance responsibilities of both the SVE and GWE treatment systems. Groundwater and soil samples will be collected periodically to determine contaminant level trends, which are anticipated to decrease over time. The treatment systems will be operated until soil contaminant concentrations have reached unchanged levels for a sustained period of time, and until such time that continued operation would not result in further significant contaminant removal.

NYSDEC will keep the public informed during the monitoring of the site by fact sheets issued electronically through the Monroe County listserv (see blue highlighted box below).

Background

The 0.35 acre Carriage Cleaners site is located at 2101 Monroe Avenue in the Town of Brighton, and is bounded by Monroe Avenue to the north, Brooklawn Drive to the west, and by residential properties to the south and east. Currently, the site operates as a dry cleaner, and has operated as a dry cleaning establishment for more than 25 years. The use and handling of tetrachloroethylene (PCE), a common dry-cleaning solvent, over this period of more than 25 years, has contributed to the on-site and off-site contamination.

NYSDEC conducted a Remedial Investigation/Feasibility Study. The NYSDEC completed the State-funded investigation and study in 2007 and a final selection of the cleanup action was made and documented in a March 2008 Record of Decision.

The primary contaminant of concern at this site is PCE, a volatile organic compound that was used at the site for dry cleaning operations. Chemicals that readily evaporate are called "volatile chemicals." PCE has contaminated the soil, groundwater, and soil gas.

In 2004 and 2006, the potential for soil vapor intrusion into off-site structures was evaluated. Soil vapor can enter buildings through cracks in slabs or basement floors and walls, and through openings around sump pumps or where pipes and electrical wires go through the foundation. Heating, ventilation or air-conditioning systems can also draw soil vapor into the building. This intrusion is similar to how radon gas may seep into buildings. Soil vapor mitigation systems were installed to protect five (5) off-site structures.

Remedial design investigations were performed by the NYSDEC from 2008 through 2010. The remedial design was completed in October 2010. OP-TECH was given formal notice to proceed with the cleanup in May 2011.

For More Information

Project documents are available at the following locations to help the public to stay informed.

Brighton Memorial Library
2300 Elmwood Avenue
Brighton, NY 14618
Phone: (585) 784-5300
Web: <http://www.brightonlibrary.org/>

NYSDEC Region 8 Office
6274 East Avon-Lima Road
Avon, NY 14414-9516
Contact: Mrs. Linda Vera
Phone: (585) 226-5324
(Appointment Requested)

Whom to Contact

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

Project Related Questions

David J. Chiusano, Project Manager
NYSDEC – Div. of Env. Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7017
Phone: (518) 402-9814
E-Mail: djchiusa@gw.dec.state.ny.us

Site-Related Health Questions

Debbie McNaughton
NYSDOH
335 East Main Street
Rochester, New York 14604-2127
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Citizen Participation Specialist

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New York State Department of
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You can also view project documents online at the Region 8 Environmental Remediation Project Information page <http://www.dec.ny.gov/chemical/37556.html>. Look for the “Carriage Cleaners Site” entry under the Monroe County heading.

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.

CARRIAGE CLEANERS SITE CLEANUP PLAN

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