



FACT SHEET

Environmental Restoration Program

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

Site Name: Orchard-Whitney Site
DEC Site #: E828123
Address: 415 Orchard Street & 354 Whitney Street
Rochester, NY 14606

Have questions?
See
"Who to Contact"
Below

No Further Action Remedy Proposed for Municipal Brownfield Site; Public Comment Period and Public Meeting Announced

Public Meeting, Wednesday, 3/9/2016 at 6:30 PM

North West Senior Center, 71 Parkway, Rochester, NY 14608

NYSDEC invites you to a public meeting to discuss the no further action remedy proposed for the site. You are encouraged to provide comments at the meeting, and during the 45-day comment period described in this fact sheet.

The public is invited to comment on a no further action remedy proposed by the New York State Department of Environmental Conservation (NYSDEC) related to the Orchard-Whitney Site ("site") located at 415 Orchard Street & 354 Whitney Street, Rochester, Monroe 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."

How to Comment

NYSDEC is accepting written comments about the proposed remedial action plan for 45 days, from **February 9, 2016** through **March 25, 2016**. The proposed plan is available for 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.

Proposed Remedial Action Plan

The remedy proposed for the site includes:

Interim remedial measures (IRMs) were conducted at the site over a period of several years. These IRMs are further described below. The proposed remedy will include several institutional and engineering controls to ensure the IRMs conducted remain protective of public health and the environment.

Additional Project Details

All structures were demolished on-site. During demolition of the on-site structures, asbestos, electrical transformers, hazardous building materials, and drums of chemical wastes were

removed and disposed of off-site. Even though several transformers were removed, no PCBs were found.

In addition to building demolition, several IRMs were completed. The IRMs included excavation and disposal of chromium and cadmium contaminated soils in the former plating area; excavation and disposal of nine underground storage tanks (USTs); and excavation and disposal of petroleum and lead contaminated soils. The petroleum and lead contaminated soils were associated with the former USTs. These tanks were used to store gasoline and other petroleum products. Lead was formerly used as a common additive to gasoline to boost the octane of the fuel. Chromium and cadmium are heavy metals associated with the former chrome plating operations that took place at the site. Upon completion of the IRMs approximately 1,600 tons of contaminated soils, 15,000 gallons of contaminated groundwater, and 15,000 gallons of waste gasoline and other petroleum products were disposed of off-site.

Summary of the Investigation

Groundwater contamination from the former USTs and chrome plating area is generally localized and contamination has been significantly reduced by previous IRMs conducted at the site. Low-levels of chlorinated solvent were detected throughout the site at total concentrations either slightly above or slightly below NYSDEC groundwater standards. Chlorinated solvents were typically used to clean metal parts at industrial facilities. There does not appear to be significant groundwater contamination migrating off-site. The City of Rochester is served by public water and use of groundwater as a potable water source within the City limits is prohibited by City code.

Due to the presence of coal and coal ash found throughout the site, the concentrations of polycyclic aromatic hydrocarbons (PAHs) are elevated both on-site and off-site soils. Soil contamination with volatile organic compounds (VOCs) and heavy metals is limited to the former source areas. VOCs are chemicals (such as gasoline) that evaporate easily at normal temperatures. PAHs are chemicals typically found in coal ash from incomplete combustion. PAHs are found in coal tar driveway sealers. All remaining soil contamination is below the site cover.

NYSDEC developed the proposed remedy after reviewing the detailed investigation of the site and evaluating the remedial options in the “analysis of alternatives” submitted under New York’s Environmental Restoration Program by the municipality.

Institutional and Engineering Controls

Institutional controls and engineering controls generally are designed to reduce or eliminate exposure to contaminants of concern. An *institutional control* is a non-physical restriction on use of the site, such as a deed restriction, when contamination left over after the cleanup action 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.

The following institutional controls have been or will be put in place on the site:

- Environmental Easement
- Groundwater Use Restriction
- Land Use Restriction
- Site Management Plan
- Monitoring Plan

The following engineering controls have been or will be put in place on the site:

-Cover System

Next Steps

NYSDEC will consider public comments as it finalizes the no further action remedy for the site. The selected remedy will be described in a document called a "Record of Decision" that will explain why the remedy was selected and respond to public comments.

Background

Location: The Orchard-Whitney site is a 4.073-acre site comprised of two separate parcels, 354 Whitney Street and 415 Orchard Street in the City of Rochester. The site is bounded by commercial properties and is adjacent to a densely populated residential area to the south.

Site Features: The site is currently vacant and fenced. Cover material consists of crushed building debris, and concrete.

Current Zoning and land use: The site is currently unoccupied and it is zoned for commercial and light industrial uses.

Past Use of the Site: At one time there were several multi-story brick manufacturing buildings and a power plant on-site. The properties have a long history of industrial use. Several sources of contamination existed at this site including USTs, electrical transformers, coal storage, chemical storage, metal finishing operations, and plating operations. In January 1999, USEPA completed a drum removal at the 354 Whitney St. parcel. Over 15 containers of waste material were removed.

Prior to the City entering the ERP, the Department completed an investigation of a portion of the site using EPA site assessment funds in December 2006.

Site Geology and Hydrogeology: Groundwater is generally 5 to 10 feet below ground surface and generally flows to the northeast. The depth to bedrock varies, but it is generally encountered 10 to 20 feet below ground surface. Along the southern portion of the site, the depth to bedrock exceeds 38 feet.

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=E828123>

Environmental Restoration Program: New York's Environmental Restoration Program (ERP) reimburses municipalities for their costs to investigate and clean up municipality owned contaminated properties. Once cleaned up, the properties may be redeveloped for commercial, industrial, residential or public use.

A brownfield is any real property that is difficult to reuse or redevelop because of the presence or potential presence of contamination.

For more information about the ERP, visit: <http://www.dec.ny.gov/chemical/8444.html>

FOR MORE INFORMATION

Where to Find Information

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

Lyell Branch Public Library
956 Lyell Avenue
Rochester, NY 14606
Phone: (585)428-8218
www.libraryweb.org

Mon. Noon - 8 p.m.
Tues.-Fri Noon - 6 p.m.
Sat. 11 a.m. - 3 p.m.
Sun. Closed

Who to Contact

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

Project Related Questions

Todd Caffoe
New York State Department of Environmental
Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414
585-226-5350
todd.caffoe@dec.ny.gov

Site-Related Health Questions

Bridget Boyd
New York State Department of Health
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.

Figure 1
Site Location
Orchard-Whitney Site E828123



0 0.075 0.15 0.3 Miles



Orchard-Whitney Site

