

(Fact Sheet Begins Next)

Act Now to Continue Receiving Information About This Site!

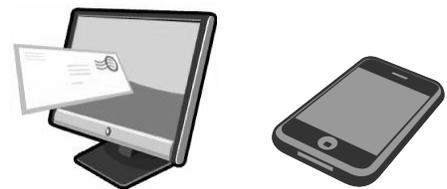
DEC's Division of Environmental Remediation (DER) now distributes information about contaminated sites *electronically by email*.

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

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.



Department of
Environmental
Conservation

FACT SHEET

Manufactured Gas Plant Program

NFG – Hornell Former MGP

1 Canisteo Square
Hornell, NY 14843

SITE No. 851032

NYSDEC REGION 8

September 2020

Where to Find Information

Access project documents through the DECinfo Locator and at these location(s):

Hornell Public Library

64 Genesee Street
Hornell, NY 14843
(607) 324-1210

Key project documents and project summary also are available on the NYSDEC website at:

<http://www.dec.ny.gov/chemical/851032.html>

Who to Contact

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

Project-Related Questions

Matthew King, Project Manager
NYSDEC
625 Broadway
Albany, NY 12233
(518) 402-7383
matthew.king@dec.ny.gov

Project-Related Health Questions

Wendy Kuehner
NYSDOH
Corning Tower
Empire State Plaza
Albany, NY 12233
beci@health.ny.gov

For more information about New York's State Superfund Program, visit:

www.dec.ny.gov/chemical/8439.html

Cleanup Action to Begin at Manufactured Gas Plant Site

Action is about to begin that will address contamination related to the Hornell Former Manufactured Gas Plant (MGP) site ("site") located at 1 Canisteo Square, Hornell, Steuben County under New York's MGP Program. Please see the map for the site location. The cleanup activities will be performed by National Fuel Gas Corporation ("remedial party") with oversight provided by the New York State Department of Environmental Conservation (NYSDEC).

Remedial activities are expected to begin in September 2020, and last about 6 months. The estimated cost to implement the remedy is \$4,210,000. The site is listed as a Class "2" site in the State Registry of Inactive Hazardous Waste Sites (list of State Superfund sites). A Class 2 site represents a significant threat to public health or the environment; action is required.

- Access project documents online through the DECinfo Locator: <https://www.dec.ny.gov/data/DecDocs/851032/>.
- Documents also are available at the location(s) identified at left under "Where to find information."

Highlights of the Upcoming Cleanup Activities: The goal of the cleanup action for the site is to achieve cleanup levels that protect public health and the environment. The key components of the remedy are:

- Excavation and off-site disposal of all affected on-site soils to a depth of approximately 10 feet. All former MGP building and foundation structures will be excavated and removed. In total, approximately 6,500 cubic yards of contaminated soil will be removed.
- In-Situ Solidification (ISS) will be implemented in an area of approximately 0.45 acre. ISS is a process that binds the soil particles in place, using cement, creating a low permeability mass. The ISS treatment area will extend to a depth of 21 feet below ground surface (bgs), with a few areas extending as deep as 23 and 26 feet bgs.
- Cover System - All areas will be restored to their existing grade following excavation and/or ISS treatment. Where soil cover is required over the ISS treatment area, it will consist of a minimum of 4 feet of clean soil, to protect the ISS mass from freeze/thaw cycles in the future. Elsewhere, a 1-foot clean soil cover system and demarcation layer shall be placed in areas not already covered by buildings, sidewalks and pavement to allow for continued commercial use of the site.
- Monitored Natural Attenuation (MNA) will be used to address any remaining contamination post remedy. Groundwater will be monitored for site-related contamination for up to 10 years. If contamination

MANUFACTURED GAS PLANT PROGRAM

in groundwater does not decline, additional active remediation will be proposed.

- An environmental easement will be placed on the property. The easement will limit the future use of the property to commercial and industrial use, restrict the use of groundwater and will require compliance with the Department approved Site Management Plan (SMP). A SMP will be developed, which includes details for maintaining the cover system and periodic review report submittals.

A site-specific health and safety plan (HASP) and a Community Air Monitoring Plan (CAMP) will be implemented during remediation activities. The HASP and CAMP establish procedures to protect on-site workers and residents and includes required air monitoring as well as dust and odor suppression measures.

Next Steps: After cleanup activities are completed, National Fuel will prepare a Final Engineering Report (FER). The FER will describe the cleanup activities completed and certify that cleanup requirements have been achieved or will be achieved.

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

Site Description: The Hornell former MGP site is located along Franklin Street, near the corner of Canisteo and Franklin Streets at the southwest side of the downtown area of Hornell, New York. The site is a vacant lot 1.82 acres in size, it is generally flat-lying and has no surficial water bodies. The site is zoned commercial and is adjacent to both residentially zoned and commercially zoned parcels.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's Environmental Site Remediation Database (by entering the site ID, 851032) at:

<http://www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=3>

Summary of the Investigation: The primary contaminant of concern at the site is coal tar. Coal tar is made up of PAHs (Polycyclic Aromatic Hydrocarbons) and BTEX (benzene, toluene, ethylbenzene and xylenes). PAHs were found in on-site soils at up to 39,000 parts per million (ppm) and BTEX was found at up to 1,060 ppm in soils. BTEX impacts to groundwater on-site were discovered at up to 5,980 parts per billion (ppb). PAHs were discovered in groundwater at up to 1,630 ppb on-site. There were no MGP impacts to soil vapor

or indoor air found on-site or in any of the structures bordering the site.

About the Manufactured Gas Plant Program: New York's MGP program oversees the investigation and cleanup of former manufactured gas plants (MGPs). The gas manufacturing process involved the heating of coal or petroleum products to produce a gas mixture. Once cooled and purified, the gas was distributed through a local pipeline network. The gas was used for heating and cooking in much the same way that natural gas is used today. In early years, the gas was also used for lighting in homes and streetlights.

NYSDEC has one of the most aggressive Manufactured Gas Plant (MGP) 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 MGP sites for which they may have responsibility. There are approximately 260 MGPs sites statewide and approximately 100 of these have been remediated over the years by the responsible utility under individual or multi-site consent orders or agreements between the utility and New York State.

For more information about the NYSDEC's MGP Program, visit:

<https://www.dec.ny.gov/chemical/8430.html>

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.

Stay Informed With DEC Delivers

Sign up to receive site updates by email:

www.dec.ny.gov/chemical/61092.html

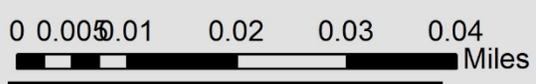
Note: Please disregard if you already have signed up and received this fact sheet electronically.

DECinfo Locator

Interactive map to access DEC documents and public data about the environmental quality of specific sites: <http://www.dec.ny.gov/pubs/109457.html>



Department of Environmental Conservation



Legend

-  Site Border
-  Area of Excavation

Site Location Map

Hornell Former MGP
851032
Hornell, NY