NEW YORK STATE DEPARTMENT OF

ENVIRONMENTAL CONSERVATION

This Fact Sheet contains information about the remedial action at the Tarrytown Former MGP Site located in the Village of Tarrytown, N.Y. If you have any questions on the Voluntary Cleanup Agreement or the Remedial Action, please contact:

Mr. Lech Dolata
Project Manager
NYSDEC
625 Broadway, 11th Floor
Albany, NY 12233-7014
(518) 402-9662

For Citizen Participation questions, contact:
Mr. Michael Knipfing
Citizen Participation Specialist
NYSDEC
21 South Putt Corners Road
New Paltz, NY 12561
(845) 256-3154

For site-related health questions, please contact:
Mr. Carl Obermeyer or Bridget Callaghan
Public Health Specialist
NYSDOH
547 River Street
Troy, NY 12180
1 (800) 458-1158, Ext. 27890

For site development questions, please contact:
Mr. Carl Monheit
Ferry Investments, LLC
(**914) 631-1720**

FACT SHEET

Tarrytown Former MGP Site

VOLUNTARY CLEANUP AGREEMENT
Site No. V00167-3
May, 2004

REMEDIAL WORK IS ABOUT TO BEGIN

Consolidated Edison, Ferry Landings, LLC and Ferry Investments, LLC (The Volunteers), and their contractor D.A. Collins Environmental, have scheduled a cleanup at the Tarrytown Former Manufactured Gas Plant (MGP) site to begin in the third week of May, 2004. The remedial work will be performed in accordance with a NYSDEC approved design and with NYSDEC construction oversight. This cleanup operation will be performed under the provisions of the NYSDEC Voluntary Cleanup Program (VCP) for redevelopment into restricted residential and restricted commercial/industrial uses excluding day care, child care and medical care.

BACKGROUND

The 20 acre site is located on West Main Street in the Village of Tarrytown, New York. The Tarrytown Former MGP Site is the location of historic manufactured gas plant activities, from which several underground structures remain. Remedial investigations have been carried out at the site by the Volunteers over the past several years. These investigations included the installation of groundwater monitoring wells, surface and subsurface soil sampling, river sediment sampling and test pit excavations. Waste associated with the former MGP operations, commonly referred to as dense, nonaqueous phase liquid (DNAPL), has been identified and has caused significant areas of soil contamination on-site and sediment contamination in the river adjacent to the site. Additionally, several underground storage tanks (USTs) associated with a more recent use of the site as a transportation maintenance facility, were the source of petroleum spills over the past several years. These USTs and a significant amount of petroleum product and contaminated soils have already been removed. However, some petroleum product and contaminated soils remain. The primary contaminants of concern are toulene, xylene, benzoanthracene, benzofluorethene, benzopyrene, chrysene and 2-methylnaphtalene. Non Aqueous Phase Liquids are reddish brown coal tars with an oily liquid appearance. They do not readily dissolve in water and most of these tars are more dense than water. These are called DNAPLs. Oily, tarry liquids less dense than water are known as Light Non Aqueous Phase Liquids (LNAPLs).

REMEDIAL ACTION

The proposed action is aimed at the removal of petroleum and MGP related contamination from the bottom of the Hudson River and the land portion of the site to create conditions for future residential and commercial use.

The Proposed Action: Highlights of the upcoming remedial action include the following (see Figure1 for location of areas discussed below).

- **Western DNAPL Area**
  A 160 foot long in-ground barrier made of watertight sheeting will be constructed along the Hudson River to limit movement of NAPLs into the riverbed. The top of this barrier wall will be at the same depth as the bottom of the river. In addition, a 60 foot long recovery trench, 4 to 8 foot deep and filled with crushed stone, will be constructed parallel to the sheetpile wall to help in the NAPLs recovery.

- **Northern DNAPL Area**
  A 360 foot long in-ground barrier made of watertight steel sheeting will be constructed and driven into the lower permeability silty clay. The barrier will be accompanied by a recovery trench constructed on the upgradient side of the barrier wall.

- **River Sediment**
  The DNAPL contaminated sediments will be removed from the riverbed and disposed of off-site. This work will be performed within impermeable silt barriers to control movement of any re-suspended particles. The dredged area will be lined with a filter fabric and backfilled with imported stone and benthic soil placed to the final grade.

- **Liquid Non Aqueous Phase Liquids (LNAPLs) Area**
  Any LNAPL floating free on the surface of groundwater will be collected in a newly constructed recovery trench parallel to and about 150 feet north of West Street. The collected LNAPL will be sent through an oil/ water separator, recycled and disposed of off-site.

- **Holder and Tar Well Area**
  Holders A and D will be investigated for presence of MGP related contamination. If such contamination is found, the contaminated soil will be removed from the holders and disposed of off-site. Any piping found to contain significant residual MGP waste will also be removed and disposed of off-site. Holders B and C, which were previously investigated, will be handled in the same way.

The approved Remedial Action Work Plan also includes the following measures:

- development of a long term Operation, Maintenance and Monitoring Plan to make sure the barrier walls and the recovery trenches are effective; and

- development of a site management plan to protect future site workers and residents from any possible future exposures to untreated subsurface soil remaining on site.
- following remediation, institutional controls in the form of deed restrictions will be implemented to require compliance with the approved site management plan and to prevent the use of groundwater beneath the site as a source of potable or process water without necessary water quality treatment; and
- annual certification by the property owner that the institutional controls and engineering controls are still in place, have not been altered, and are still effective.

A site specific Community Health and Safety Plan, to include air monitoring, will be implemented by the contractor to protect the community during construction. This includes air monitoring. During the remedial work, odor emissions will be controlled. However, some odors similar to driveway sealer may be detectable outside the perimeter of the site. These odors will be monitored to assure they do not create a health hazard to the community

FOR MORE INFORMATION

If you would like more information about this project, you are urged to contact the project personnel listed on the cover of this Fact Sheet. You are also invited to visit the document repositories listed below. Included in the repositories are the Voluntary Agreement and the Remedial Action Work Plan discussed above. The repositories are located at:

The Warner Library
121 North Broadway
Tarrytown, New York 10591
(914) 631-7734
Kris Weltzheimer, Director
Monday and Thursday 1 - 9 pm
Tuesday and Wednesday 10 am - 6 pm
Friday 10 am - 5 pm
Saturday 9 am - 1 pm (July and August)

NYSDEC Region 3 Office
21 South Putt Corners Road
New Paltz, New York 12561
(845) 256-3154
Mr. Michael Knipfing, Citizen Participation Specialist
Monday - Friday 8:30 am - 4:45 pm

ABOUT THE VOLUNTARY CLEANUP PROGRAM

The Voluntary Cleanup Program was developed to enhance private sector cleanup of properties by enabling volunteers to remediate sites using private rather than public funds, and to reduce the development pressures on “greenfield” sites. Under the Program, a volunteer agreed to investigate and remediate a site to a level that is protective of human health and the environment for the present or intended use of the property. Investigation and remediation is carried out under the oversight of the NYSDEC and the NYSDOH. When the volunteer satisfactorily completes the work, the State provides a release from State liability for the work done, returning the site to productive use. For more information regarding New York State’s VCP, please visit the NYSDEC’s web site at: **http://www.dec.state.ny.us/website/der/vcp/index.html**