

Former Metropolitan Works MGP (224046) Brooklyn, NY On-going Cleanup Activities

National Grid NY (“remedial party”) for the Former Metropolitan Works Manufactured Gas Plant site (“site”) located at 124-136 2nd Avenue, Brooklyn, New York has completed the remedial investigation at the Former Metropolitan Works Manufactured Gas Plant (MGP) site #224046 and is in the feasibility study phase of the program during which potential cleanup options will be evaluated.

Former Metropolitan Works MGP - Progress to Date

From 2001 through 2003, under the former Voluntary Cleanup Program (VCP), the eastern portion of the historic MGP and two adjacent parcels to the north (site number V00405) were investigated, and portions remediated, through excavation of the former oil tanks and Holders No. 1 through 3. During that excavation, significant amounts of associated contaminated soils up to 16 feet below ground surface (bgs) were removed. In addition, 45 non-aqueous phase liquid (NAPL) recovery wells were installed along 12th Street and perpendicular to 12th, northeast of Hamilton Place. Recovery from productive wells has resulted in approximately 700 gallons of NAPL removal from the site. At present, three recovery wells continue to collect NAPL.

Product recovery has and will continue to be performed under the long-term Operation, Monitoring and Maintenance (OM&M) Plan and Soil Management Plan, which are part of the Site Management Plan (SMP) developed for the VCP site.

A SMP is an important and required remedial element that is prepared for all sites in New York State (NYS) that contain residual contamination requiring long-term management. SMPs include plans for institutional and engineering controls (IC/ECs), long-term operation, monitoring and maintenance (OM&M), and periodic reporting to NYS Department of Environmental Conservation (NYSDEC) and the NYS Department of Health (NYSDOH) to ensure a site’s remedy remains in place and functioning as designed to maintain long-term protection of human health and the environment.

A remedial investigation (RI) was performed on the remaining portions of the former MGP (site no. 224046) between 2010 and 2012, with a supplemental RI performed between 2017 and 2019. The primary contaminants of concern at the site are byproducts of the MGP process and include NAPL comprised of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

This material is an oily, viscous, dense liquid that does not readily mix with water. It can move through preferential pathways of higher conductivity (e.g., utility corridors, gravel seams) while acting as a source of VOC and SVOC contamination for soil and groundwater. In the central portion of the site, impacted soil was primarily found at depths between 8 to 16 feet bgs, near former Holder 4, with areas of deeper impacts up to 75 feet bgs.

Current Status

A Feasibility Study has been initiated to:

- 1) define the objectives of the site cleanup program;
- 2) develop, screen, and analyze cleanup alternatives; and
- 3) recommend a remedial alternative for implementation.

After the Feasibility Study, NYSDEC in consultation with NYSDOH will develop a "Proposed Remedial Action Plan" (PRAP) that describes the proposed remedy to address the remaining contamination related to the site. The PRAP will explain the basis for the proposed remedy by discussing each alternative and the rationale for selection or rejection of each of the alternatives. The plan must first ensure the protection of public health and the environment and conformance to applicable standards, criteria, and guidance, while also balancing long-term effectiveness, short-term impacts, reduction of toxicity, mobility and volume of contamination, implementability, land use, and costs, among other factors. NYSDEC will announce the availability of the PRAP in a future fact sheet and present it to the

public for review and comment during a 30-day comment period and at a public meeting.

As an interim remedial measure (IRM), NYSDEC has directed the remedial party to install a sealed bulkhead barrier wall in the area where the former MGP operated to curtail contaminant migration off-site into the canal, and to be protective of the United States Environmental Protection Agency's (USEPA's) Gowanus canal remedy. Site security fencing will be installed to prevent unauthorized access to the site during bulkhead work, which is anticipated to be completed in 2024. A Pre-Design Investigation (PDI) was recently completed to inform the bulkhead design and to assure that it is installed in coordination with USEPA's efforts to install continuous bulkheads along the entirety of the canal prior to the canal remediation in this area.

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

It's quick, it's free, and it will help keep you informed. As a listserv member, you will periodically receive site-related information and announcements for all contaminated sites in your selected counties.

ADDITIONAL INFORMATION:

Project documents are made available at the Brooklyn Community Board #6250 Baltic Street Brooklyn, 12201 (718) 643-3027

If you cannot access the documents online, please contact the NYSDEC project manager listed on the front page for assistance.

Learn more about the Manufactured Gas Plant Program at: <https://www.dec.ny.gov/chemical/8430.html>

and State Superfund Program at: <https://www.dec.ny.gov/chemical/8439.html>

Who to Contact:
COMMENTS AND QUESTIONS ARE ALWAYS WELCOME:

Please direct these questions to the following contacts:

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FOR MORE INFORMATION ABOUT MGPs:
<https://www.dec.ny.gov/chemical/8430.html>

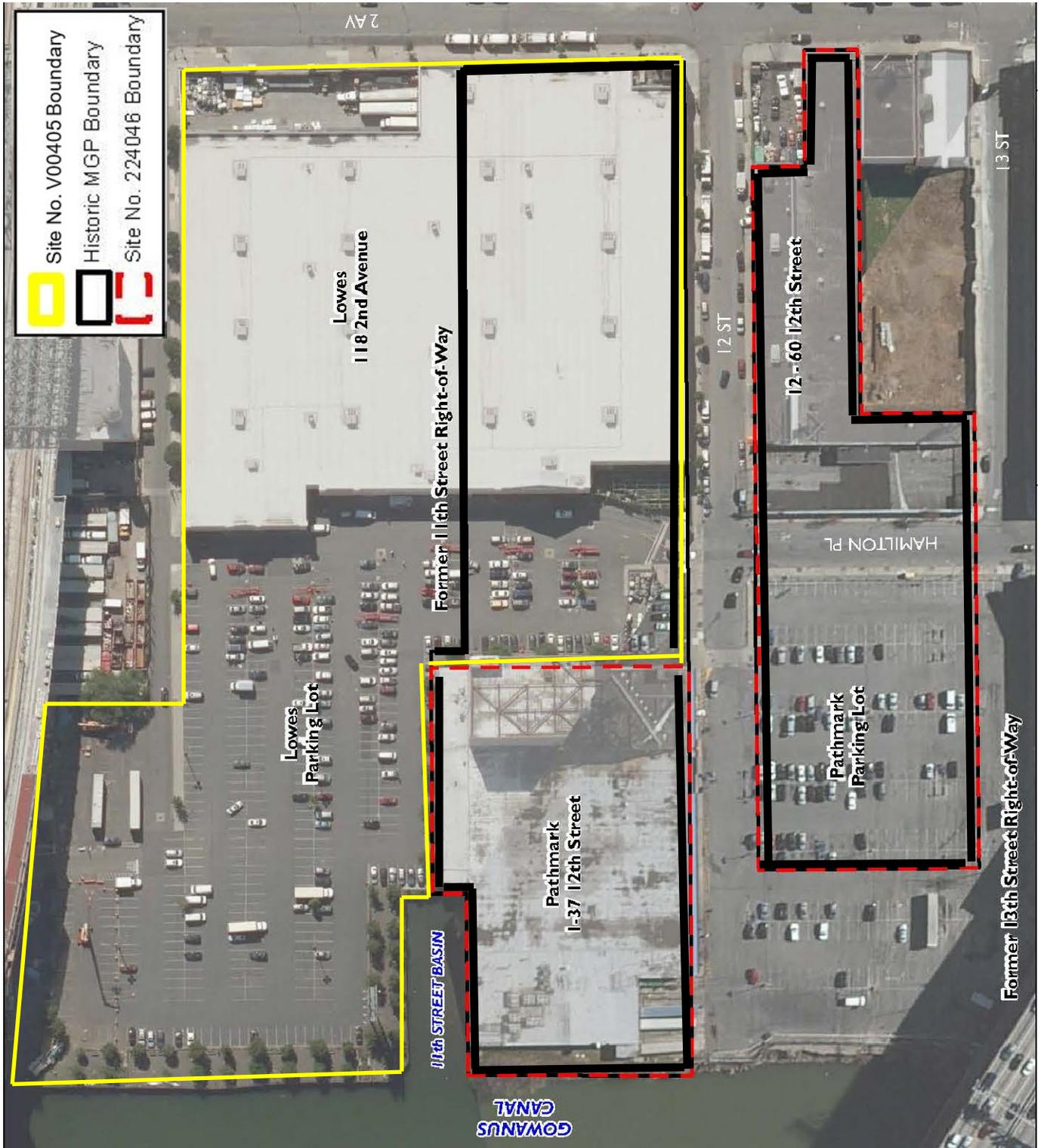
Key project documents are available on the National Grid Site at:

<http://www.metropolitanmgpsite.com>

or

<https://www.dec.ny.gov/data/DecDocs/224047>

Site Location Figure Former Metropolitan Works MGP site (224046)



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