

(Fact Sheet Begins Next)

## Act Now to Continue Receiving Information About This Site!

DEC's Division of Environmental Remediation (DER) now distributes information about contaminated sites *electronically by email*.

If you would like to continue to receive information about the contaminated site featured in this fact sheet:

**You must sign up for the DER email listserv:**

[www.dec.ny.gov/chemical/61092.html](http://www.dec.ny.gov/chemical/61092.html)

DER cannot register your email address - only the email address owner can do so. If you already have signed up for the listserv for the county in which the site is located, you need do nothing.



### **Why You Should Go “Paperless”:**

Get site information faster and share it easily;

Receive information about all sites in a chosen county - read what you want, delete the rest;

It helps the environment and stretches your tax dollars.

**If “paperless” is not an option for you**, call or write to the DER project manager identified in this fact sheet. Indicate that you need to receive paper copies of fact sheets through the Postal Service. Include the site name in your correspondence. The option to receive paper is available to individuals only. Groups, organizations, businesses, and government entities are assumed to have email access.

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**FACT SHEET****Brownfield Cleanup  
Program****Receive Site Fact Sheets by *Email*.** See "For More Information" to Learn How.

**Site Name:** Former General Motors North Tarrytown  
**DEC Site #:** C360070 Operable Unit 01 \*  
**Address:** 199 Beekman Ave  
Sleepy Hollow, NY 10591

Have questions?  
See  
"Who to Contact"  
Below

### **Cleanup Action to Begin at Brownfield Site**

Action is about to begin that will address the contamination related to Former General Motors North Tarrytown ("site") located at 199 Beekman Ave, Sleepy Hollow, Westchester County under New York State's Brownfield Cleanup Program. Please see Figure 1 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."

The cleanup activities will be performed by General Motors LLC ("applicant(s)") with oversight provided by New York State Department of Environmental Conservation (NYSDEC).

#### **Highlights of the Upcoming Cleanup Activities**

The goal of the cleanup action for the Hudson River portion of the site is to remove 4,400 cubic yards of metals-contaminated sediment in accordance with the June 2012 Final Decision Document. The cleanup action includes:

- **Site Preparation and Equipment Mobilization:** Preparation work on the site will begin in mid-October 2012 and will include construction of a temporary sediment processing pad, assembly of a water treatment facility, installation of construction office trailers, delivery of construction equipment, and installation of stormwater erosion controls. Within the Hudson River, temporary steel sheets will be driven into the sediment just off the shoreline for excavation support. The steel sheeting will be installed using cranes positioned on the GM site and also from a barge positioned in the river near Ichabod's Landing (see Figures 2 and 3).
- **Sediment Dredging Process:** Sediment dredging is expected to begin in November 2012 after the sheeting is installed and turbidity controls are in-place. The turbidity controls will enclose the work area in order to minimize the loss of suspended solids into the main river channel. Dredging will be completed using a mechanical bucket dredge from both barge-mounted and land-based equipment (see Figure 3).
- **Sediment Dredging Area:** Dredging will extend approximately 150 feet along the shoreline, upstream and downstream of a storm sewer outfall (OF-1), and will extend out to the Tarrytown Harbor channel (see Figure 3). Dredging depths will vary from 10 to 17.5 feet below mean sea level, reaching up to 10 feet below the river bottom.

\*Operable Unit: An administrative term used to identify a portion of a site that can be addressed by a distinct investigation and/or cleanup approach. An operable unit can receive specific investigation, and a particular remedy may be proposed.

- Sediment Processing: Sediments will be processed within a lined staging area on the site to prepare the material for handling and transportation to a disposal area. Water will be collected from this process and treated as necessary to meet Westchester County treatment requirements for discharge to the County sanitary sewer system.
- Storm Sewer Cleanout: An on-site storm sewer will be cleaned out to remove accumulated sediments. Storm sewer sediment and flush water from the cleanout will be co-processed with the river sediments removed from the Hudson River.
- Sediment Disposal: Once the processed sediment is stabilized and tested, the material, depending on test results, will either be transported by truck and disposed of at an off-site waste management facility or will be secured onsite within building slab openings for future use as structural fill beneath the cover system (Subject to conditions outlined in a Beneficial Use Determination from NYSDEC, granted in July 2012).
- Hudson River Restoration: Dredged areas within the river will be backfilled with clean sediments to NYSDEC-approved design grades.
- Site Restoration: The on-site stockpile of concrete millings will be reduced as this material will be used as interim cover over stabilized sediments and as structural fill within voids beneath the former building slabs.

#### *Additional Details*

Preparation of the site and equipment mobilization will begin in mid-October 2012. It is anticipated that the remedial action will continue for approximately three to four months and conclude by early 2013. Work is scheduled to occur Monday through Saturday, except holidays.

The remaining elements of the site remedy for both OU1 and OU2, including the engineering controls and institutional controls outlined in the June 2012 Final Decision Document, will be implemented during site redevelopment.

#### **Next Steps**

After completion of the cleanup activities by the applicant(s), the applicant(s) will prepare a Final Engineering Report and submit it to NYSDEC. The Final Engineering Report will describe the cleanup activities completed and certify that cleanup requirements have been achieved or will be achieved.

When NYSDEC is satisfied that cleanup requirements have been achieved or will be achieved for the site, it will approve the Final Engineering Report. NYSDEC will then issue a Certificate of Completion to the applicant(s).

The applicant(s) would be able to redevelop the site after receiving a Certificate of Completion. In addition, the applicant(s):

- would have no liability to the State for contamination at or coming from the site, subject to certain conditions; and

- would be eligible for tax credits to offset the costs of performing cleanup activities and for redevelopment of the site.

A fact sheet that describes the content of the Final Engineering Report will be sent to the site contact list. The fact sheet will identify any institutional controls (for example, deed restrictions) or engineering controls (for example, a site cap) necessary at the site in relation to the issuance of the Certificate of Completion.

## **Background**

**Location:** The Former General Motors North Tarrytown site is located at 199 Beekman Avenue in an urban area within the Village of Sleepy Hollow. The site occupies approximately 96.5 acres and is positioned along the eastern shore of the Hudson River. The site is approximately one-half mile west of the intersection of Beekman Avenue and New York State Route 9.

**Site Features:** The Site is comprised of three, non-contiguous parcels: 1) former main assembly plant area referred to as the West Parcel (approximately 66.2 acres); 2) eastern parking lot referred to as the East Parcel (approximately 28.3 acres); and 3) former salaried employee parking lot referred to as the South Parcel (approximately 1.7 acres). The West and East Parcels are bisected by an active passenger and freight rail corridor. Two large manufacturing buildings were demolished in 1999 from the West Parcel leaving two large concrete building slabs. The majority of the remainder of the site is covered with an asphalt parking surface. The Pocantico River borders the East Parcel to the north and discharges into the Hudson River approximately 1,000 feet upstream of the site.

**Current Zoning/Use(s):** The site is currently inactive and zoned for industrial land use. The site is located in a mixed industrial, commercial, residential, and parkland area. The commercial center for the Village of Sleepy Hollow is less than 0.5 miles east of the Site. Lands immediately southeast and east of the Site are primarily residential. Public parklands surround the northern borders of the Site. Kingsland Point Park of Westchester County abuts the northwest border of the Site. The Tarrytown Lighthouse, which is listed on the National Register of Historic Places, is located in the Hudson River immediately west of the Site and is accessible to the public through Kingsland Point Park.

**Historic Use(s):** Until approximately 1830 when a brickyard was established at the site, the property was undeveloped or used as farmland. In 1885, the Rand Drill Company acquired the abandoned brickyard property and the facility was used to manufacture percussion rock drills until approximately 1909. Between 1899 and 1914 the north side of the property (adjacent to Kingsland Point) was used for vehicle manufacturing by the Mobile Company of America (Mobile) and the Maxwell Briscoe Company (Maxwell Briscoe). The Chevrolet Motor Company (which later became a division of GM) originally acquired the former Maxwell Briscoe Property and automobile manufacturing facility in 1914. Between 1914 and 1996, GM assembled automobiles at the Site. This included two manufacturing buildings (the Body Plant and the Chassis Plant) along with support operations consisting of a powerhouse, petroleum bulk storage tanks, a wastewater pretreatment facility, a water storage tank, and miscellaneous day shelters for equipment and personnel. Overall, approximately 90% of the site area has been developed on fill.

**Operable Units:** The site is divided into two operable units. Operable Unit 1 (OU1) includes the

West Parcel (approximately 66.2 acres), the Hudson River, and the former salaried employee parking lot referred to as the South Parcel (approximately 1.7 acres). Operable Unit 2 (OU2) consists of the East Parcel (approximately 28.3 acres). The East Parcel was acquired by GM from the Village of North Tarrytown and was only used as a parking lot.

**Site Geology and Hydrogeology:** The majority of the site is developed on fill material with a highly variable composition and thickness. The fill is generally comprised of fine-to-coarse sand with lesser amounts of gravel, silt, and clay and varying amounts of coal cinder and ash fill cinders, along with brick fragments and other solid building materials. Areas of the site have also been filled in with Hudson River dredged material that consist of sand, silt, gravel, and shells. Fill, placed in a portion of the East Parcel by the Village of North Tarrytown, consists of municipal refuse and coal ash. The fill material is underlain in areas by soft organic clay and peat deposits associated with the Hudson and Pocantico Rivers. In other areas, layers of silt and clay underlies the fill. Beneath these deposits, a layer of compact granular glacial till (silty sand with gravel and occasional cobbles and boulders) overlies the bedrock with a thickness ranging from 1 foot to more than 10 feet. The underlying bedrock is a weathered to relatively sound gneiss. The depth to bedrock is extremely variable across the site, ranging from less than 20 feet below ground surface (bgs) to greater than 100 ft.

The groundwater table in the vicinity of the site is present in the fill and predominantly occurs at a depth of approximately 5 to 10 feet beneath the ground surface. In general, groundwater flow is to the west, toward the Hudson River.

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=C360070>

**Brownfield Cleanup Program:** New York's Brownfield Cleanup Program (BCP) encourages the voluntary cleanup of contaminated properties known as "brownfields" so that they can be reused and redeveloped. These uses include recreation, housing, business or other uses.

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 BCP, visit: <http://www.dec.ny.gov/chemical/8450.html>

## FOR MORE INFORMATION

### Where to Find Information

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

Warner Library  
Attn: Reference Librarian  
121 North Broadway  
Tarrytown, NY 10591  
phone: (914) 631-7734

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

Village of Sleepy Hollow  
Attn: Village Clerk  
28 Beekman Avenue  
Sleepy Hollow, NY 10591  
phone: (914) 366-5106

Project documents are also available on the NYSDEC website at:  
<http://www.dec.ny.gov/chemical/37552.html>

### **Who to Contact**

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

#### Project Related Questions

Jason Pelton  
Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway  
Albany, NY 12233-7017  
518-402-9478  
jmpelton@gw.dec.state.ny.us

#### Site-Related Health Questions

Fay Navratil  
New York State Department of Health  
Empire State Plaza Corning Tower, Room 1787  
Albany, NY 12237  
(518) 402-7880  
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 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.

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.