



FACT SHEET

Manufactured Gas Plant Program

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Patchogue Former Manufactured Gas Plant Site
Site #1-52- 182
234 West Main Street
Patchogue, NY

February 2011

Remedy Proposed for Former Manufactured Gas Plant Site; Public Comment Period and Public Meeting Announced

The public is invited to comment on the remedy proposed by the New York State Department of Environmental Conservation (NYSDEC) to address environmental impacts related to the Patchogue Former Manufactured Gas Plant (MGP) Site. The site is located at 234 West Main St. in the Village of Patchogue, Suffolk County. See the enclosed map for the site location. National Grid, the site owner, has agreed to investigate and remediate the site to a level that is protective of public health and the environment. The investigation and remediation are being performed with the oversight of the NYSDEC and the New York State Department of Health (NYSDOH).

Public Meeting
March 10, 2011
7-9 p.m.

Alternate Date in the event of severe weather:
March 17, 2011

Patchogue Fire Department
15 Jennings Avenue
Patchogue, NY

NYSDEC invites you to a public meeting to discuss the remedy proposed for this site. You are encouraged to provide comments at the meeting and during the 30-day comment period

The Proposed Remedy

The remedy proposed for the site includes in-situ solidification (ISS) of MGP tar-impacted soil. The soil would be mixed in place with cement and/or other hardening materials to form an impermeable, solid mass to prevent migration of MGP related contaminants. The proposed remedy also includes excavation of a small area of off-site petroleum contamination, a soil cover over the entire site, land use restrictions, and a program of ongoing groundwater monitoring.

The proposed remedy is described in a draft cleanup plan called a "Proposed Remedial Action Plan," developed under New York State's Manufactured Gas Plant Program. The document is available for public review at the locations identified below under "Where to Find Information."

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 235 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 National Grid, and several other individual site volunteers, to address 222 MGP sites in NYS. Multi-site agreements are under negotiation with a seventh utility and several other responsible parties which have newly identified sites.

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

How to Comment

NYSDEC is accepting written comments about the proposed remedy for 30 days, from February 23, 2011 through March 25, 2011.

Submit written comments to:

Elizabeth B. Lukowski, Project Manager
NYSDEC

625 Broadway, 11th Floor
Albany, NY 12233-7014

1-866-520-2334

eblukows@gw.dec.state.ny.us

Summary of the Proposed Remedy

The proposed remedy represents the alternative preferred by NYSDEC, NYSDOH and National Grid to address site impacts. The draft cleanup plan includes:

- In-situ solidification (ISS) of MGP tar-impacted source material
- Excavation and off-site disposal of MGP tar and petroleum-impacted materials on adjacent property to the east (off-site)
- Engineering Controls (site cover)
- Institutional Controls (an environmental easement to restrict the use of the site to restricted-residential uses)
- Post-remedial groundwater monitoring

The proposed remedy was chosen following a detailed investigation of the site and evaluation of alternatives to address MGP impacts, called a "Remedial Investigation/Feasibility Study". Other alternatives presented in the Feasibility Study include no action, institutional and engineering controls, and removal of contaminated soil to varying degrees. The

proposed remedy would achieve the remediation goals for the site by solidifying heavily contaminated soil. The ISS would include all areas of MGP-related source material. The deepest targeted treatment depth would be 23 feet below ground surface. A site cover to allow for restricted-residential use of the site would be installed. The proposed remedy would contain the source of MGP impacts to groundwater and it would create the conditions needed to restore groundwater quality to the extent possible.

The estimated cost to implement the remedy is \$5,930,000. National Grid will be financially responsible for implementation of the remedy.

Next Steps

NYSDEC will consider public comments as it finalizes the remedy for the site. The selected remedy will be described in a document called a "Record of Decision" that will explain why the remedy was selected and respond to public comments. This document will be made available to the public (see "Where to Find Information" below). The project then moves to designing and performing the cleanup action to address the site contamination.

NYSDEC will keep the public informed during the cleanup of the site.

Background

The Patchogue former MGP site, currently vacant, is located at 234 West Main Street on a parcel south of Main Street, east of River Avenue, and adjacent to the Patchogue River, in the Village of Patchogue. The site is approximately 3.6 acres in size, and is located along the Patchogue River, just south of where the River exits Patchogue Lake. The MGP was constructed by the Patchogue Gas Company in approximately 1904 and produced gas continuously through 1914 and intermittently into the 1920's. It was then modified to store and distribute gas produced off-site. The distribution facility remained until the 1970's, when LILCO sold the site to a third party. In 1999, LILCO and Brooklyn Union Gas merged to form KeySpan. KeySpan re-acquired the site in 2005 for the purposes of remediation. National Grid acquired KeySpan in 2008 and currently maintains ownership of the site.

A Preliminary Site Assessment was completed in 2003 and a Remedial Investigation in 2009. The Remedial Investigation determined that the site exhibits the characteristics of a former MGP site, with the presence of coal tar, petroleum wastes and other chemical residuals commonly associated with MGPs in soil and groundwater. The groundwater at the site flows from the northwest to the southeast. Groundwater which moves through the tar becomes contaminated, and then moves southeast and discharges into the river, where dilution and degradation quickly act on the contaminants. Site related contamination was not found in the water samples collected from the river.

The entire site is surrounded with security fencing. The Remedial Investigation determined that there are no imminent hazards to human health; however, there are potential pathways through which people could be exposed to the potentially harmful materials in the future. It has since been determined that these pathways, which could affect on-site utility workers or future development of the site, must be addressed through remedial action.

A Focused Feasibility Study (FFS), developing and analyzing alternative Remedial Action Plans, was conducted during 2010, as were additional Pre-Design Investigations to more precisely define the locations on the site that require remediation.

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following locations to help the public to stay informed. These documents include the proposed cleanup plan for the site, called the "Proposed Remedial Action Plan", and the Remedial Investigation and Feasibility Study reports.

Patchogue Medford Library
54-60 East Main Street
Patchogue, NY 11772
Phone: (631) 654-4700
Website: www.pmlib.org

NYSDEC Region 1 Headquarters
50 Circle Road
Stony Brook, NY 11790
By appointment only
Phone: (631) 444-0240

Who to Contact

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

Project Related Questions

Elizabeth B. Lukowski, Project Manager
NYSDEC
625 Broadway, 11th Floor
Albany, NY 12233-7014
Phone: 1-866-520-2334
Email: eblukows@gw.dec.state.ny.us

Site-Related Health Questions

Jacquelyn Nealon, Project Manager
NYSDOH
547 River St., Room 300
Troy, NY 12180-2216
Phone: (518) 402-7880

National Grid has a Hotline (516-348-6100) and Website (www.patchoguemgpsite.com) for neighbors.

The Hotline provides an opportunity to ask questions or leave comments. The website contains information about the Site, updates on work and documents related to the project.

For further health information on health related issues, please see the New York State Department of Health Fact Sheet -What is Exposure - <http://www.health.state.ny.us/environmental/about/exposure.htm>

For further information on proposed preferred cleanup remedies, please see the following citizen guide documents:

Soil Solidification and Stabilization: <http://www.epa.gov/tio/download/citizens/s-s.pdf>

Soil Excavation: <http://www.epa.gov/tio/download/citizens/s-s.pdf>

If you know someone who would like to be added to the site contact list, have them contact the NYSDEC project manager listed above. 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 are available at the following web page: 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.

Site Figure
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