

(Fact Sheet Begins Next)

## Act Now to Continue Receiving Information About This Site!

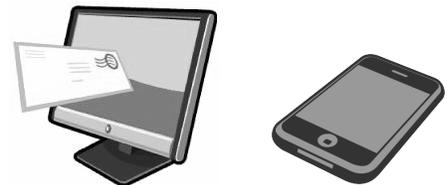
DEC's Division of Environmental Remediation (DER) now distributes information about contaminated sites *electronically by email*.

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](http://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

## Brownfield Cleanup Program

Poughkeepsie Water St. MGP  
North Water Street  
Poughkeepsie, NY 12601

**SITE No. C314070**  
**NYSDEC REGION 3**

**October 2020**

### Where to Find Information

Access project documents through the DECinfo Locator  
<https://www.dec.ny.gov/data/DecDocs/C314070/>

and at these location(s):

Adriance Memorial Library  
93 Market Street  
Poughkeepsie, NY 12601  
phone: (845) - 485 – 3445

### Who to Contact

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

#### Project-Related Questions

Douglas MacNeal, Project Manager  
NYSDEC  
625 Broadway 12<sup>th</sup> Floor  
Albany, NY 12233-7014  
(518) 402-9662  
[douglas.macneal@dec.ny.gov](mailto:douglas.macneal@dec.ny.gov)

#### Project-Related Health Questions

Kristin Kulow  
NYSDOH  
BEEI  
28 Hill St.  
Oneonta, NY 133820  
607-432-3911  
[bee@health.ny.gov](mailto:bee@health.ny.gov)

**For more information about New York's Brownfield Cleanup Program, visit:**  
[www.dec.ny.gov/chemical/8450.html](http://www.dec.ny.gov/chemical/8450.html)

## Pilot Test to Begin at Brownfield Site

Central Hudson Gas and Electric (CHG&E), BCP applicant, is about to begin a hydraulic dredging pilot test to inform the full-scale design of the in-river remediation for the Poughkeepsie Water Street Manufactured Gas Plant (MGP) site ("site") located on North Water Street, Poughkeepsie, Dutchess County. Please see the map for the planned pilot study area. Stringent oversight of the pilot test will be provided by the New York State Department of Environmental Conservation (DEC) to ensure the protection of Hudson River water quality while necessary remediation takes place. The pilot test activities are expected to begin this month, last approximately two months, and is estimated to cost CHG&E \$11 million.

- Access the work plans governing this work and other project documents online through the DECinfo Locator:  
<https://www.dec.ny.gov/data/DecDocs/C314070/>.
- The documents also are available at the location(s) identified at left under "Where to Find Information."

**Highlights of the Upcoming Pilot Test Activities:** The goal of the pilot test is to set up and operate all related equipment and processes to hydraulically dredge three small areas in the Hudson River, with differing subsurface characteristics. The test will include all associated water and solids handling, treatment and disposal. The test will begin in an area where no coal tar is present and, if successful, will proceed to lightly contaminated areas at the edge of the targeted area. The results of the pilot test will inform the effectiveness and feasibility of a designing and implementing a full-scale dredging program to remediate the contaminated sediments in the Hudson River in a manner that is protective of public health and the environment. The key components of the remedy are:

- Removal of coal tar impacted sediments through hydraulic dredging techniques;
- In-river water quality monitoring at the dredge site, as well as several locations and at varying depths between the dredge site and the Poughkeepsie Water Treatment Plant to ensure that site-related contamination is not reaching the water treatment plant;
- Determining the appropriate flow rates of the dredging unit which allows for adequate water/solids handling, treatment, discharge/disposal as appropriate;
- Use of a boom enclosure to contain contamination that may enter the water column;
- Use of a spotter on the Walkway over the Hudson in communication with the work crews who can advise if/when visible contamination appears in the water; and
- Use of response boats both within and outside of the enclosure to collect any contamination that may enter the water column.

# BROWNFIELD CLEANUP PROGRAM

**Next Steps:** After CHG&E completes these pilot test activities under DEC oversight, they will prepare a report documenting the results of the test and submit it to DEC.

If DEC is satisfied that the pilot test program has been successful, including effectiveness of dredging, water/solids handling/treatment/disposal, and monitoring and protection requirements, it will direct CHG&E to design a full-scale hydraulic dredging program. The full-scale design would be reviewed and approved by the DEC, in consultation with its other state and local partners, prior to full-scale implementation. If the pilot test is deemed unsuccessful, the applicant will be directed to re-evaluate the remedial approach.

**Site Description:** The approximately 13-acre on-site area is located at the southwest end of Dutchess Avenue in the city of Poughkeepsie. It is bounded by the Hudson River to the west, Dutchess Avenue to the north, North Water Street to the east, and Upper Landing Park to the south. The property is surrounded by residential and commercial properties. The off-site area is the bottom of the riverbank on the eastern side of the Hudson River in an area immediately adjacent to the site and extends approximately 1,000 feet to the north and 2,000 feet to the south (see attached map).

Historically, the site was used to manufacture gas for residential community usage and is currently used as a natural gas service center for CHG&E. 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.

The required remedial actions necessary to ensure the site is protective of human health and the environment were prescribed in the 2016 Decision Document. For the upland portion of the site, the remedy included the removal and off-site disposal of grossly contaminated soil, visual coal tar and non-aqueous phase liquid, underground MGP structures and piping; installation of a barrier wall along the River to prevent further coal tar migration to the river; coal tar recovery wells; in-situ-solidification in the vicinity of a natural gas pipeline where the barrier wall cannot be safely constructed; and placement of a site cover.

For the in-river portion of the remedy, the 2016 Decision

Document called for dredging coal tar contaminated sediments, where feasible, and capping of contaminated sediments in areas where dredging cannot be performed, such as utility crossings. In-river remediation areas will be restored to provide an appropriate habitat for benthic organisms.

After the active remediation is complete, there will be long-term monitoring maintenance of the remedy described in a site management plan and the use of the upland portion of the site will be limited with an environmental easement.

Additional site details, including environmental and health assessment summaries, are available on DEC's Environmental Site Remediation Database (by entering the site ID, C314070) at:

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

**Brownfield Cleanup Program:** New York's Brownfield Cleanup Program (BCP) encourages the voluntary cleanup of contaminated properties known as "brownfields" so that they can be reused and redeveloped. These uses include recreation, housing, business or other uses. A brownfield site is any real property where a contaminant is present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria or guidance adopted by DEC that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations.

For more information about the BCP, visit:  
<https://www.dec.ny.gov/chemical/8450.html>

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*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.*

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## Stay Informed With DEC Delivers

Sign up to receive site updates by email:  
[www.dec.ny.gov/chemical/61092.html](https://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: <https://www.dec.ny.gov/pubs/109457.html>

# BROWNFIELD CLEANUP PROGRAM

