

**NEW YORK STATE
DEPARTMENT OF**



**ENVIRONMENTAL
CONSERVATION**

Project documents are available for review at the document repository listed on the next page. If you have any questions related to this project, please contact:

Mr. William T. Ports, P.E.
Project Manager
NYSDEC

Division of Environmental
Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7014
518-402-9662

e-mail:
wfports@gw.dec.state.ny.us

Ms. Maribeth McCormick
Technical Manager
Environmental Services
Orange & Rockland Utilities, Inc.
3 Old Chester Road
Goshen, NY 10924

845-783-5534
e-mail:mccormickm@oru.com

Ms. Kim Campbell
Community Relations Manager
Orange & Rockland Utilities, Inc.
One Blue Hill Plaza
Pearl River, NY 10965

845-577-2539
e-mail:campbellk@oru.com

For health-related questions, please contact:

Mr. Anthony Perretta
NYS Department of Health
Flanigan Square
547 River Street
Troy, NY 12180
(800) 458-1158 ext. 27880

Fact Sheet

Orange and Rockland Utilities, Inc.
Clove and Maple Avenues Former MGP Site
Village of Haverstraw, Rockland County
Site Number 3-44-049
October 2009

Meeting to Present Remedial Investigation Report

The New York State Department of Environmental Conservation (NYSDEC), New York State Department of Health (NYSDOH), and Orange and Rockland Utilities (O&R) will hold a public meeting at 7:00 pm on November 10, 2009 at the Haverstraw Village Hall, 40 New Main Street, Haverstraw, NY. The meeting will present the findings of the investigation that has been completed for the Clove & Maple Manufactured Gas Plant Site.

SITE BACKGROUND

The site was previously the location of a manufactured gas plant (MGP) and is located between Clove and Maple Avenues in the Village of Haverstraw, Rockland County, in an area that is zoned light industrial, but commercial and residential land uses are also found nearby. The former MGP (about one acre in size) made coal gas for street lamps and other uses, much the way natural gas is used today. The gas plant operated from about 1887 until 1935 when natural gas was introduced. The plant facilities were removed in the 1960s and a retired gas regulator station is the only remaining structure on the fenced property. The gas regulator station was decommissioned by O&R in 2007. Prior to the MGP operations at the Clove and Maple site, a gas plant was in operation at 93B Maple Avenue. The 93B site is located northwest of the Clove and Maple site on the opposite side of Maple Avenue. The 93B MGP site and nearby properties were previously investigated and remediated. Site-related documents for both sites are available at the document repositories listed at the end of this fact sheet. An air photo showing the location of both sites is provided at the end of this fact sheet.

The primary contaminant of concern at these sites is coal tar, which condensed out of the gas as it cooled. Coal tar contains BTEX compounds (benzene, toluene, ethylbenzene and xylene) and PAHs (polycyclic aromatic hydrocarbons).

INVESTIGATION HISTORY

O&R has performed a series of environmental studies at the site and nearby properties, beginning with an initial assessment in 1996 and a preliminary site assessment in 1997. The Remedial Investigation (RI) was initiated in 1998, with multiple phases of field work, analysis and review. This investigation resulted in a series of reports, culminating in the Remedial Investigation Report dated May, 2009 that has been reviewed and approved by NYSDEC. The investigation report is available at the locations identified below under "Where to Find Information".

Highlights of the Investigation Report

The investigation Study Area included the former MGP Site between Clove & Maple Avenues shown in red and the Clove & Maple Off-site MGP Site Study Area shown in yellow on the attached air photo. The investigation included sampling and chemical analysis of surface soil, subsurface soil, sediment, groundwater, storm water runoff, and soil vapor. A specialized sensing technology was used in conjunction with visual observations to help locate MGP tar-related impacts.

Coal tar and related contaminants were found in soil borings and wells at the Clove & Maple MGP Site. Contamination appears to have migrated down-hill beneath Maple Avenue and is present beneath the surface of the Study Area, except for the Head Start property, which was not impacted. Coal tar and related contaminants from the former 93B MGP site may have contributed to the contaminants found in the Study Area. Groundwater in direct contact with the coal tar is contaminated, but the contamination does not extend far beyond the coal tar-contaminated area. Sediments within a small area of the embayment were found to contain coal tar-related compounds (polycyclic aromatic hydrocarbons).

In most of the impacted areas, the contamination is at least 8 feet deep, with clean soil overlying it. During the investigation, O&R looked at the potential for residents and/or building occupants to be exposed to contaminated groundwater, soil vapor, sediment and soil. No exposures to the site-related contaminants were identified.

NEXT STEPS

The process of selecting a remedy for this site has just begun. The environmental consultant for O&R will prepare a Feasibility Study (FS) that will evaluate remedial technologies and combine them into a recommended comprehensive remedy for the site. The NYSDEC will review the FS and will then develop a Proposed Remedial Action Plan (PRAP) which will present the remedy that the NYSDEC proposes for this site. There will be another fact sheet and a public meeting to present the PRAP and solicit input from the community during the public comment period. The proposed remedy will then be revised as necessary based on public comment, and the final selected remedy will be documented in the Record of Decision (ROD). It is currently anticipated that the ROD will be issued within the next 12 months.

FOR MORE INFORMATION

Project documents are available at the following locations to help the public stay informed. These documents include the latest investigation report.

Haverstraw King's Daughters Library
Rosman Center -10 West Ramapo Road
Garnerville, New York
(845) 786-3800
Hours:
Monday - Thurs: 10:00 am - 9:00 pm
Friday: 10:00 am - 5:30 pm
Saturday: 10:00 am - 5:00 pm

NYS Department of Environmental Conservation
Region 3 Office
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3154
(call for an appointment)
Hours: Monday- Friday 8:30 am - 4:30 pm

About the Manufactured Gas Plant Program:

NYSDEC has one of the most aggressive Manufactured Gas Plant (MGP) Programs site investigation and remediation programs in the country. Since the problems associated with the former MGP sites were identified, NYSDEC has been working with all the utilities on a state-wide basis to identify and address the issue of MGP sites for which they may have responsibility. This effort has resulted in approximately 253 sites identified for action by the eight utilities operating in New York State.

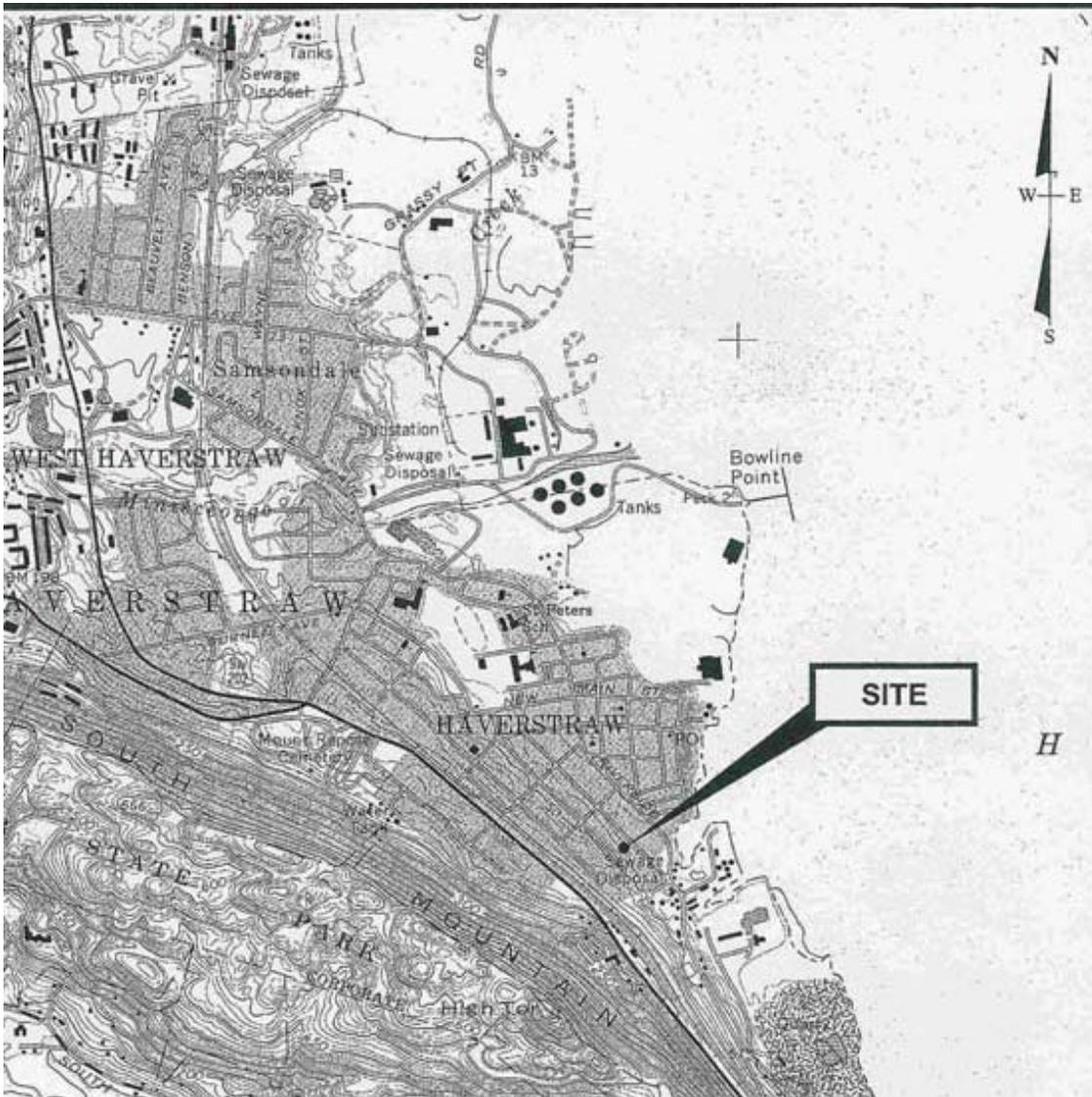
Currently we have multi-site orders or agreements with six utilities, including O&R, and several other individual site volunteers, to address 214 MGP sites in NYS. Multi-site agreements are under negotiation with a seventh utility and several other responsible parties which have newly-identified sites. These new sites will add an additional 15 sites to the 214, for a total of 229 sites state wide.

NYSDEC continues to seek to identify any other possible MGP sites throughout the State.

For more information about the NYSDEC's MGP program, visit: www.dec.ny.gov/chemical/8430.html

If you know someone who would like to be added to the site contact list, have them contact the NYSDEC project manager on the page 1. 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.

Location of Clove and Maple Avenues Former MGP Site.



Air photo showing Clove and Maple MGP Site, off-site Study Area, and the 93B MGP Site.

