



FACT SHEET Voluntary Cleanup Program

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

Site Name: Steel Treathers, Inc.
DEC Site #: V00578
Address: 520 Campbell Avenue
Troy, NY 12180

Have questions? See "Who to Contact" Below

Investigation Complete & Remedy Proposed for Voluntary Cleanup Site Contamination; Public Comment Period Announced

Based on the results of the Remedial Investigation summarized below, the New York State Department of Environmental Conservation (NYSDEC) has released a proposed cleanup plan for the Steel Treathers, Inc. site ("site") located at 520 Campbell Avenue, Troy, Rensselaer 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."

In order to address the primary soil source(s) to groundwater contamination, the Voluntary Cleanup Program (VCP) volunteer, ESCO Corporation, completed soil removals, chemical injections, and soil vapor extraction as Interim Remedial Measures (IRMs). An IRM is a cleanup action that may be conducted without extensive investigation in order to address an obvious environmental problem and reduce risk to public health and the environment.

The proposed remedy will address remaining contamination below the water table and mitigate, to the extent practicable, offsite migration of impacted groundwater.

How to Comment

NYSDEC is accepting written comments about the proposed plan for 30 days, from July 21, 2017 through August 20, 2017. The proposed plan is available for public 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.

Draft Remedial Action Work Plan

The draft cleanup plan is described in the draft "Remedial Action Work Plan". The proposed remedy consists of:

- 1. Installation of site cover to allow for commercial or industrial use of the site in areas where the upper one foot of exposed surface soil will exceed the commercial use soil cleanup objectives (SCOs). The site cover may consist of paved surface parking areas, sidewalks, or a soil cover.
2. Installation of a Permeable Reactive Barrier (PRB) treatment wall to reduce concentrations in groundwater and mitigate, to the extent practicable, offsite migration of impacted groundwater. The PRB consists of treatment media, typically installed via trenching or injection that treats contaminated groundwater as it flows through the media.
3. Installation of sealed sheet pile shoring to direct groundwater towards the proposed PRB.

4. Importation of clean material meeting the commercial use SCOs for use as backfill;
5. Adoption of administrative controls including a site management plan and environmental easement to ensure proper use of the site; and
6. Evaluation of off-site soil vapor intrusion to determine whether an action is required (e.g., install Sub Slab Depressurization System).

The proposed remedy was developed by the volunteer after performing a detailed investigation of the site under New York's VCP.

Summary of the Investigation

The primary contaminants of concern at the site include metals and volatile organic compounds (VOCs). Previous environmental investigations in the area revealed concentrations of metals and VOCs exceeding standards, criteria, and guidance values in the soil and/or groundwater.

Based on investigations to date, surface and sub-surface soils are contaminated with several metals and VOCs (1,1,1-trichloroethane [TCA], tetrachloroethane [PCE], trichloroethene [TCE], and cis-1,2-dichloroethene [DCE]). Most metals contamination in soils is likely related to the presence of historic fill.

Groundwater sampling indicates VOCs (TCA, PCE and associated breakdown products) exceed Class GA groundwater standards. PCE and breakdown products above groundwater standards are migrating off-site.

Elevated levels of VOCs were detected in soil vapor. The maximum concentrations of PCE and TCE in soil vapor were detected in vicinity of the former excavation area (pit area) of the site. Additional sampling is needed to determine whether actions are needed to address soil vapor intrusion off-site.

Next Steps

NYSDEC will consider public comments, revise the plan as necessary, and issue a decision document. New York State Department of Health (NYSDOH) must concur with the proposed remedy. After approval, the proposed remedy becomes the selected remedy. The draft Remedial Action Work Plan will be revised as needed, the decision document will be issued, which will describe the selected remedy, and it will be made available to the public. The volunteer(s) may then design and perform the cleanup action to address the site contamination, with oversight by NYSDEC and NYSDOH.

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

Background

Location: The site is approximately 1.13 acres located in a suburban area of the City of Troy. The site is bounded by Campbell Ave. to the north, a strip mall to the west, a wooded, steeply sloping lot to the east and a residential property to the south.

Site Features: The subject site formerly consisted of an 8,400 square foot building and associated paved parking. The building, which was heavily damaged in a fire, was located approximately 20 feet from the eastern property boundary. A former pad-mount transformer was located on the eastern portion of the parcel. The building has been demolished, but the concrete slab remains. The area is served by municipal water.

Current Zoning/Use(s): The immediate neighborhood is comprised of a mixture of uses including commercial, industrial, and residential. The site has been vacant since a 2005 fire.

Past Use of the Site: Steel Treaters was a steel heat treating facility that began operations in 1966 as a manufacturer of a variety of specialty steel products. For a limited time, the company used chlorinated solvents in a small part of its manufacturing process.

Site Geology and Hydrogeology: Overburden at the site consists of several feet of granular fill material overlying silty and clayey lacustrine deposits. Shale bedrock at the site occurs at depths ranging from 4.5 to 25.8 feet below ground surface. The water table is in the overburden and ranges from just below ground surface to 6 feet below grade. The groundwater flows north, towards Campbell Ave. and Wynants Kill (creek).

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at:

<http://www.dec.ny.gov/cfm/external/haz/details.cfm?pageid=3&progno=V00578>

Voluntary Cleanup Program: New York's Voluntary Cleanup Program (VCP) was developed to encourage private sector volunteers to investigate and clean up contaminated properties and return these sites to productive use. Once cleaned up, the properties may be redeveloped for commercial, industrial, residential or public use.

For more information about the VCP, visit: <http://www.dec.ny.gov/chemical/8442.html>

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following location(s) to help the public stay informed.

Troy Public Library
100 Second Street
Troy, NY 12180
phone: 518-274-7071

NYSDEC
Attn: Javier Perez-Maldonado
625 Broadway
Albany, NY 12233
phone: 518-402-9768
(javier.perez-maldonado@dec.ny.gov)

Who to Contact

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

Project Related Questions

Javier Perez-Maldonado
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016
518-402-8172
javier.perez-maldonado@dec.ny.gov

Site-Related Health Questions

Arunesh Ghosh
New York State Department of Health
Bureau of Environmental Exposure Investigation
Empire State Plaza, Corning Tower, Room 1787
Albany, NY 12237
518-486-9768
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.

Site Location Map

