FACT SHEET

Voluntary Cleanup Program

Receive Site Fact Sheets by *E-mail.* See "For More Information" to Learn How.

Site Name: Federal-Mogul/Huck
DEC Site #: V00171
Address: 85 Grand Street
Kingston, NY 12401

Have questions? See "Who to Contact" Below

Interim Remedial Measure Proposed; Public Comment Period Announced

The New York State Department of Environmental Conservation (NYSDEC) is proposing an expedited cleanup for the Federal-Mogul/Huck site ("site") located at 85 Grand Street, Kingston, Ulster County. Please see the map for the site location. Documents related to the cleanup of this site can be found at the locations identified below under "Where to Find Information." The NYSDEC is conducting a public comment period because this Interim Remedial Measure (IRM) is likely to represent a significant part of the cleanup for this site.

How to Comment

The NYSDEC is accepting written comments about the proposed IRM work plan for 30 days, from **July 19, 2013** through **August 17, 2013**. The proposed plan is available for review at the locations 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 Interim Remedial Measure Work Plan

An IRM is a cleanup activity that may be performed when a source of contamination or exposure pathway (the way in which a person may contact contamination) can be effectively addressed without extensive investigation and evaluation.

The draft IRM work plan describes the proposed cleanup activities that include:

Air sparging and soil vapor extraction (SVE) to address soil and groundwater contaminated by volatile organic compounds (VOCs). VOCs will be physically removed from the groundwater and soil below the water table (saturated soil) by injecting air into the subsurface. As the injected air rises through the groundwater, the VOCs volatilize and transfer from the groundwater and/or soil into the injected air. The VOCs are carried with the injected air into the vadose zone (the area below the ground surface, but above the water table) where a soil vapor extraction (SVE) system is used to remove the injected air. The SVE system applies a vacuum to wells that have been installed into the vadose zone to remove the VOCs along with the air introduced by the sparging process. The air extracted from the SVE wells is then treated as necessary prior to being discharged to the atmosphere.

At this site, air injection wells will be installed in areas requiring treatment located under and around the former manufacturing building. They will be installed to a depth of approximately 29 feet, which is 17 feet below the water table. To capture the volatilized contaminants, SVE wells will be installed in the vadose zone to a depth of approximately 11 feet below the ground surface. Air containing VOCs extracted from the vadose zone via the SVE wells will be treated by passing the air stream through activated carbon, which removes the VOCs from the air prior to it being discharged to the atmosphere.

Summary of the Investigation
Numerous soil borings were installed on-site from 2002 to 2008 to delineate the horizontal and vertical extent of VOCs in the soil. Based on the results of these investigations, the primary VOCs detected in the on-site soils were trichloroethene (TCE), tetrachloroethene (PCE) and cis-1,2-dichloroethene (cis-1,2-DCE). They were found at several locations in shallow and deeper soils at concentrations above the soil cleanup objectives (SCOs) established for these compounds.

Several groundwater investigations have been performed in relation to this site from 2002 through 2011. These investigations found the highest VOC concentrations in groundwater in two areas located under the former manufacturing building. VOCs detected in the groundwater include PCE, TCE, and their breakdown products. Evaluation of the vertical extent of VOCs in the groundwater indicated VOC levels above the New York State ambient water quality standards were confined mainly to the upper ten feet of the groundwater table. All properties within a one-mile radius of the site are serviced by municipal water.

Next Steps
The NYSDEC will consider public comments, revise the work plan as necessary, and approve the IRM work plan in consultation with New York State Department of Health (NYSDOH). The approved work plan will be made available to the public (see "Where to Find Information" below). After the work plan is approved, the activities detailed in the work plan will be implemented. Upon completion of the work, a Construction Completion Report will be prepared to document the activities that were performed.

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

Background
Location: The Federal-Mogul Site is located at 85 Grand Street in the city of Kingston in Ulster County.

Site Features: The site consists of two buildings, a former manufacturing building and an attached office building, together occupying 105,000 square feet of the 4.5-acre site. The remainder of the site consists of paved parking lots, access roads and a grassy area near the office building.

Current Zoning and Land Use: The site is located in a mixed light-industrial, commercial, and residential area, with residences located both northeast and southeast of the site. Currently, Allways Moving and Storage uses the site for their moving and indoor self-storage business.

Past Use of the Site: The site has been used for nearly 100 years for automotive, electrical, and refrigeration supplies manufacturing. Chlorinated VOCs, SVOCs, metals, and PCBs have been identified in the soil and storm sewer sediment at the site, while metals and VOCs have also been identified in the groundwater at the site. The soil and storm sewer sediment contamination resulted from various manufacturing processes that are known to have occurred at the site, including metal finishing, heat treating, and degreasing.

Site Geology and Hydrogeology: Site soils generally consist of 0 to 3 feet of sand or sand and gravel fill material, followed by poorly sorted sand grading to silty sand down to approximately 68 feet below the ground surface (bgs), all of which is underlain by at least 10 feet of hard clay. The shallow water bearing zone is located approximately 15 to 20 feet bgs. Groundwater flows in a westerly direction across the site area.

Additional site details, including environmental and health assessment summaries, are available on the NYSDEC's website at:
http://www.dec.ny.gov/cfmx/extapps/derexternal/haz/details.cfm?pageid=3&progno=V00171

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 locations to help the public stay informed.

Kingston Library
Attn: Margie Menard
55 Franklin Street
Kingston, NY 12401-0494
Phone: (845) 331-0507

NYSDEC Region 3
21 South Putt Corners Road
New Paltz, NY 12561-1696
Phone: (845) 256-3154
Attn: Please call for an appointment.

Who to Contact

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

Project-Related Questions
Daniel Lanners
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7014
518-402-9662
drlanner@gw.dec.state.ny.us

Site-Related Health Questions
Kristin Kulow
New York State Department of Health
28 Hill Street, Suite 201
Oneonta, NY 13820
(607) 432-3911
BEEI@health.state.ny.us

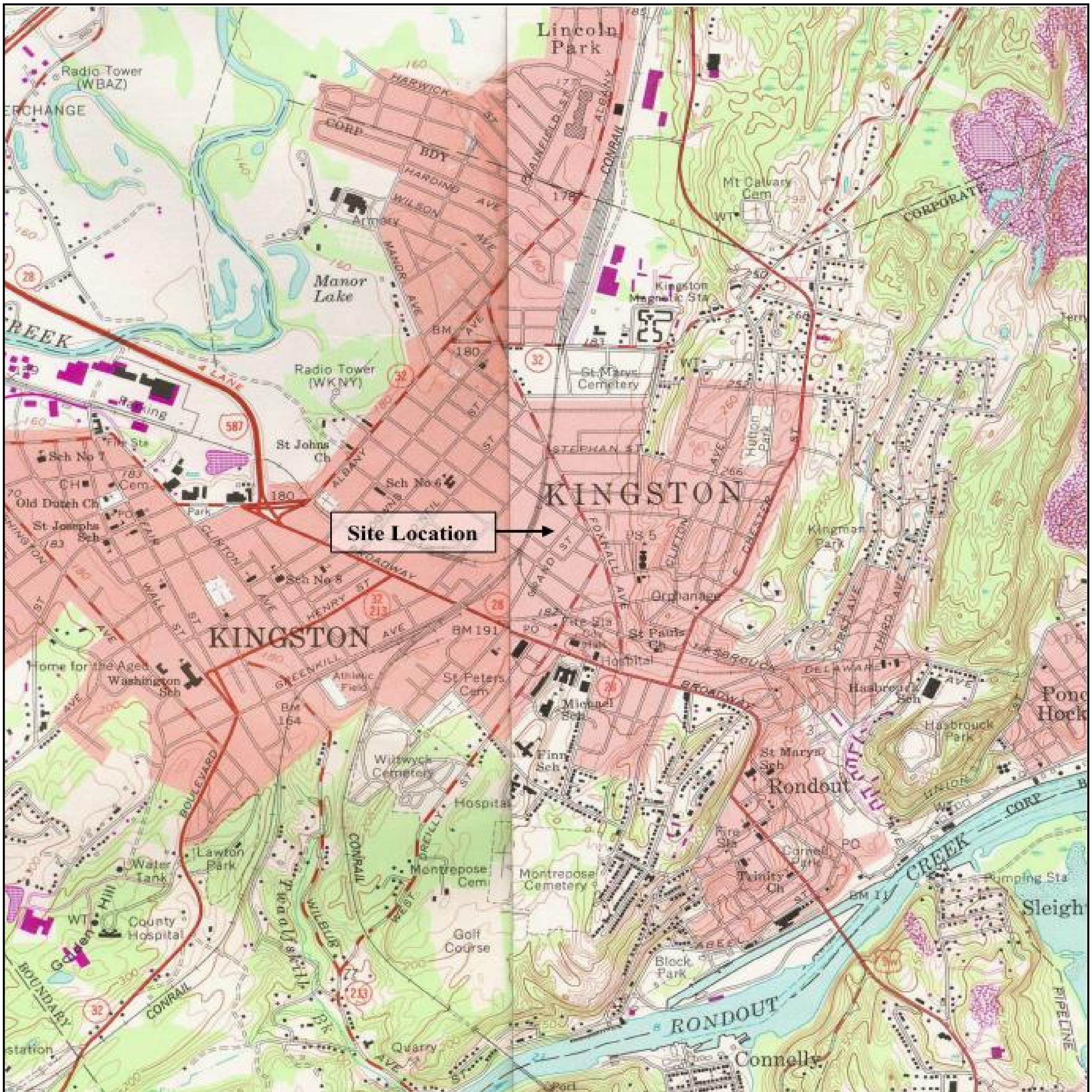
We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.

Receive Site Fact Sheets by E-mail

Have site information such as this fact sheet sent right to your e-mail inbox. NYSDEC invites you to sign up with one or more contaminated sites county e-mail 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.



Reference
7.5 Minute Series Topographic Quadrangle
Kingston East, New York
Photorevised 1980 Scale 1:24,000

Quadrangle Location

1000 0 2000 4000

Scale in Feet

WSP Engineering of New York, P.C.

WSP Engineering of New York, P.C.
2360 Sweet Home Road
Suite 3
Amherst, New York 14228
716-691-5232

Figure 1
Site Location
Huck Manufacturing Facility
Kingston, New York