New York State Department of Environmental Conservation

Former Halesite Manufactured Gas Plant Site
Village of Halesite/Town of Huntington
Suffolk County, NY
Index No. D1-0001-98-11

FACT SHEET

August 2008

Remedial Action to Begin at former Halesite Manufactured Gas Plant Site; Public Availability Session August 19, 2008

PUBLIC AVAILABILITY SESSION NOTICE

August 19, 2008
7:00-9:00 PM
Halesite Fire Department
1 North New York Avenue
Halesite, NY 11743

The New York State Department of Environmental Conservation will hold a Public Meeting to present and respond to questions about a Remedial Action scheduled to extend from September through December 2008 at the former Halesite MGP site. Representatives of New York State Department of Health, National Grid and LIPA will also be present. Copies of the RAP have been placed in the Document Repositories and are summarized in this Fact Sheet.

The New York State Department of Environmental Conservation (NYSDEC), together with the New York State Department of Health (NYSDOH), is scheduled to progress with the Remedial Action for a former Manufactured Gas Plant (MGP) site located in Halesite, along North New York Avenue, in the Town of Huntington. An active Long Island Power Authority (LIPA) substation is located on a portion of the site.

Background:
Predecessors to the Long Island Lighting Company (LILCO) operated an MGP on the site beginning around 1892 and continuing through about 1918. The facilities used to manufacture gas were dismantled and removed from the site after 1918. The site provided storage for manufactured gas through 1960, at which time the cylindrical storage tank was removed and a power substation was eventually erected. Following the 1998 merger of LILCO and Brooklyn Union Gas Company to form KeySpan, the site became the property of LIPA, but as the successor to LILCO, KeySpan (which was acquired by National Grid in 2007) retained responsibility for the environmental implications resulting from the former MGP. Those implications, reported in a Final Remedial Investigation Report in November 2004, are generally associated with the deposition of coal tar and its related chemical constituents on the site as a byproduct of the MGP operations. Currently, the site consists of a lowland area where the substation is located, a wooded upland area, and an offsite downgradient area to the west of the site leading towards Huntington Harbor.

The key requirements of the Remedial Action Plan are:

1. Excavation of two upland and two lowland areas of the site to a depth ranging between 12 – 22 feet below grade surface, in total removing about 2,000 cubic yards of contaminated soil.
2. Construction of an engineered cap over portions of the upland area.
3. Construction of a groundwater treatment system in the lowland area.
4. Installation of DNAPL (tar) recovery wells upland and lowland.
5. Implementation of institutional and engineering controls to ensure site safety in current and future use; monitor the effectiveness of the groundwater treatment system; and operate and maintain the system and the engineered cap in the future.

The remedial construction is expected to begin September 2 with completion in December 2008. Some non-intrusive site mobilization activity may be conducted during late August.

If you have any questions or would like further information about the former MGP site in Halesite please contact

Ms. Lisa Gorton
Project Manager
NYSDEC
625 Broadway
Albany, NY 12233-7017
(518) 402-9564

DEC Hotline
866-520-2334

Or

for site related health questions, contact the New York State Department of Health (NYSDOH) staff:

Ms. Renata Ockerby
NYSDOH
Flanigan Square
Room 300
547 River Street
Troy, NY 12180
(800)-458-1158 ext. 27880

For information on site related activities, you can contact KeySpan:

Halesite Site Hotline
(516) 545-3672

Press inquiries may be made to the appropriate press offices of the New York State agencies or National Grid.

Remedial Investigation and Exposure Assessment:
The Remedial Investigation took place in two phases: a Remedial Investigation in 2000 and a Supplemental Investigation in 2003. The investigations were undertaken under an Order on Consent between KeySpan and the NYSDEC and under Work Plans approved by the NYSDEC.

Data from on-site investigations have shown the presence of contaminants typically associated with an MGP operation. The majority of these contaminants can be divided into two categories: BTEX compounds and Polycyclic Aromatic Hydrocarbons (PAH's). BTEX compounds are Benzene, Toluene, Ethylbenzene, and Xylene. These are volatile hydrocarbons found in many petroleum products, such as gasoline. BTEX compounds are less dense than water and will form sheens on top of water. PAH's are made up of several semi-volatile compounds. These compounds are also found in many petroleum products, such as asphalt. These compounds tend to be denser than water and are not readily dissolved or broken down in the environment.

BTEX and PAH's are most often found in a mixture known as coal tar, a dark, viscous fluid with a distinctive acrid odor. Coal tar was condensed out of the manufactured gas before it was piped to individual customers. At the Halesite MGP Site residual coal tar is primarily found at two tar deposit areas in the upland portion of the site and southeast of the former Gas House in the lowland area. Off-site, a groundwater plume is present downgradient in the direction of Huntington Harbor. Analysis of the groundwater downgradient of the site and near Huntington Harbor shows non-detect to low concentrations of BTEX and PAHs in shallow and intermediate depth groundwater. No impacts to Huntington Harbor have been observed.

Currently, the potential for members of the public to be directly exposed to site related contaminants is minimal. Contaminants have been found off-site at low and non-detectable levels. The former MGP site is securely fenced and there are limited exposure pathways to the public.

During the Remedial Actions, protective measures will be followed to ensure the community and on-site workers are not exposed to site related contaminants. One of these protective measures is a Community Air Monitoring Plan (CAMP). This is a plan that will be used during site invasive activities to protect the site occupants and surrounding community from potential air-borne exposures to contaminated materials. The CAMP will be implemented during remedial activities with direct oversight by the NYSDEC and NYSDOH. Another protective measure is an Odor Control Plan which will be capable of controlling nuisance odors during on-site activities. Some specific odor control methods that may be used include: using foam or tarps to cover exposed soils, minimizing the size of soil stockpiles and the use of chemical odorants in misting systems.

Construction Plan and Phases:
Construction will begin with the removal of trees and other vegetation to build a roadway from the lower portion of the site to the upland area. Once the roadway is completed, excavation equipment will move to the upland area and begin excavation. Excavated soil will be placed on small trucks and taken to the lowland area for trucking to authorized offsite disposal facilities. Specialized foams, mists and other technologies will be used to minimize the odors generated during the

excavation. Staged soils will be foamed and covered with specialized tarps, and all trucks leaving the site with excavated soil will have both a plastic cover and specialized tarp cover to reduce odors while in transit. The excavated soil will be replaced with clean fill from NYSDEC approved sources. A high performance self-sealing environmental liner will be placed over the fill about two feet below the surface, over which another two feet of clean fill will be placed. After the upland area is remediated, excavation will be moved to the lowland area, following a similar procedure. After the excavations are restored to grade level, National Grid will install an oxygen injection system in the lowland area to accelerate the natural attenuation of contaminants in the groundwater plume. The upland area and slope will then be replanted.

During the excavation of the lowland area, the parking lane of New York Avenue adjacent to the site will be closed. Appropriate signs and barriers will be put in place in accordance with New York State Department of Transportation requirements to maintain two lanes of traffic. The LIPA substation will continue to operate throughout the project and LIPA employees will have access to the site as required. Supplemental investigation work will include an audit and visual inspection of historical and existing storm systems and additional soil boring work to confirm the limits of impacts to adjacent property (36 New York Avenue). All work on the site will be done during normal daytime working hours. The project is expected to begin during the first week in September 2008 and is expected to take approximately 4 months to complete.

Next Steps:
The Public Availability Session is scheduled for August 19, 2008. Representatives of the NYSDEC, NYSDOH and National Grid will present the Remedial Action details and respond to questions from the public.

The Final Remedial Investigation Report, the full RAP and other documents related to the site may be found in the Document Repositories.

Document Repositories for the site are located at:

Huntington Public Library
338 Main Street
Huntington, NY 11743

NYSDEC Region 1 Office
SUNY Stony Brook
Stony Brook, NY 11790
631-444-0241
Contact: Mr. Walter Parish