

Mr. Patrick Van Rossem
National Grid
175 East Old Country Road
Hicksville, New York 11801

Date: February 19, 2025
Our Ref: 30202919.00001
Subject: Fall 2024 Post-Remediation Groundwater Monitoring Report
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

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Dear Mr. Van Rossem,

This letter has been prepared by Arcadis of New York, Inc. (Arcadis), on behalf of The Brooklyn Union Gas Company d/b/a National Grid NY ("National Grid"), to present the scope and results of the fall 2024 post-remediation groundwater monitoring event for the former Citizens Gas Works manufactured gas plant (MGP) site (hereinafter, the "Site") in Brooklyn, New York (Figure 1). The fall 2024 monitoring event represents the sixth round of groundwater monitoring conducted by National Grid following the completion of the remediation work for Block 471, Lot 1 (hereinafter, "Parcel I"), Block 471, Lot 100 (hereinafter, "Parcel II"), and Block 471, Lot 200 (hereinafter, "Parcel III"; also referred to as the "459 Smith Street" site) in April 2022 in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved *100% Remedial Design Report* (Arcadis 2017). Post-remediation groundwater monitoring is being conducted in accordance with the revised *Draft Interim Site Management Plan* for Parcels I and II (Arcadis 2023a) and *Draft Interim Site Management Plan* for Parcel III (Arcadis 2023b) to: (1) monitor changes in groundwater elevations and flow directions resulting from the installation of the sealed bulkhead barrier wall on Parcels II and III of the Site, as well as future activities and conditions unrelated to the remedy for Parcels I, II, and III of the Site (e.g., property redevelopment, bulkhead installation and remediation work associated with the Gowanus Canal Superfund Site, climate change, etc.); (2) monitor the stability of the impacted groundwater plume associated with the Site; and (3) assess the effectiveness of the remedy at reducing residual dissolved-phase concentrations of the MGP-related constituents of concern in groundwater.

As further described below, the fall 2024 field activities were conducted between September 26 and December 18, 2024, and generally included the collection of synoptic rounds of groundwater level measurements and the collection and analysis of groundwater samples from certain accessible piezometers and monitoring wells at the Site and in the adjacent portion of the off-Site area located on the west side of the Gowanus Canal. The Site-related piezometers and monitoring wells are shown on Figure 2. Piezometer and monitoring well construction details are summarized in Table 1.

Finally, it should be noted that National Grid made attempts, but was unable to secure access to Block 468, Lot 25 (hereinafter, “Parcel IV”) to gauge and sample existing monitoring wells CGMW-05S and CGMW-05I for the fall 2024 post-remediation groundwater monitoring event. National Grid will continue to coordinate with the Parcel IV property owner in an effort to secure access for future post-remediation groundwater monitoring events, as well as the implementation of the NYSDEC-approved *Supplemental Soil Investigation Work Plan for Parcel IV* (Arcadis 2021). Continued NYSDEC assistance in this regard will likely be required.

Field Activities

Groundwater Level Measurements

Synoptic rounds of groundwater level measurements were collected on September 26, 2024 (low tide and high tide), and December 18, 2024 (high tide and low tide), from the accessible piezometers and monitoring wells at the Site and in the adjacent portion of the off-Site area located on the west side of the Gowanus Canal. The groundwater level measurements collected in September and December 2024 are summarized in Table 2. It should be noted that monitoring well CGMW-23 (Nelson Street right-of-way) appears to have been paved over at some point between October 4, 2024 (when it was sampled, as summarized below), and the December 18, 2024, gauging event. Figures 3A, 4A, and 5A present the interpolated low tide shallow, intermediate, and deep zone¹ groundwater contours, respectively, for September 26, 2024. Figures 3B, 4B, and 5B present the interpolated high tide shallow, intermediate, and deep zone groundwater contours, respectively, for September 26, 2024. It should be noted that it appears that monitoring well CGMW-23 (Nelson Street right-of-way) was paved over

Groundwater Sample Collection and Analysis

Groundwater samples were collected between September 30 and October 23, 2024, using low-flow purging and sampling techniques from: (1) piezometers CGPZ-07 through CGPZ-10 and CGPZ-12; and (2) monitoring wells CGMW-01S², CGMW-01I, CGMW-01D, CGMW-12, CGMW-15 (-CH1S, -CH5I, and -CH6D), CGMW-17 (-CH2S, -CH4I, -CH6D), CGMW-18 (-CH2S and -CH6I), CGMW-23, CGMW-25R, CGMW-34I, CGMW-35 through CGMW-39, CGMW-44, CGMW-46 through CGMW-49, CGMW-51S, CGMW-52S, CGMW-52I, CGMW-53I, CGMW-54, CGMW-55S, CGMW-55I, CGMW-56, CGMW-58, CGMW-59, CGMW-60, CGMW-61D, CGMW-62I, CGMW-62D, CGMW-63, CGMW-64I, CGMW-64D, CGMW-65S, CGMW-65I, CGMW-65D, CGMW-66I, CGMW-66D, CGMW-67S, and CGMW-67I (Figure 2). Field parameters measured during purging and immediately prior to sampling are presented on the groundwater sampling logs included in Attachment A. Samples were not collected from

¹ As described in the *Final Remedial Investigation Report* (GEI Consultants, Inc. 2005), the shallow zone generally extends from the water table (approximately elevation 16.0 feet to approximately elevation -2.0 feet relative to the North American Vertical Datum of 1988 [NAVD88]) to the bottom of the discontinuous alluvial/marsh deposits (approximately elevation -10.0 feet to approximately elevation -24.0 feet NAVD88), the intermediate zone generally extends from the bottom of the discontinuous alluvial/marsh deposits (approximately elevation -10.0 feet to approximately elevation -24.0 feet NAVD88) to the bottom of the discontinuous glacial silt and glacial clay layers (approximately elevation -90.0 feet NAVD88), and the deep zone generally extends from the bottom of the discontinuous glacial silt and glacial clay layers (approximately elevation -90.0 feet NAVD88) to the vertical extent of subsurface exploration at the Site (approximately elevation -135.0 feet NAVD88).

² Monitoring well CGMW-01S was inadvertently sampled twice – once on September 30, 2024, and again on October 1, 2024. The results for both samples are summarized in Table 3.

piezometer CGPZ-11 (Parcel III) and monitoring wells CGMW-34S (Parcel III), CGMW-40D (Parcel III), CGMW-41I (Parcel III), CGMW-42I (Parcel III), CGMW-43D (Parcel III), CGMW-50 (Parcel I), CGMW-51I (Parcel I), CGMW-53S (Parcel I), CGMW-57 (Parcel II), and CGMW-61I (Huntington Street right-of-way) due to the presence of non-aqueous phase liquid in those wells. Monitoring well CGMW-60 (Huntington Street right-of-way) was also inaccessible beneath parked cars during the monitoring event and could not be sampled. Finally, access could not be obtained to Parcel IV of the Site in order to sample existing monitoring wells CGMW-05S and CGMW-05I.

Each groundwater sample was analyzed by Eurofins Lancaster Laboratories Environment Testing, LLC for the following MGP-related constituents of concern³:

- Benzene, toluene, ethylbenzene, xylenes (collectively, “BTEX”) in accordance with United States Environmental Protection Agency (USEPA) SW-846 Method 8260D;
- Polycyclic aromatic hydrocarbons (PAHs), consisting of acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and pyrene, in accordance with USEPA SW-846 Method 8270E; and
- Total cyanide in accordance with USEPA SW-846 Method 9012B.

It should be noted that the groundwater samples collected from the monitoring wells on Parcels I and II of the Site (CGMW-01S, CGMW-01I, CGMW-01D, CGMW-48, CGMW-49, CGMW-51S, CGMW-52S, CGMW-52I, CGMW-53I, CGMW-54, CGMW-55S, CGMW-55I, and CGMW-56) were also analyzed for several additional parameters in accordance with the *Supplemental Groundwater Sampling Work Plan for Parcels I and II* (Arcadis 2024c). The results of those additional analyses were presented in the *Supplemental Groundwater Sampling Report for Parcels I and II* (Arcadis 2025).

The fall 2024 post-remediation groundwater sample results are summarized in Table 3. Table 3 also identifies the available New York State Class GA ambient water quality standards and guidance values from the NYSDEC Division of Water’s Technical and Operational Guidance Series 1.1.1, titled *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (NYSDEC 1998). Sample concentrations that exceed the applicable New York State Class GA ambient water quality standards or guidance values are shaded gray. Table 4 summarizes the sample results for all of the post-remediation sampling rounds (baseline [winter/spring 2022], fall 2022, spring 2023, fall 2023, spring 2024, and fall 2024). Figures 3A and 3B, 4A and 4B, and 5A and 5B summarize the fall 2024 post-remediation groundwater sample results for the shallow, intermediate, and deep zone groundwater monitoring wells, respectively.

The laboratory analytical reports and data usability summary reports for the fall 2024 post-remediation groundwater sample data are provided in Attachments B and C, respectively⁴. As described in the data usability summary reports, all of the data are considered usable.

³ Monitoring well CGMW-17-CH2S (Smith Street right-of-way) ran dry during purging and did not recharge sufficiently to collect the sample volumes required for the PAHs and total cyanide analyses. As a result, the groundwater sample collected from this monitoring well was only analyzed for BTEX.

⁴ The laboratory analytical reports and data usability summary reports for the groundwater samples collected from the monitoring wells on Parcels I and II of the Site also include the data for the supplemental analyses performed in accordance with the *Supplemental Groundwater Sampling Work Plan for Parcels I and II* (Arcadis 2024c).

Summary of Results

Post-remediation groundwater elevations and interpolated flow directions at the Site remain generally consistent with pre-remediation conditions. Groundwater in the shallow zone continues to flow radially from the pre-existing groundwater mound in the area of the former gas holders on Parcel I of the Site and, more generally, towards the Gowanus Canal (Figures 3A and 3B). The groundwater flow direction in the intermediate zone (Figures 4A and 4B) and deep zone (Figures 5A and 5B) is generally to the southeast (towards the Gowanus Canal) and southwest (towards Upper New York Harbor), respectively.

As indicated in Table 4, the fall 2024 post-remediation groundwater sample results were generally consistent with those of the previous post-remediation sampling rounds (Arcadis 2022, 2023c, 2023e, 2024a, and 2024b). As shown on Figures 3A and 3B, dissolved-phase concentrations of BTEX, PAHs, and total cyanide in shallow zone groundwater were less than the applicable New York State Class GA ambient water quality standards or guidance values in the samples collected from piezometers CGPZ-07 through CGPZ-10 (Parcel II) and CGPZ-12 (Parcel III) and monitoring wells CGMW-12 (4th Street right-of-way), CGMW-23 (Nelson Street right-of-way), CGMW-25R (4th Place right-of-way), CGMW-36 (Parcel III), CGMW-37 (Parcel III), CGMW-38 (Parcel III), CGMW-44 (9th Street right-of-way), CGMW-46 (Garnet Street right-of-way), CGMW-47 (Centre Street right-of-way), CGMW-48 (Parcel I), CGMW-51S (Parcel I), CGMW-56 (Parcel II), CGMW-63 (Luquer Street right-of-way), and CGMW-67S (3rd Street right-of-way). Further, concentrations at monitoring wells CGMW-15-CH1S (Parcel III), CGMW-39 (Parcel III), CGMW-49 (Parcel I), CGMW-54 (Parcel II), CGMW-59 (Parcel III), and CGMW-65S (Hoyt Street right-of-way) were only marginally greater than the applicable New York State Class GA ambient water quality standards or guidance values. Dissolved-phase concentrations of BTEX, PAHs, and total cyanide in shallow zone groundwater were less than the applicable New York State Class GA ambient water quality standards or guidance values along the: (1) southeastern boundary and a portion of the northeastern boundary of Parcel I (monitoring wells CGMW-51S and CGMW-48); (2) eastern and southern boundaries of Parcel II (monitoring well CGMW-56 and piezometers CGPZ-07 through CGPZ-10); and (3) portions of the western and southern boundaries of Parcel III (monitoring wells CGMW-37 and CGMW-38 and piezometer CGPZ-12).

In intermediate zone groundwater, dissolved-phase concentrations of BTEX, PAHs, and total cyanide were less than the applicable New York State Class GA ambient water quality standards or guidance values at off-Site monitoring wells CGMW-62I (Nelson Street right-of-way), CGMW-64I (Luquer Street right-of-way), and CGMW-66I (4th Street right-of-way; Figures 4A and 4B). Further, concentrations at on-Site monitoring well CGMW-15-CH5I (Parcel III) were only marginally greater than the applicable New York State Class GA ambient water quality standards or guidance values.

As shown on Figures 5A and 5B, dissolved-phase concentrations of BTEX, PAHs, and total cyanide in deep zone groundwater were less than the applicable New York State Class GA ambient water quality standards or guidance values at on-Site monitoring wells CGMW-01D (Parcel I) and CGMW-15-CH6D (Parcel III) and at off-Site monitoring wells CGMW-61D (Huntington Street right-of-way), CGMW-62D (Nelson Street right-of-way), CGMW-64D (Luquer Street right-of-way), CGMW-65D (Hoyt Street right-of-way), and CGMW-66D (4th Street right-of-way). In addition, at the remaining deep zone monitoring well – namely, off-Site monitoring well CGMW-17-CH6D (Smith Street right-of-way) – benzene and ethylbenzene were the only parameters detected at concentrations greater than the applicable New York State Class GA ambient water quality standards.

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In summary, the overall extent of the impacted groundwater plume associated with the Site remains relatively stable, with dissolved-phase concentrations of MGP-related constituents of concern generally attenuating to below New York State Class GA ambient water quality standards within the limits of the Site itself or within approximately 200 feet to the northeast, northwest, west, and southwest of the Site. There remains no complete exposure pathway to impacted groundwater, where present, at the Site and in the off-Site area for the public and off-Site property owners. As indicated in the *Updated Qualitative Human Health Exposure Assessment Report for Parcels I, II, and III* (Arcadis 2023d), the Site properties will continue to be served by public water supply (sourced from surface waters in upstate New York), and the future environmental easements for Parcels I, II, and III, which are required by the NYSDEC-selected remedy (NYSDEC 2007), will prohibit the use of groundwater underlying the Site without necessary water quality treatment to render it safe for use as drinking water or for industrial purposes. The off-Site area surrounding the Site is served by public water supply (groundwater is not used for drinking water or for industrial purposes) and shallow zone groundwater is generally located approximately 20 feet or more below ground surface to the northeast, northwest, and west of the Site.

The next post-remediation groundwater monitoring event is anticipated to be conducted in spring 2025. As indicated above, National Grid will continue to coordinate with the Parcel IV property owner in an effort to secure access for the activities on that property. Continued NYSDEC assistance is likely necessary to obtain that access.

Please let me know if you have any questions regarding the information presented herein.

Sincerely,
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February 19, 2025

Enclosures:

Tables:

- Table 1. Piezometer and Monitoring Well Construction Summary
- Table 2. Summary of Measured Groundwater Depths and Elevations
- Table 3. Summary of Fall 2024 Post-Remediation Groundwater Sample Data
- Table 4. Summary of Post-Remediation Groundwater Sample Data

Figures:

- Figure 1. Site Location Map
- Figure 2. Piezometer and Monitoring Well Plan
- Figure 3A. Low Tide Shallow Zone Groundwater Contour Map for September 26, 2024, and Fall 2024 Shallow Zone Groundwater Sample Results
- Figure 3B. High Tide Shallow Zone Groundwater Contour Map for September 26, 2024, and Fall 2024 Shallow Zone Groundwater Sample Results
- Figure 4A. Low Tide Intermediate Zone Groundwater Contour Map for September 26, 2024, and Fall 2024 Intermediate Zone Groundwater Sample Results
- Figure 4B. High Tide Intermediate Zone Groundwater Contour Map for September 26, 2024, and Fall 2024 Intermediate Zone Groundwater Sample Results
- Figure 5A. Low Tide Deep Zone Groundwater Contour Map for September 26, 2024, and Fall 2024 Deep Zone Groundwater Sample Results
- Figure 5B. High Tide Deep Zone Groundwater Contour Map for September 26, 2024, and Fall 2024 Deep Zone Groundwater Sample Results

Attachments:

- Attachment A. Low-Flow Groundwater Sampling Logs
- Attachment B. Laboratory Analytical Reports
- Attachment C. Data Usability Summary Reports

References:

- Arcadis. 2017. *100% Remedial Design Report*. Site Remediation, Former Citizens Gas Works MGP Site, Carroll Gardens/Public Place, Brooklyn, New York. Prepared for National Grid. November.
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- Arcadis. 2023a. *Draft Interim Site Management Plan*. Parcels I and II, Former Citizens Gas Works MGP Site, Brooklyn, New York. Prepared for National Grid. January 31.
- Arcadis. 2023b. *Draft Interim Site Management Plan*. Parcel III, Former Citizens Gas Works MGP Site, Brooklyn, New York. Prepared for National Grid. February 1.
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NYSDEC. 2007. *Voluntary Cleanup Program Decision Document*. Operable Unit 1, Former Citizens Gas Works MGP Site, Brooklyn, New York. Division of Environmental Remediation. April 23.

Tables

Table 1
Piezometer and Monitoring Well Construction Summary
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Location ID	Date Completed	Property or General Location	Easting (feet NAD83)	Northing (feet NAD83)	Ground Surface Elevation (feet NAVD88)	Measuring Point Elevation (feet NAVD88)	Casing Type	Screen Type	Nominal Diameter (inches)	Screen Slot Size (inches)	Screen Length (feet)	Screened Zone ³	Screened Interval				Sump Length (feet)	Total Depth (feet bgs)
													Depth (feet bgs)		Elevation (feet NAVD88)			
Piezometers																		
CGPZ-07	1/3/2022	Parcel II	632640.98	671637.46	7.96	7.12	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	13.00	Shallow	2.70 - 15.70	5.26 - -7.74	0.00	15.70		
CGPZ-08	1/5/2022	Parcel II	632460.59	671632.20	8.49	8.06	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	13.00	Shallow	2.00 - 15.00	6.49 - -6.51	0.00	15.00		
CGPZ-09	2/10/2022	Parcel II	632296.88	671583.22	11.22	10.77	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	13.00	Shallow	2.20 - 15.20	9.02 - -3.98	0.00	15.20		
CGPZ-10	2/16/2022	Parcel II	632191.75	671522.28	12.11	11.86	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	13.00	Shallow	2.30 - 15.30	9.81 - -3.19	0.00	15.30		
CGPZ-11	11/17/2021	Parcel III	632056.85	671379.40	9.91	9.34	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	13.00	Shallow	2.00 - 15.00	7.91 - -5.09	0.00	15.00		
CGPZ-12	11/17/2021	Parcel III	631944.06	671216.52	9.95	9.55	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	13.00	Shallow	2.90 - 15.90	7.05 - -5.95	0.00	15.90		
CGPZ-42S	1/11/2010	Parcel III	631946.55	671524.58	16.28	18.18	Sch. 40 PVC	Sch. 40 PVC	1.00	0.010	10.00	Shallow	13.92 - 23.92	2.36 - -7.64	0.00	23.92		
Monitoring Wells																		
CGMW-01S	NA	Parcel I	631802.20	672022.94	29.82	29.35	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	28.21 - 38.21	1.61 - -8.39	2.00	40.21		
CGMW-01I	NA	Parcel I	631796.71	672020.77	30.02	29.64	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	74.35 - 84.35	-44.33 - -54.33	2.00	86.35		
CGMW-01D	5/12/2003	Parcel I	631798.85	672027.57	30.06	29.72	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Deep	126.47 - 136.47	-96.41 - -106.41	2.00	138.47		
CGMW-05S	NA	Parcel IV	632221.50	672046.60	26.10	25.68	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	25.00 - 35.00	1.10 - -8.90	2.00	37.00		
CGMW-05I	4/2/2003	Parcel IV	632216.53	672051.80	26.40	26.14	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	54.00 - 64.00	-27.60 - -37.60	2.00	66.00		
CGMW-12	12/16/2004	4th Street ROW	632686.50	671816.94	9.91	9.49	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	8.60 - 18.60	1.31 - -8.69	2.00	20.60		
CGMW-15 CH1	1/10/2005	Parcel III	631554.08	671371.53	17.50	17.38	PE CMT	SS Mesh	0.44	NA	0.25	Shallow	22.20 - 22.45	-4.70 - -4.95	0.00	22.45		
CGMW-15 CH2	1/10/2005	Parcel III	631554.08	671371.53	17.50	17.38	PE CMT	SS Mesh	0.44	NA	0.25	--	NA - NA	NA - NA	0.00	NA		
CGMW-15 CH3	1/10/2005	Parcel III	631554.08	671371.53	17.50	17.38	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	34.90 - 35.15	-17.40 - -17.65	0.00	35.15		
CGMW-15 CH4	1/10/2005	Parcel III	631554.08	671371.53	17.50	17.38	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	59.03 - 59.28	-41.53 - -41.78	0.00	59.28		
CGMW-15 CH5	1/10/2005	Parcel III	631554.08	671371.53	17.50	17.38	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	69.03 - 69.28	-51.53 - -51.78	0.00	69.28		
CGMW-15 CH6	1/10/2005	Parcel III	631554.08	671371.53	17.50	17.38	PE CMT	SS Mesh	0.44	NA	0.25	Deep	131.24 - 131.49	-113.74 - -113.99	0.00	131.49		
CGMW-15 CH7	1/10/2005	Parcel III	631554.08	671371.53	17.50	17.38	PE CMT	SS Mesh	0.38	NA	0.25	Deep	147.14 - 147.39	-129.64 - -129.89	0.00	147.39		
CGMW-16 CH1	1/24/2005	65 6th Street	632494.23	671280.76	7.25	7.20	PE CMT	SS Mesh	0.44	NA	0.25	Shallow	12.04 - 12.29	-4.79 - -5.04	0.00	12.29		
CGMW-16 CH2	1/24/2005	65 6th Street	632494.23	671280.76	7.25	7.20	PE CMT	SS Mesh	0.44	NA	0.25	Shallow	18.04 - 18.29	-10.79 - -11.04	0.00	18.29		
CGMW-16 CH3	1/24/2005	65 6th Street	632494.23	671280.76	7.25	7.20	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	29.08 - 29.33	-21.83 - -22.08	0.00	29.33		
CGMW-16 CH4	1/24/2005	65 6th Street	632494.23	671280.76	7.25	7.20	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	48.16 - 48.41	-40.91 - -41.16	0.00	48.41		
CGMW-16 CH5	1/24/2005	65 6th Street	632494.23	671280.76	7.25	7.20	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	68.93 - 69.18	-61.68 - -61.93	0.00	69.18		
CGMW-16 CH6	1/24/2005	65 6th Street	632494.23	671280.76	7.25	7.20	PE CMT	SS Mesh	0.44	NA	0.25	Deep	122.16 - 122.41	-114.91 - -115.16	0.00	122.41		
CGMW-16 CH7	1/24/2005	65 6th Street	632494.23	671280.76	7.25	7.20	PE CMT	SS Mesh	0.38	NA	0.25	Deep	140.06 - 140.31	-132.81 - -133.06	0.00	140.31		
CGMW-17 CH1	1/28/2005	Smith Street ROW	631626.77	671710.89	22.50	22.22	PE CMT	SS Mesh	0.44	NA	0.25	Shallow	16.73 - 16.98	5.77 - 5.52	0.00	16.98		
CGMW-17 CH2	1/28/2005	Smith Street ROW	631626.77	671710.89	22.50	22.22	PE CMT	SS Mesh	0.44	NA	0.25	Shallow	27.14 - 27.39	-4.64 - -4.89	0.00	27.39		
CGMW-17 CH3	1/28/2005	Smith Street ROW	631626.77	671710.89	22.50	22.22	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	34.22 - 34.47	-11.72 - -11.97	0.00	34.47		
CGMW-17 CH4	1/28/2005	Smith Street ROW	631626.77	671710.89	22.50	22.22	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	74.34 - 74.59	-51.84 - -52.09	0.00	74.59		
CGMW-17 CH5	1/28/2005	Smith Street ROW	631626.77	671710.89	22.50	22.22	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	84.14 - 84.39	-61.64 - -61.89	0.00	84.39		
CGMW-17 CH6	1/28/2005	Smith Street ROW	631626.77	671710.89	22.50	22.22	PE CMT	SS Mesh	0.44	NA	0.25	Deep	124.34 - 124.59	-101.84 - -102.09	0.00	124.59		
CGMW-17 CH7	1/28/2005	Smith Street ROW	631626.77	671710.89	22.50	22.22	PE CMT	SS Mesh	0.38	NA	0.25	Deep	137.34 - 137.59	-114.84 - -115.09	0.00	137.59		
CGMW-18 CH1	2/3/2005	Hoyt Street ROW	632393.48	671912.07	14.63	14.35	PE CMT	SS Mesh	0.44	NA	0.25	Shallow	13.40 - 13.65	1.23 - 0.98	0.00	13.65		
CGMW-18 CH2	2/3/2005	Hoyt Street ROW	632393.48	671912.07	14.63	14.35	PE CMT	SS Mesh	0.44	NA	0.25	Shallow	22.40 - 22.65	-7.77 - -8.02	0.00	22.65		
CGMW-18 CH3	2/3/2005	Hoyt Street ROW	632393.48	671912.07	14.63	14.35	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	30.41 - 30.66	-15.78 - -16.03	0.00	30.66		
CGMW-18 CH4	2/3/2005	Hoyt Street ROW	632393.48	671912.07	14.63	14.35	PE CMT	SS Mesh	0.44	NA	0.25	Shallow	13.40 - 13.65	1.23 - 0.98	0.00	13.65		
CGMW-18 CH5	2/3/2005	Hoyt Street ROW	632393.48	671912.07	14.63	14.35	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	55.41 - 55.66	-40.78 - -41.03	0.00	55.66		
CGMW-18 CH6	2/3/2005	Hoyt Street ROW	632393.48	671912.07	14.63	14.35	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	70.56 - 70.81	-55.93 - -56.18	0.00	70.81		
CGMW-18 CH7	2/3/2005	Hoyt Street ROW	632393.48	671912.07	14.63	14.35	PE CMT	SS Mesh	0.38	NA	0.25	Intermediate	77.41 - 77.66	-62.78 - -63.03	0.00	77.66		

Table 1
Piezometer and Monitoring Well Construction Summary
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Location ID	Date Completed	Property or General Location	Easting (feet NAD83)	Northing (feet NAD83)	Ground Surface Elevation (feet NAVD88)	Measuring Point Elevation (feet NAVD88)	Casing Type	Screen Type	Nominal Diameter (inches)	Screen Slot Size (inches)	Screen Length (feet)	Screened Zone ³	Screened Interval		Sump Length (feet)	Total Depth (feet bgs)		
													Depth (feet bgs)	Elevation (feet NAVD88)				
Monitoring Wells (continued)																		
CGMW-19 CH1	2/7/2005	56 2nd Avenue	632365.50	670895.90	8.50	8.25	PE CMT	SS Mesh	0.44	NA	0.25	Shallow	10.60	- 10.85	-2.10	- -2.35	0.00	10.85
CGMW-19 CH2	2/7/2005	56 2nd Avenue	632365.50	670895.90	8.50	8.25	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	23.59	- 23.84	-15.09	- -15.34	0.00	23.84
CGMW-19 CH3	2/7/2005	56 2nd Avenue	632365.50	670895.90	8.50	8.25	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	30.65	- 30.90	-22.15	- -22.40	0.00	30.90
CGMW-19 CH4	2/7/2005	56 2nd Avenue	632365.50	670895.90	8.50	8.25	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	74.60	- 74.85	-66.10	- -66.35	0.00	74.85
CGMW-19 CH5	2/7/2005	56 2nd Avenue	632365.50	670895.90	8.50	8.25	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	84.60	- 84.85	-76.10	- -76.35	0.00	84.85
CGMW-19 CH6	2/7/2005	56 2nd Avenue	632365.50	670895.90	8.50	8.25	PE CMT	SS Mesh	0.44	NA	0.25	Deep	115.60	- 115.85	-107.10	- -107.35	0.00	115.85
CGMW-19 CH7	2/7/2005	56 2nd Avenue	632365.50	670895.90	8.50	8.25	PE CMT	SS Mesh	0.38	NA	0.25	Deep	116.60	- 116.85	-108.10	- -108.35	0.00	116.85
CGMW-22 CH1	3/30/2005	37 9th Street	631973.28	671002.23	6.05	5.57	PE CMT	SS Mesh	0.44	NA	0.25	Shallow	11.73	- 11.98	-5.68	- -5.93	0.00	11.98
CGMW-22 CH2	3/30/2005	37 9th Street	631973.28	671002.23	6.05	5.57	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	27.80	- 28.05	-21.75	- -22.00	0.00	28.05
CGMW-22 CH3	3/30/2005	37 9th Street	631973.28	671002.23	6.05	5.57	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	39.78	- 40.03	-33.73	- -33.98	0.00	40.03
CGMW-22 CH4	3/30/2005	37 9th Street	631973.28	671002.23	6.05	5.57	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	51.89	- 52.14	-45.84	- -46.09	0.00	52.14
CGMW-22 CH5	3/30/2005	37 9th Street	631973.28	671002.23	6.05	5.57	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	63.90	- 64.15	-57.85	- -58.10	0.00	64.15
CGMW-22 CH6	3/30/2005	37 9th Street	631973.28	671002.23	6.05	5.57	PE CMT	SS Mesh	0.44	NA	0.25	Intermediate	81.83	- 82.08	-75.78	- -76.03	0.00	82.08
CGMW-22 CH7	3/30/2005	37 9th Street	631973.28	671002.23	6.05	5.57	PE CMT	SS Mesh	0.38	NA	0.25	Intermediate	96.83	- 97.08	-90.78	- -91.03	0.00	97.08
CGMW-23	6/7/2006	Nelson Street ROW	631427.99	671647.76	24.72	24.32	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	17.28	- 27.28	7.44	- -2.56	0.00	27.28
CGMW-25R	2/3/2022	4th Place ROW	631611.68	672157.11	38.54	38.37	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	36.20	- 46.20	2.34	- -7.66	2.00	48.20
CGMW-29	6/9/2006	7th Street ROW	632988.95	670748.65	9.02	8.65	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	3.09	- 13.09	5.93	- -4.07	0.00	13.09
CGMW-32	6/6/2006	9th Street ROW	632060.43	670721.71	5.88	5.52	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	2.64	- 12.64	3.24	- -6.76	0.00	12.64
CGMW-34S	11/3/2009	Parcel III	631917.98	671456.58	16.46	17.91	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	12.76	- 22.76	3.70	- -6.30	2.00	24.76
CGMW-34I	11/4/2009	Parcel III	631925.32	671453.66	16.48	16.29	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	51.38	- 61.38	-34.90	- -44.90	2.00	63.38
CGMW-35	11/10/2009	Parcel III	631817.58	671578.64	16.46	16.26	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	7.46	- 17.46	9.00	- -1.00	2.00	19.46
CGMW-36	12/2/2009	Parcel III	631781.24	671478.52	16.59	16.29	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	5.97	- 15.97	10.62	- 0.62	2.00	17.97
CGMW-37	11/6/2009	Parcel III	631669.24	671620.23	16.58	16.58	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	5.38	- 15.38	11.20	- 1.20	2.00	17.38
CGMW-38	11/10/2009	Parcel III	631634.63	671518.34	15.19	17.48	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	4.79	- 14.79	10.40	- 0.40	2.00	16.79
CGMW-39	1/22/2010	Parcel III	631681.61	671314.32	15.71	15.28	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	9.61	- 19.61	6.10	- -3.90	2.00	21.61
CGMW-40D	12/1/2009	Parcel III	631819.79	671336.35	17.72	17.16	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	94.65	- 104.65	-76.93	- -86.93	2.00	106.65
CGMW-41I	1/9/2010	Parcel III	631885.64	671253.53	16.44	15.83	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	51.22	- 61.22	-34.78	- -44.78	2.00	63.22
CGMW-42I	1/11/2010	Parcel III	631946.53	671524.61	16.28	18.20	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	34.92	- 44.92	-18.64	- -28.64	2.00	46.92
CGMW-43D	1/14/2010	Parcel III	631789.44	671287.15	17.61	17.13	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	85.71	- 95.71	-68.10	- -78.10	2.00	97.71
CGMW-44	11/20/2012	9th Street ROW	631318.07	671129.74	14.78	14.36	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	9.92	- 19.92	4.86	- -5.14	2.00	21.92
CGMW-46	5/20/2013	Garnet Street ROW	631264.25	670880.67	11.20	10.86	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	8.92	- 18.92	2.28	- -7.72	0.00	18.92
CGMW-47	5/20/2013	Centre Street ROW	631193.76	670640.51	8.19	7.67	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	7.87	- 17.87	0.32	- -9.68	0.00	17.87
CGMW-48	1/18/2022	Parcel I	632000.69	671911.72	25.99	25.49	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	20.14	- 30.14	5.85	- -4.15	2.00	32.14
CGMW-49	1/24/2022	Parcel I	632170.96	671812.02	17.83	17.74	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	9.10	- 19.10	8.73	- -1.27	2.00	21.10
CGMW-50	1/19/2022	Parcel I	631748.11	671886.69	27.37	27.04	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	21.00	- 31.00	6.37	- -3.63	2.00	33.00
CGMW-51S	2/16/2022	Parcel I	632178.77	671643.56	12.60	12.17	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	6.10	- 16.10	6.50	- -3.50	2.00	18.10
CGMW-51I	2/17/2022	Parcel I	632172.08	671624.37	12.86	12.55	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	34.00	- 44.00	-21.14	- -31.14	2.00	46.00
CGMW-52S	1/20/2022	Parcel I	631705.52	671766.16	24.04	23.77	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	17.60	- 27.60	6.44	- -3.56	2.00	29.60
CGMW-52I	1/20/2022	Parcel I	631701.15	671755.23	23.91	23.19	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	70.20	- 80.20	-46.29	- -56.29	2.00	82.20
CGMW-53S	1/14/2022	Parcel I	631894.31	671614.24	19.91	19.64	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	8.20	- 18.20	11.71	- 1.71	2.00	20.20
CGMW-53I	1/14/2022	Parcel I	631880.70	671627.22	19.69	19.26	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	56.45	- 66.45	-36.76	- -46.76	2.00	68.45
CGMW-54	1/24/2022	Parcel II	632335.05	671751.18	11.41	10.95	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	3.20	- 13.20	8.21	- -1.79	2.00	15.20
CGMW-55S	1/25/2022	Parcel II	632510.82	671770.37	10.04	9.81	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	5.10	- 15.10	4.94	- -5.06	2.00	17.10
CGMW-55I	1/25/2022	Parcel II	632541.89	671758.17	9.26	9.00	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	55.95	- 65.95	-46.69	- -56.69	2.00	67.95
CGMW-56	1/25/2022	Parcel II	632682.06	671699.03	7.49	7.08	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	3.30	- 13.30	4.19	- -5.81	2.00	15.30

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Location ID	Date Completed	Property or General Location	Easting (feet NAD83)	Northing (feet NAD83)	Ground Surface Elevation (feet NAVD88)	Measuring Point Elevation (feet NAVD88)	Casing Type	Screen Type	Nominal Diameter (inches)	Screen Slot Size (inches)	Screen Length (feet)	Screened Zone ³	Screened Interval			Sump Length (feet)	Total Depth (feet bgs)
													Depth (feet bgs)		Elevation (feet NAVD88)		
Monitoring Wells (continued)																	
CGMW-57	1/13/2022	Parcel II	632393.14	671621.31	10.88	10.42	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	11.00 - 21.00	-0.12 - -10.12	2.00	23.00	
CGMW-58	1/19/2022	Parcel III	632159.69	671492.14	10.36	10.02	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	10.83 - 20.83	-0.47 - -10.47	2.00	22.83	
CGMW-59	1/18/2022	Parcel III	632039.45	671351.46	9.97	9.46	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	10.80 - 20.80	-0.83 - -10.83	2.00	22.80	
CGMW-60	3/14/2022	Huntington Street ROW	631812.79	671217.34	11.31	10.95	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	10.15 - 20.15	1.16 - -8.84	2.00	22.15	
CGMW-61I	10/20/2022	Huntington Street ROW	631745.39	671245.65	13.44	13.04	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	59.00 - 69.00	-45.56 - -55.56	2.00	71.00	
CGMW-61D	10/20/2022	Huntington Street ROW	631745.39	671245.65	13.44	13.02	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Deep	117.50 - 127.50	-104.06 - -114.06	2.00	129.50	
CGMW-62I	11/11/2022	Nelson Street ROW	631341.34	671682.35	27.81	27.30	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	74.00 - 84.00	-46.19 - -56.19	2.00	86.00	
CGMW-62D	11/11/2022	Nelson Street ROW	631341.34	671682.35	27.81	27.30	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Deep	133.00 - 143.00	-105.19 - -115.19	2.00	145.00	
CGMW-63	11/15/2022	Luquer Street ROW	631494.99	671865.73	30.82	30.49	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	27.50 - 37.50	3.32 - -6.68	2.00	39.50	
CGMW-64I	11/17/2022	Luquer Street ROW	631353.16	671916.32	34.90	34.39	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	80.00 - 90.00	-45.10 - -55.10	2.00	92.00	
CGMW-64D	11/17/2022	Luquer Street ROW	631353.16	671916.32	34.90	34.39	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Deep	138.00 - 148.00	-103.10 - -113.10	2.00	150.00	
CGMW-65S	10/27/2022	Hoyt Street ROW	632438.03	672079.71	22.74	22.50	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	19.50 - 29.50	3.24 - -6.76	2.00	31.50	
CGMW-65I	10/26/2022	Hoyt Street ROW	632440.78	672082.73	22.90	22.02	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	70.00 - 80.00	-47.10 - -57.10	2.00	82.00	
CGMW-65D	10/26/2022	Hoyt Street ROW	632440.78	672082.73	22.90	22.25	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Deep	117.50 - 127.50	-94.60 - -104.60	2.00	129.50	
CGMW-66I	10/24/2022	4th Street ROW	632715.28	671854.05	10.75	10.36	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	55.00 - 65.00	-44.25 - -54.25	2.00	67.00	
CGMW-66D	10/24/2022	4th Street ROW	632715.28	671854.05	10.75	10.36	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Deep	117.50 - 127.50	-106.75 - -116.75	2.00	129.50	
CGMW-67S	11/7/2022	3rd Street ROW	633174.57	671803.22	8.67	8.32	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Shallow	6.00 - 16.00	2.67 - -7.33	2.00	18.00	
CGMW-67I	11/7/2022	3rd Street ROW	633174.57	671803.22	8.67	8.22	Sch. 40 PVC	Sch. 40 PVC	2.00	0.010	10.00	Intermediate	33.00 - 43.00	-24.33 - -34.33	2.00	45.00	

Notes:

- Horizontal reference datum is the North American Datum of 1983 (NAD83), New York State Plane East Zone.
- Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
- As described in the *Final Remedial Investigation Report* (GEI Consultants, Inc. 2005), the shallow zone generally extends from the water table (approximately elevation 16.0 feet to approximately elevation -2.0 feet NAVD88) to the bottom of the discontinuous alluvial/marsh deposits (approximately elevation -10.0 feet to approximately elevation -24.0 feet NAVD88), the intermediate zone generally extends from the bottom of the discontinuous alluvial/marsh deposits (approximately elevation -10.0 feet to approximately elevation -24.0 feet NAVD88) to the bottom of the discontinuous glacial silt and glacial clay layers (approximately elevation -90.0 feet NAVD88), and the deep zone generally extends from the bottom of the discontinuous glacial silt and glacial clay layers (approximately elevation -90.0 feet) to the vertical extent of subsurface exploration at the Site (approximately elevation -135.0 feet NAVD88).
- With the exceptions of monitoring wells CGMW-05S, CGMW-05I, CGMW-19, CGMW-22, and CGMW-35, the horizontal locations, ground surface elevations, and measuring point elevations listed in this table reflect surveys conducted by (1) Louis J. Weber & Associates, Inc. on November 11, 2019, March 1, 2022, March 31, 2022, and April 18, 2022; and (2) GEOD Corporation on November 22, 2022. Screened intervals and depths for piezometers and wells installed between 2003 and 2013 have been adjusted based on the ground surface elevations recorded during those surveys.
- bgs: below ground surface.
- CMT: continuous multichannel tubing.
- NA: not available.
- PE: polyethylene.
- PVC: polyvinyl chloride.
- ROW: right-of-way.
- Sch.: Schedule.
- SS: stainless steel.

Table 2
Summary of Measured Groundwater Depths and Elevations
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Location ID	Measuring Point Elevation (feet NAVD88)	Screened Zone ²	September 26, 2024		September 26, 2024		December 18, 2024		December 18, 2024	
			Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)	Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)	Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)	Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)
			Low Tide		High Tide		High Tide		Low Tide	
Parcel I										
CGMW-01S	29.35	Shallow	26.08	3.27	26.06	3.29	26.51	2.84	26.41	2.94
CGMW-01I	29.64	Intermediate	26.28	3.36	26.16	3.48	26.62	3.02	26.56	3.08
CGMW-01D	29.72	Deep	26.39	3.33	26.36	3.36	26.79	2.93	26.72	3.00
CGMW-48	25.49	Shallow	18.45	7.04	18.49	7.00	19.18	6.31	19.02	6.47
CGMW-49	17.74	Shallow	9.01	8.73	9.05	8.69	8.08	9.66	7.99	9.75
CGMW-50	27.04	Shallow	23.45	3.59	23.58	3.46	24.31	2.73	24.19	2.85
CGMW-51S	12.17	Shallow	3.19	8.98	3.15	9.02	2.04	10.13	2.29	9.88
CGMW-51I	12.55	Intermediate	9.75	2.80	9.32	3.23	9.58	2.97	10.11	2.44
CGMW-52S	23.77	Shallow	17.60	6.17	17.63	6.14	18.39	5.38	18.50	5.27
CGMW-52I	23.19	Intermediate	19.91	3.28	19.91	3.28	20.39	2.80	20.31	2.88
CGMW-53S	19.64	Shallow	14.22	5.42	14.49	5.15	14.74	4.90	14.67	4.97
CGMW-53I	19.26	Intermediate	16.13	3.13	16.23	3.03	17.50	1.76	16.76	2.50
Parcel II										
CGMW-54	10.95	Shallow	5.95	5.00	6.25	4.70	6.09	4.86	6.05	4.90
CGMW-55S	9.81	Shallow	7.80	2.01	7.80	2.01	7.76	2.05	7.74	2.07
CGMW-55I	9.00	Intermediate	5.95	3.05	5.88	3.12	5.87	3.13	6.32	2.68
CGMW-56	7.08	Shallow	5.80	1.28	6.04	1.04	5.97	1.11	5.88	1.20
CGMW-57	10.42	Shallow	10.39	0.03	7.56	2.86	9.43	0.99	10.64	-0.22
CGPZ-07	7.12	Shallow	7.40	-0.28	4.19	2.93	4.61	2.51	8.67	-1.55
CGPZ-08	8.06	Shallow	7.90	0.16	4.92	3.14	5.50	2.56	8.16	-0.10
CGPZ-09	10.77	Shallow	10.72	0.05	7.89	2.88	8.26	2.51	10.25	0.52
CGPZ-10	11.86	Shallow	10.91	0.95	9.34	2.52	9.86	2.00	11.06	0.80
Parcel III										
CGMW-15 CH1	17.38	Shallow	10.43	6.95	10.72	6.66	18.35	-0.97	11.55	5.83
CGMW-15 CH2	17.38	--	0.30	17.08	0.10	17.28	0.00	17.38	0.00	17.38
CGMW-15 CH3	17.38	Intermediate	14.39	2.99	13.33	4.05	18.48	-1.10	14.79	2.59
CGMW-15 CH4	17.38	Intermediate	0.00	17.38	0.00	17.38	0.00	17.38	0.00	17.38
CGMW-15 CH5	17.38	Intermediate	14.36	3.02	14.15	3.23	NM	NM	15.14	2.24
CGMW-15 CH6	17.38	Deep	15.12	2.26	14.99	2.39	15.46	1.92	15.48	1.90
CGMW-15 CH7	17.38	Deep	13.39	3.99	13.40	3.98	13.35	4.03	14.62	2.76
CGMW-34S	17.91	Shallow	12.55	5.36	12.62	5.29	12.49	5.42	12.12	5.79
CGMW-34I	16.29	Intermediate	13.67	2.62	13.30	2.99	13.92	2.37	14.11	2.18
CGMW-35	16.26	Shallow	11.07	5.19	11.00	5.26	11.22	5.04	11.09	5.17
CGMW-36	16.29	Shallow	10.65	5.64	10.68	5.61	10.84	5.45	10.78	5.51
CGMW-37	16.58	Shallow	9.75	6.83	10.86	5.72	10.46	6.12	10.40	6.18
CGMW-38	17.48	Shallow	10.56	6.92	10.57	6.91	11.23	6.25	11.17	6.31
CGMW-39	15.28	Shallow	9.83	5.45	9.81	5.47	8.39	6.89	8.41	6.87
CGMW-40D	17.16	Intermediate	11.91	5.25	11.94	5.22	12.41	4.75	12.42	4.74
CGMW-41I	15.83	Intermediate	12.74	3.09	12.37	3.46	13.81	2.02	13.29	2.54
CGMW-42I	18.20	Intermediate	15.20	3.00	15.22	2.98	15.74	2.46	15.72	2.48
CGMW-43D	17.13	Intermediate	13.58	3.55	13.57	3.56	14.29	2.84	14.23	2.90
CGMW-58	10.02	Shallow	9.27	0.75	7.65	2.37	8.26	1.76	8.92	1.10
CGMW-59	9.46	Shallow	8.73	0.73	7.35	2.11	8.61	0.85	8.58	0.88
CGPZ-11	9.34	Shallow	8.25	1.09	7.18	2.16	7.84	1.50	8.58	0.76
CGPZ-12	9.55	Shallow	9.29	0.26	6.74	2.81	7.22	2.33	10.51	-0.96
CGPZ-42S	18.18	Shallow	14.96	3.22	14.97	3.21	14.99	3.19	14.85	3.33
Parcel IV										
CGMW-05S	25.68	Shallow	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-05I	26.14	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
Off-Site Area										
CGMW-12	9.49	Shallow	6.35	3.14	6.40	3.09	5.66	3.83	5.97	3.52
CGMW-16 CH1	7.20	Shallow	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH2	7.20	Shallow	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH3	7.20	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH4	7.20	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH5	7.20	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH6	7.20	Deep	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH7	7.20	Deep	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH1	22.22	Shallow	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH2	22.22	Shallow	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH3	22.22	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH4	22.22	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH5	22.22	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH6	22.22	Deep	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH7	22.22	Deep	NM	NM	NM	NM	NM	NM	NM	NM

Table 2
Summary of Measured Groundwater Depths and Elevations
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Location ID	Measuring Point Elevation (feet NAVD88)	Screened Zone ²	September 26, 2024		September 26, 2024		December 18, 2024		December 18, 2024	
			Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)	Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)	Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)	Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)
			Low Tide		High Tide		High Tide		Low Tide	
Off-Site Area (continued)										
CGMW-18 CH1	14.35	Shallow	8.93	5.42	8.91	5.44	9.46	4.89	9.39	4.96
CGMW-18 CH2	14.35	Shallow	11.11	3.24	11.93	2.42	11.11	3.24	11.02	3.33
CGMW-18 CH3	14.35	Intermediate	11.52	2.83	11.58	2.77	12.13	2.22	11.37	2.98
CGMW-18 CH4	14.35	Shallow	8.91	5.44	8.89	5.46	9.45	4.90	9.31	5.04
CGMW-18 CH5	14.35	Intermediate	10.85	3.50	10.65	3.70	11.01	3.34	11.08	3.27
CGMW-18 CH6	14.35	Intermediate	10.77	3.58	10.67	3.68	10.93	3.42	10.96	3.39
CGMW-18 CH7	14.35	Intermediate	10.77	3.58	10.66	3.69	10.85	3.50	10.94	3.41
CGMW-19 CH1	8.25	Shallow	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-19 CH2	8.25	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-19 CH3	8.25	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-19 CH4	8.25	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-19 CH5	8.25	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-19 CH6	8.25	Deep	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-19 CH7	8.25	Deep	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-22 CH1	5.57	Shallow	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-22 CH2	5.57	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-22 CH3	5.57	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-22 CH4	5.57	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-22 CH5	5.57	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-22 CH6	5.57	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-22 CH7	5.57	Intermediate	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-23	24.32	Shallow	15.40	8.92	7.31	17.01	NM	NM	NM	NM
CGMW-25R	38.37	Shallow	35.05	3.32	35.01	3.36	35.38	2.99	35.35	3.02
CGMW-29	8.65	Shallow	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-32	5.52	Shallow	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-44	14.36	Shallow	12.14	2.22	12.13	2.23	12.25	2.11	12.33	2.03
CGMW-46	10.86	Shallow	8.59	2.27	8.63	2.23	8.86	2.00	8.84	2.02
CGMW-47	7.67	Shallow	5.88	1.79	5.86	1.81	6.07	1.60	5.97	1.70
CGMW-60	10.95	Shallow	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-61I	13.04	Intermediate	10.30	2.74	NM	NM	10.11	2.93	10.28	2.76
CGMW-61D	13.02	Deep	NM	NM	NM	NM	10.48	2.54	10.71	2.31
CGMW-62I	27.30	Intermediate	24.09	3.21	24.09	3.21	24.51	2.79	24.39	2.91
CGMW-62D	27.30	Deep	24.13	3.17	24.08	3.22	24.47	2.83	24.49	2.81
CGMW-63	30.49	Shallow	27.27	3.22	27.28	3.21	27.65	2.84	27.62	2.87
CGMW-64I	34.39	Intermediate	31.38	3.01	31.34	3.05	31.80	2.59	31.74	2.65
CGMW-64D	34.39	Deep	30.69	3.70	30.55	3.84	30.81	3.58	30.98	3.41
CGMW-65S	22.50	Shallow	18.93	3.57	18.89	3.61	19.14	3.36	19.11	3.39
CGMW-65I	22.02	Intermediate	18.53	3.49	18.44	3.58	17.68	4.34	18.72	3.30
CGMW-65D	22.25	Deep	18.91	3.34	18.82	3.43	19.09	3.16	19.14	3.11
CGMW-66I	10.36	Intermediate	7.34	3.02	7.31	3.05	7.11	3.25	7.10	3.26
CGMW-66D	10.36	Deep	6.61	3.75	6.49	3.87	6.68	3.68	7.82	2.54
CGMW-67S	8.32	Shallow	5.49	2.83	5.47	2.85	NM	NM	4.83	3.49
CGMW-67I	8.22	Intermediate	5.71	2.51	5.43	2.79	NM	NM	5.16	3.06

Notes:

- Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
- As described in the *Final Remedial Investigation Report* (GEI Consultants, Inc. 2005), the shallow zone generally extends from the water table (approximately elevation 16.0 feet to approximately elevation -2.0 feet NAVD88) to the bottom of the discontinuous alluvial/marsh deposits (approximately elevation -10.0 feet to approximately elevation -24.0 feet NAVD88), the intermediate zone generally extends from the bottom of the discontinuous alluvial/marsh deposits (approximately elevation -10.0 feet to approximately elevation -24.0 feet NAVD88) to the bottom of the discontinuous glacial silt and glacial clay layers (approximately elevation -90.0 feet NAVD88), and the deep zone generally extends from the bottom of the discontinuous glacial silt and glacial clay layers (approximately elevation -90.0 feet) to the vertical extent of subsurface exploration at the Site (approximately elevation -135.0 feet NAVD88).
- bmp: below measuring point.
- NM: not measured. Well not accessible during gauging round, or not part of gauging scope.

Table 3
Summary of Fall 2024 Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-01S CGMW-01S Shallow 28.21 to 38.21 1.61 to -8.39 9/30/2024	Parcel I CGMW-01S CGMW-01S Shallow 28.21 to 38.21 1.61 to -8.39 10/1/2024	Parcel I CGMW-01I CGMW-01I Intermediate 74.35 to 84.35 -44.33 to -54.33 9/30/2024	Parcel I CGMW-01D CGMW-01D Deep 126.47 to 136.47 -96.41 to -106.41 10/23/2024	Parcel I CGMW-48 CGMW-48 Shallow 20.14 to 30.14 5.85 to -4.15 9/30/2024	Parcel I CGMW-49 CGMW-49 Shallow 9.10 to 19.10 8.73 to -1.27 9/30/2024
New York State Class GA Ambient Water Quality Standard or Guidance Value ⁴							
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	0.72 J	0.77 J	1.0 U	1.0 U	1.0 U	1.0
Ethylbenzene	5	520 D	540 D	1.0 U	1.0 U	1.0 U	6.2
Toluene	5	95	79	1.0 U	1.0 U	1.0 U	0.59 J
Xylenes, Total	--	2,200 D	2,200 D	1.0 U	1.0 U	1.0 U	21
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	15	13	0.50 U	0.50 U	0.56 U	0.70
Acenaphthylene	--	13	6.4	0.16 J	0.50 U	0.56 U	0.51 U
Anthracene	50	0.41 J	0.32 J	0.50 U	0.50 U	0.56 U	0.51 U
Benzo(a)anthracene	0.002	0.50 U	0.52 U	0.50 U	0.50 U	0.56 U	0.51 U
Benzo(a)pyrene	ND	0.50 U	0.52 U	0.19 J	0.50 U	0.56 U	0.51 U
Benzo(b)fluoranthene	0.002	0.50 U	0.52 U	0.50 U	0.50 U	0.56 U	0.51 U
Benzo(g,h,i)perylene	--	0.50 U	0.11 J	0.50 U	0.50 U	0.56 U	0.51 U
Benzo(k)fluoranthene	0.002	0.50 U	0.52 U	0.50 U	0.50 U	0.56 U	0.51 U
Chrysene	0.002	0.50 U	0.52 U	0.50 U	0.50 U	0.56 U	0.51 U
Dibenz(a,h)anthracene	--	0.50 U	0.13 J	0.50 U	0.50 U	0.56 U	0.51 U
Fluoranthene	50	0.50 U	0.14 J	0.50 U	0.50 U	0.56 U	0.23 J
Fluorene	50	3.6	3.1	0.50 U	0.50 U	0.56 U	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.52 U	0.50 U	0.50 U	0.56 U	0.51 U
Methylnaphthalene, 2-	--	280 D	170 D	0.50 U	0.50 U	0.56 U	0.91
Naphthalene	10	8,800 D	5,700 D	0.50 U	0.50 U	0.56 U	33
Phenanthrene	50	2.0	2.1	0.50 U	0.50 U	0.56 U	0.51 U
Pyrene	50	0.50 U	0.14 J	0.50 U	0.50 U	0.56 U	0.35 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 UJ	10 UJ	440 J	10 U	10 U	8.0 J

Table 3
Summary of Fall 2024 Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-51S CGMW-51S Shallow 6.10 to 16.10 6.50 to -3.50 9/30/2024	Parcel I CGMW-52S CGMW-52S Shallow 17.60 to 27.60 6.44 to -3.56 10/1/2024	Parcel I CGMW-52I CGMW-52I Intermediate 70.20 to 80.20 -46.29 to -56.29 10/1/2024	Parcel I CGMW-53I CGMW-53I Intermediate 56.45 to 66.45 -36.76 to -46.76 10/1/2024	Parcel I CGMW-54 CGMW-54 Shallow 3.20 to 13.20 8.21 to -1.79 10/1/2024	Parcel II CGMW-54 CGMW-XX-20241001 Shallow 3.20 to 13.20 8.21 to -1.79 10/1/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	9.1	180	1.9	38 J	57 J
Ethylbenzene	5	1.0 U	32	70	1.0 U	0.69 J	1.0
Toluene	5	1.0 U	0.77 J	4.8	1.0 U	0.63 J	0.91 J
Xylenes, Total	--	1.0 U	36	36	0.61 J	0.58 J	0.88 J
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.53 U	45	67	0.51 U	6.3	5.5
Acenaphthylene	--	0.53 U	1.1	1.9	0.28 J	0.14 J	0.12 J
Anthracene	50	0.53 U	2.2	2.1	0.24 J	0.20 J	0.19 J
Benzo(a)anthracene	0.002	0.53 U	0.51 U	0.53 U	0.11 J	0.54 U	0.54 U
Benzo(a)pyrene	ND	0.53 U	0.51 U	0.53 U	0.15 J	0.54 U	0.54 U
Benzo(b)fluoranthene	0.002	0.53 U	0.51 U	0.53 U	0.17 J	0.54 U	0.54 U
Benzo(g,h,i)perylene	--	0.53 U	0.51 U	0.53 U	0.12 J	0.54 U	0.54 U
Benzo(k)fluoranthene	0.002	0.53 U	0.51 U	0.53 U	0.51 U	0.54 U	0.54 U
Chrysene	0.002	0.53 U	0.51 U	0.53 U	0.15 J	0.54 U	0.54 U
Dibenz(a,h)anthracene	--	0.53 U	0.51 U	0.53 U	0.51 U	0.54 U	0.54 U
Fluoranthene	50	0.53 U	0.75	0.49 J	0.17 J	0.12 J	0.11 J
Fluorene	50	0.53 U	15	11	0.51 U	1.4	1.2
Indeno(1,2,3-cd)pyrene	0.002	0.53 U	0.51 U	0.53 U	0.13 J	0.54 U	0.54 U
Methylnaphthalene, 2-	--	0.53 U	0.51 U	0.53 U	0.51 U	0.18 J	0.15 J
Naphthalene	10	0.53 U	0.51 U	0.53 U	0.51 U	0.47 J	0.54 U
Phenanthrene	50	0.53 U	13	12	0.51 U	0.32 J	0.27 J
Pyrene	50	0.53 U	0.69	0.54	0.26 J	0.15 J	0.13 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ

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Summary of Fall 2024 Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel II CGMW-55S CGMW-55S Shallow 5.10 to 15.10 4.94 to -5.06 10/1/2024	Parcel II CGMW-55I CGMW-55I Intermediate 55.95 to 65.95 -46.69 to -56.69 10/1/2024	Parcel II CGMW-56 CGMW-56 Shallow 3.30 to 13.30 4.19 to -5.81 9/30/2024	Parcel II CGPZ-07 CGPZ-07 Shallow 2.70 to 15.70 5.26 to -7.74 10/4/2024	Parcel II CGPZ-08 CGPZ-08 Shallow 2.00 to 15.00 6.49 to -6.51 10/4/2024	Parcel II CGPZ-09 CGPZ-09 Shallow 2.00 to 15.00 9.22 to -3.78 10/4/2024	Parcel II CGPZ-10 CGPZ-10 Shallow 2.30 to 15.30 9.81 to -3.19 10/4/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)								
Benzene	1	360	13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	3.1 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)								
Acenaphthene	20	46	0.86	0.54 U	1.6	1.2	0.50 U	0.50 U
Acenaphthylene	--	0.50 U	2.5	0.54 U	0.57	0.16 J	0.50 U	0.50 U
Anthracene	50	0.83	0.12 J	0.54 U	0.13 J	0.50 U	0.50 U	0.50 U
Benzo(a)anthracene	0.002	0.13 J	0.50 U	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Benzo(a)pyrene	ND	0.11 J	0.50 U	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Benzo(b)fluoranthene	0.002	0.50 U	0.50 U	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Benzo(g,h,i)perylene	--	0.50 U	0.50 U	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Benzo(k)fluoranthene	0.002	0.50 U	0.50 U	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Chrysene	0.002	0.15 J	0.50 U	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Dibenz(a,h)anthracene	--	0.50 U	0.50 U	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Fluoranthene	50	0.97	0.25 J	0.54 U	0.21 J	0.52	0.50 U	0.50 U
Fluorene	50	25	0.16 J	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.50 U	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Methylnaphthalene, 2-	--	4.7	0.50 U	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Naphthalene	10	0.50 U	0.50 U	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Phenanthrene	50	4.0	0.59	0.54 U	0.49 U	0.50 U	0.50 U	0.50 U
Pyrene	50	0.87	0.37 J	0.54 U	0.21 J	0.69	0.50 U	0.50 U
Total Cyanide (USEPA SW-846 Method 9012B)								
Cyanide, Total	200	10 UJ	10 UJ	5.0 J	10 U	10 U	10 U	10 U

Table 3
Summary of Fall 2024 Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-15-CH1S CGMW-15-CH1S Shallow 22.20 to 22.45 -4.70 to -4.95 10/8/2024	Parcel III CGMW-15-CH5I CGMW-15-CH5I Intermediate 69.03 to 69.28 -51.53 to -51.78 10/8/2024	Parcel III CGMW-15-CH6D CGMW-15-CH6D Deep 131.24 to 131.49 -113.74 to -113.99 10/8/2024	Parcel III CGMW-34I CGMW-34I Intermediate 51.38 to 61.38 -34.90 to -44.90 10/7/2024	Parcel III CGMW-35 CGMW-35 Shallow 7.46 to 17.46 9.00 to -1.00 10/7/2024	Parcel III CGMW-36 CGMW-36 Shallow 5.97 to 15.97 10.62 to 0.62 10/7/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	7,000 D	2,000 D	0.90 J
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	920 J	320	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	65	8.5	0.30 J
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	190	61	0.45 J
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.17 J	0.55 U	0.51 U	130 J	58	16
Acenaphthylene	--	0.55 U	0.13 J	0.51 U	33	5.3	0.56 U
Anthracene	50	0.55 U	0.55 U	0.51 U	7.2	16	0.62
Benzo(a)anthracene	0.002	0.11 J	0.11 J	0.51 U	1.4	14	0.56 U
Benzo(a)pyrene	ND	0.18 J	0.55 U	0.51 U	1.4	14	0.56 U
Benzo(b)fluoranthene	0.002	0.55 U	0.15 J	0.51 U	0.95	12	0.56 U
Benzo(g,h,i)perylene	--	0.55 U	0.55 U	0.51 U	0.56	9.4	0.56 U
Benzo(k)fluoranthene	0.002	0.55 U	0.55 U	0.51 U	0.37 J	4.5	0.56 U
Chrysene	0.002	0.55 U	0.11 J	0.51 U	1.4	12	0.56 U
Dibenz(a,h)anthracene	--	0.55 U	0.55 U	0.51 U	0.15 J	2.8 U	0.56 U
Fluoranthene	50	0.55 U	0.13 J	0.51 U	5.9	24	0.57
Fluorene	50	0.55 U	0.55 U	0.51 U	47 J	12	0.56 U
Indeno(1,2,3-cd)pyrene	0.002	0.55 U	0.55 U	0.51 U	0.52 J	8.2	0.56 U
Methylnaphthalene, 2-	--	0.55 U	0.55 U	0.51 U	0.53 U	2.8 U	0.56 U
Naphthalene	10	0.55 U	0.55 U	0.51 U	0.53 UJ	10	0.56 U
Phenanthrene	50	0.55 U	0.55 U	0.51 U	8.3 J	38	0.18 J
Pyrene	50	0.17 J	0.21 J	0.51 U	9.7	40	0.63
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 UJ	10 UJ	10 U	10 J	100	5.0 J

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Borough of Brooklyn, Kings County, New York
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Property or General Location:		Parcel III	Parcel III	Parcel III	Parcel III	Parcel III	Parcel III
Location ID:		CGMW-37	CGMW-38	CGMW-39	CGMW-39	CGMW-58	CGMW-59
Sample ID:		CGMW-37	CGMW-38	CGMW-39	CGMW-XX-20241008	CGMW-58	CGMW-59
Screened Zone ³ :	New York State Class	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Screened Interval (feet bgs):	GA Ambient Water	5.38 to 15.38	4.79 to 14.79	9.61 to 19.61	9.61 to 19.61	10.83 to 20.83	10.80 to 20.80
Screened Interval (feet NAVD88):	Quality Standard or	11.20 to 1.20	10.40 to 0.40	6.10 to -3.90	6.10 to -3.90	-0.47 to -10.47	-0.83 to -10.83
Parameter	Sample Date:	Guidance Value ⁴	10/8/2024	10/8/2024	10/8/2024	10/8/2024	10/4/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	110	0.40 J
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	55	1.2
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	2.6	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	9.2	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.51 U	0.52 U	0.12 J	0.17 J	52	26
Acenaphthylene	--	0.51 U	0.52 U	0.17 J	0.20 J	4.4	1.8
Anthracene	50	0.51 U	0.52 U	0.53 U	0.52 U	7.6	1.8
Benzo(a)anthracene	0.002	0.51 U	0.52 U	0.22 J	0.52 U	0.58	0.46 J
Benzo(a)pyrene	ND	0.51 U	0.52 U	0.27 J	0.50 J	0.41 J	0.35 J
Benzo(b)fluoranthene	0.002	0.51 U	0.52 U	0.53 U	0.43 J	0.44 J	0.25 J
Benzo(g,h,i)perylene	--	0.51 U	0.52 U	0.12 J	0.39 J	0.29 J	0.14 J
Benzo(k)fluoranthene	0.002	0.51 U	0.52 U	0.53 U	0.22 J	0.34 J	0.51 U
Chrysene	0.002	0.51 U	0.52 U	0.17 J	0.52 U	0.54	0.50 J
Dibenz(a,h)anthracene	--	0.51 U	0.52 U	0.53 U	0.52 U	0.22 J	0.51 U
Fluoranthene	50	0.51 U	0.52 U	0.26 J	0.41 J	3.0	4.6
Fluorene	50	0.51 U	0.52 U	0.53 U	0.52 U	2.6	1.2
Indeno(1,2,3-cd)pyrene	0.002	0.51 U	0.52 U	0.53 U	0.26 J	0.25 J	0.11 J
Methylnaphthalene, 2-	--	0.51 U	0.52 U	0.53 U	0.52 U	0.49 J	0.11 J
Naphthalene	10	0.51 U	0.52 U	0.53 U	0.52 U	60	1.3
Phenanthrene	50	0.51 U	0.52 U	0.12 J	0.19 J	31	8.8
Pyrene	50	0.51 U	0.52 U	0.31 J	0.50 J	3.4	5.4
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 UJ	10 UJ	14 J	8.0 J	19	22

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88):		Parcel III CGPZ-12 CGPZ-12 Shallow 2.90 to 15.90 7.05 to -5.95 10/4/2024	4th Street ROW CGMW-12 CGMW-12 Shallow 8.40 to 18.40 1.31 to -8.69 10/2/2024	4th Street ROW CGMW-12 CGMW-XX-20241002 Shallow 8.40 to 18.40 1.31 to -8.69 10/2/2024	Smith Street ROW CGMW-17-CH2S CGMW-17-CH2S Shallow 27.14 to 27.39 -4.64 to -4.89 10/10/2024	Smith Street ROW CGMW-17-CH4I CGMW-17-CH4I Intermediate 74.34 to 74.59 -51.84 to -52.09 10/11/2024	Smith Street ROW CGMW-17-CH6D CGMW-17-CH6D Deep 124.34 to 124.59 -101.84 to -102.09 10/10/2024
Parameter	Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value ⁴					
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	120	1,900	240
Ethylbenzene	5	1.0 U	0.49 J	0.55 J	50 U	150	79
Toluene	5	1.0 U	1.0 U	1.0 U	50 U	50 U	1.0
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	50 U	50 U	19
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	6.3	0.52 U	0.56 U	NA	35	0.91
Acenaphthylene	--	1.1	0.52 U	0.56 U	NA	4.3 J	0.21 J
Anthracene	50	0.30 J	0.52 U	0.56 U	NA	11 U	0.55 U
Benzo(a)anthracene	0.002	0.50 U	0.52 U	0.56 U	NA	11 U	0.55 U
Benzo(a)pyrene	ND	0.50 U	0.52 U	0.56 U	NA	11 U	0.55 U
Benzo(b)fluoranthene	0.002	0.50 U	0.52 U	0.56 U	NA	11 U	0.55 U
Benzo(g,h,i)perylene	--	0.50 U	0.52 U	0.56 U	NA	11 U	0.55 U
Benzo(k)fluoranthene	0.002	0.50 U	0.52 U	0.56 U	NA	11 U	0.55 U
Chrysene	0.002	0.50 U	0.52 U	0.56 U	NA	11 U	0.55 U
Dibenz(a,h)anthracene	--	0.50 U	0.52 U	0.56 U	NA	11 U	0.55 U
Fluoranthene	50	0.63	0.52 U	0.56 U	NA	11 U	0.55 U
Fluorene	50	0.13 J	0.52 U	0.56 U	NA	11 U	0.55 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.52 U	0.56 U	NA	11 U	0.55 U
Methylnaphthalene, 2-	--	0.50 U	0.16 J	0.56 U	NA	11	0.55 U
Naphthalene	10	0.50 U	3.6 J	2.2 J	NA	1,000	0.55 U
Phenanthrene	50	0.50 U	0.52 U	0.56 U	NA	7.8 J	0.55 U
Pyrene	50	0.67	0.52 U	0.56 U	NA	11 U	0.55 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	17	10 U	10 U	NA	10 UJ	10 UJ

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Hoyt Street ROW CGMW-18-CH2S CGMW-18-CH2S Shallow 22.40 to 22.65 -7.77 to -8.02 10/2/2024	Hoyt Street ROW CGMW-18-CH6I CGMW-18-CH6I Intermediate 70.56 to 70.81 -55.93 to -56.18 10/2/2024	Nelson Street ROW CGMW-23 CGMW-23 Shallow 17.28 to 27.28 7.44 to -2.56 10/4/2024	4th Place ROW CGMW-25R CGMW-25R Shallow 36.20 to 46.20 2.34 to -7.66 10/2/2024	9th Street ROW CGMW-44 CGMW-44 Shallow 9.92 to 19.92 4.86 to -5.14 10/3/2024	Garnet Street ROW CGMW-46 CGMW-46 Shallow 8.92 to 18.92 2.28 to -7.72 10/4/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	4,200 D	8.5	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	2,100 D	7.9	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	52	12	2.0	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1,100	7.9	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	18	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Acenaphthylene	--	15	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Anthracene	50	0.12 J	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Benzo(a)anthracene	0.002	0.54 U	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Benzo(a)pyrene	ND	0.54 U	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Benzo(b)fluoranthene	0.002	0.54 U	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Benzo(g,h,i)perylene	--	0.54 U	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Benzo(k)fluoranthene	0.002	0.54 U	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Chrysene	0.002	0.54 U	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Dibenz(a,h)anthracene	--	0.54 U	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Fluoranthene	50	0.54 U	0.56 U	0.68 J	0.53 U	0.57 U	0.52 U
Fluorene	50	1.8	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Indeno(1,2,3-cd)pyrene	0.002	0.54 U	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Methylnaphthalene, 2-	--	780 D	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Naphthalene	10	9,800 D	0.78	3.0 U	0.53 U	0.57 U	0.52 U
Phenanthrene	50	0.71	0.56 U	3.0 U	0.53 U	0.57 U	0.52 U
Pyrene	50	0.54 U	0.56 U	0.79 J	0.53 U	0.57 U	0.52 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	10 U	10 U	10 U	10 U	10 U

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88):		Centre Street ROW CGMW-47 CGMW-47 Shallow 7.87 to 17.87 0.32 to -9.68	Huntington Street ROW CGMW-61D CGMW-61D Deep 117.50 to 127.50 -104.06 to -114.06	Nelson Street ROW CGMW-62I CGMW-62I Intermediate 74.00 to 84.00 -46.19 to -56.19	Nelson Street ROW CGMW-62I CGMW-XX-20241003 Intermediate 74.00 to 84.00 -46.19 to -56.19	Nelson Street ROW CGMW-62D CGMW-62D Deep 133.00 to 143.00 -105.19 to -115.19
Parameter	Sample Date:	Guidance Value ⁴	10/4/2024	10/9/2024	10/3/2024	10/3/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	1.0 U	1.0 U	0.53 J	0.52 J	0.32 J
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Acenaphthylene	--	0.51 U	0.30 J	0.45 J	0.39 J	0.58
Anthracene	50	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Benzo(a)anthracene	0.002	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Benzo(a)pyrene	ND	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Benzo(b)fluoranthene	0.002	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Benzo(g,h,i)perylene	--	0.51 U	0.55 UBJ	0.52 U	0.53 U	0.53 U
Benzo(k)fluoranthene	0.002	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Chrysene	0.002	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Dibenz(a,h)anthracene	--	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Fluoranthene	50	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Fluorene	50	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Indeno(1,2,3-cd)pyrene	0.002	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Methylnaphthalene, 2-	--	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Naphthalene	10	0.51 U	0.55 UJ	0.52 U	0.53 U	0.53 U
Phenanthrene	50	0.51 U	0.55 UBJ	0.52 U	0.53 U	0.53 U
Pyrene	50	0.51 U	0.55 UBJ	0.52 U	0.53 U	0.53 U
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	10 U	7.0 J	10 U	10 U	10 U

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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Luquer Street ROW CGMW-63 CGMW-63 Shallow 27.50 to 37.50 3.32 to -6.68 10/7/2024	Luquer Street ROW CGMW-64I CGMW-64I Intermediate 80.00 to 90.00 -45.10 to -55.10 10/3/2024	Luquer Street ROW CGMW-64D CGMW-64D Deep 138.00 to 148.00 -103.10 to -113.10 10/3/2024	Hoyt Street ROW CGMW-65S CGMW-65S Shallow 19.50 to 29.50 3.24 to -6.76 10/2/2024	Hoyt Street ROW CGMW-65I CGMW-65I Intermediate 70.00 to 80.00 -47.10 to -57.10 10/2/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	3.5
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	19	520 D
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	2.2
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.4	43
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	0.55 U	0.50 J	0.52 U	0.51 U	1.9
Acenaphthylene	--	0.55 U	2.6	0.52 U	0.51 U	2.0
Anthracene	50	0.55 U	0.35 J	0.52 U	0.51 U	0.51 U
Benzo(a)anthracene	0.002	0.55 U	0.52 U	0.52 U	0.51 U	0.51 U
Benzo(a)pyrene	ND	0.55 U	0.52 U	0.52 U	0.51 U	0.51 U
Benzo(b)fluoranthene	0.002	0.55 U	0.52 U	0.52 U	0.51 U	0.51 U
Benzo(g,h,i)perylene	--	0.55 U	0.52 U	0.52 U	0.51 U	0.51 U
Benzo(k)fluoranthene	0.002	0.55 U	0.52 U	0.52 U	0.51 U	0.51 U
Chrysene	0.002	0.55 U	0.52 U	0.52 U	0.51 U	0.51 U
Dibenz(a,h)anthracene	--	0.55 U	0.52 U	0.52 U	0.51 U	0.51 U
Fluoranthene	50	0.55 U	0.30 J	0.52 U	0.51 U	0.51 U
Fluorene	50	0.55 U	1.4	0.52 U	0.51 U	1.1
Indeno(1,2,3-cd)pyrene	0.002	0.55 U	0.52 U	0.52 U	0.51 U	0.51 U
Methylnaphthalene, 2-	--	0.55 U	2.6	0.52 U	0.51 U	0.51 U
Naphthalene	10	0.55 U	8.5	0.52 U	0.51 U	0.51 U
Phenanthrene	50	0.55 U	1.4	0.52 U	0.51 U	0.38 J
Pyrene	50	0.55 U	0.51 J	0.52 U	0.51 U	0.51 U
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	10 UJ	10 U	10 U	10 U	10 U

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Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Hoyt Street ROW CGMW-65D CGMW-65D Deep 117.50 to 127.50 -94.60 to -104.60 10/2/2024	4th Street ROW CGMW-66I CGMW-66I Intermediate 55.00 to 65.00 -44.25 to -54.25 10/2/2024	4th Street ROW CGMW-66D CGMW-66D Deep 117.50 to 127.50 -106.75 to -116.75 10/2/2024	3rd Street ROW CGMW-67S CGMW-67S Shallow 6.00 to 16.00 2.67 to -7.33 10/2/2024	3rd Street ROW CGMW-67I CGMW-67I Intermediate 33.00 to 43.00 -24.33 to -34.33 10/2/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	160
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	0.55 J	420 D
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	4.9
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	49
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	0.53 U	0.53 U	0.52 U	1.6	180 D
Acenaphthylene	--	0.53 U	0.53 U	0.52 U	0.51 U	2.9
Anthracene	50	0.53 U	0.53 U	0.52 U	0.51 U	2.7
Benzo(a)anthracene	0.002	0.53 U	0.53 U	0.52 U	0.51 U	0.50 U
Benzo(a)pyrene	ND	0.53 U	0.53 U	0.52 U	0.51 U	0.50 U
Benzo(b)fluoranthene	0.002	0.53 U	0.53 U	0.52 U	0.51 U	0.50 U
Benzo(g,h,i)perylene	--	0.53 U	0.53 U	0.52 U	0.51 U	0.50 U
Benzo(k)fluoranthene	0.002	0.53 U	0.53 U	0.52 U	0.51 U	0.50 U
Chrysene	0.002	0.53 U	0.53 U	0.52 U	0.51 U	0.50 U
Dibenz(a,h)anthracene	--	0.53 U	0.53 U	0.52 U	0.51 U	0.50 U
Fluoranthene	50	0.27 J	0.53 U	0.52 U	0.51 U	0.17 J
Fluorene	50	0.53 U	0.53 U	0.52 U	0.40 J	13
Indeno(1,2,3-cd)pyrene	0.002	0.53 U	0.53 U	0.52 U	0.51 U	0.50 U
Methylnaphthalene, 2-	--	0.53 U	0.53 U	0.52 U	0.51 U	0.50 U
Naphthalene	10	0.51 J	0.53 U	0.52 U	1.6	35
Phenanthrene	50	0.53 U	0.53 U	0.52 U	0.51 U	29
Pyrene	50	0.47 J	0.53 U	0.52 U	0.51 U	0.18 J
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	10 U	10 U	10 U	10 U	10 U

Table 3
Summary of Fall 2024 Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Notes:

1. Sample concentrations are presented in units of micrograms per liter (µg/L).
2. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
3. As described in the *Final Remedial Investigation Report* (GEI Consultants, Inc. 2005), the shallow zone generally extends from the water table (approximately elevation 16.0 feet to approximately elevation -2.0 feet NAVD88) to the bottom of the discontinuous alluvial/marsh deposits (approximately elevation -10.0 feet to approximately elevation -24.0 feet NAVD88), the intermediate zone generally extends from the bottom of the discontinuous alluvial/marsh deposits (approximately elevation -10.0 feet to approximately elevation -24.0 feet NAVD88) to the bottom of the discontinuous glacial silt and glacial clay layers (approximately elevation -90.0 feet NAVD88), and the deep zone generally extends from the bottom of the discontinuous glacial silt and glacial clay layers (approximately elevation -90.0 feet) to the vertical extent of subsurface exploration at the Site (approximately elevation -135.0 feet NAVD88).
4. New York State Class GA (groundwater) ambient water quality standards and guidance values are from the New York State Department of Environmental Conservation's (NYSDEC's) Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, titled *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (NYSDEC 1998).
5. Bolded sample concentrations denote detected parameters.
6. Gray shading denotes sample concentrations that exceed the applicable New York State Class GA ambient water quality standards or guidance values.
7. --: No applicable standard or guidance value is listed in TOGS 1.1.1 for this parameter.
8. bgs: below ground surface.
9. NA: not analyzed.
10. ND: non-detect.
11. USEPA: United States Environmental Protection Agency.

Data Qualifiers:

1. D: Concentration is based on a diluted sample analysis.
2. J: Concentration is less than the reporting limit (RL), but greater than or equal to the method detection limit. The reported concentration is an estimate.
3. U: Parameter was not detected in the sample. The reported concentration is the RL.
4. UB: Parameter is considered non-detect at the listed value due to associated blank contamination.
5. UJ: Parameter was not detected above the reported RL. However, the reported RL is approximate and may or may not represent the actual RL.

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-01S CGMW-01S Shallow 28.21 to 38.21 1.61 to -8.39 2/22/2022	Parcel I CGMW-01S CGMW-01S Shallow 28.21 to 38.21 1.61 to -8.39 10/5/2022	Parcel I CGMW-01S CGMW-01S Shallow 28.21 to 38.21 1.61 to -8.39 4/17/2023	Parcel I CGMW-01S CGMW-01S Shallow 28.21 to 38.21 1.61 to -8.39 11/15/2023	Parcel I CGMW-01S CGMW-01S Shallow 28.21 to 38.21 1.61 to -8.39 4/16/2024	Parcel I CGMW-01S CGMW-01S Shallow 28.21 to 38.21 1.61 to -8.39 9/30/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	5.0 UJ	5.0 U	0.89 J	0.93 J	0.92 J	0.72 J
Ethylbenzene	5	770	680	730 DJ	860 D	1,200 D	520 D
Toluene	5	120 J	150	270	290	350 D	95
Xylenes, Total	--	2,900	3,000	3,400 DJ	3,700 D	4,700 D	2,200 D
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	11	11	10 J	9.0	6.1	15
Acenaphthylene	--	7.4	9.9	7.2 J	3.9	3.8	13
Anthracene	50	0.47 J	0.21 J	0.31 J	0.35 J	0.36 J	0.41 J
Benzo(a)anthracene	0.002	0.19 J	0.52 U	0.54 U	0.54 U	0.51 U	0.50 U
Benzo(a)pyrene	ND	0.18 J	0.52 U	0.54 U	0.54 U	0.51 U	0.50 U
Benzo(b)fluoranthene	0.002	0.11 J	0.52 U	0.54 U	0.54 U	0.51 U	0.50 U
Benzo(g,h,i)perylene	--	0.51 U	0.52 U	0.54 U	0.54 U	0.51 U	0.50 U
Benzo(k)fluoranthene	0.002	0.51 U	0.52 U	0.54 U	0.54 U	0.51 U	0.50 U
Chrysene	0.002	0.20 J	0.52 U	0.54 UJ	0.54 U	0.51 U	0.50 U
Dibenz(a,h)anthracene	--	0.51 U	0.52 U	0.54 U	0.54 U	0.51 U	0.50 U
Fluoranthene	50	0.49 J	0.16 J	0.15 J	0.54 U	0.51 U	0.50 U
Fluorene	50	2.9	2.2	3.0 J	2.9	2.5	3.6
Indeno(1,2,3-cd)pyrene	0.002	0.51 U	0.52 U	0.54 U	0.54 U	0.51 U	0.50 U
Methylnaphthalene, 2-	--	170 D	230 D	230 DJ	170 D	180 D	280 D
Naphthalene	10	6,400 D	11,000 D	7,500 DJ	4,500 D	26	8,800 D
Phenanthrene	50	2.9	1.3	1.9 J	2.0	1.9	2.0
Pyrene	50	0.71	0.19 J	0.54 U	0.54 U	0.18 J	0.50 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	49	73	7.5 J	67 J	10 UJ

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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-01S CGMW-01S Shallow 28.21 to 38.21 1.61 to -8.39 10/1/2024	Parcel I CGMW-01I CGMW-01I Intermediate 74.35 to 84.35 -44.33 to -54.33 2/22/2022	Parcel I CGMW-01I CGMW-01I Intermediate 74.35 to 84.35 -44.33 to -54.33 10/5/2022	Parcel I CGMW-01I CGMW-01I Intermediate 74.35 to 84.35 -44.33 to -54.33 4/17/2023	Parcel I CGMW-01I CGMW-01I Intermediate 74.35 to 84.35 -44.33 to -54.33 11/20/2023	Parcel I CGMW-01I CGMW-01I Intermediate 74.35 to 84.35 -44.33 to -54.33 4/16/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	0.77 J	2.6	1.0 U	0.61 J	1.0 U	1.0 U
Ethylbenzene	5	540 D	3.0	3.9	1.0 U	1.0 U	1.0 U
Toluene	5	79	0.20 J	1.4	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	2,200 D	1.2	19	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	13	31	0.52 U	0.51 UJ	0.53 U	0.53 U
Acenaphthylene	--	6.4	1.7	0.11 J	0.18 J	0.53 U	0.53 U
Anthracene	50	0.32 J	2.7	0.52 U	0.51 UJ	0.53 U	0.53 U
Benzo(a)anthracene	0.002	0.52 U	3.3	0.52 U	0.51 U	0.53 U	0.53 U
Benzo(a)pyrene	ND	0.52 U	3.1	0.52 U	0.27 J	0.53 U	0.53 U
Benzo(b)fluoranthene	0.002	0.52 U	2.2	0.52 U	0.17 J	0.53 U	0.53 U
Benzo(g,h,i)perylene	--	0.11 J	1.4	0.52 U	0.51 U	0.53 U	0.53 U
Benzo(k)fluoranthene	0.002	0.52 U	1.0	0.52 U	0.51 U	0.53 U	0.53 U
Chrysene	0.002	0.52 U	3.3	0.52 U	0.51 UJ	0.53 U	0.53 U
Dibenz(a,h)anthracene	--	0.13 J	0.29 J	0.52 U	0.51 U	0.53 U	0.53 U
Fluoranthene	50	0.14 J	8.3	0.52 U	0.51 UJ	0.53 U	0.53 U
Fluorene	50	3.1	6.5	0.52 U	0.51 UJ	0.53 U	0.53 U
Indeno(1,2,3-cd)pyrene	0.002	0.52 U	1.5	0.52 U	0.51 U	0.53 U	0.53 U
Methylnaphthalene, 2-	--	170 D	0.51 U	0.12 J	0.51 UJ	0.53 U	0.53 U
Naphthalene	10	5,700 D	0.51 U	4.2	1.3 J	0.53 U	1.6 J
Phenanthrene	50	2.1	0.93	0.52 U	0.51 UJ	0.53 U	0.53 U
Pyrene	50	0.14 J	13	0.52 U	0.51 U	0.53 U	0.53 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 UJ	10 U	10 U	10 U	10 U	5.7 J

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Fall 2024 Post-Remediation Groundwater Monitoring Report

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Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-01I CGMW-XX-20240416 Intermediate 74.35 to 84.35 -44.33 to -54.33 4/16/2024	Parcel I CGMW-01I CGMW-01I Intermediate 74.35 to 84.35 -44.33 to -54.33 9/30/2024	Parcel I CGMW-01D CGMW-01D Deep 126.47 to 136.47 -96.41 to -106.41 2/22/2022	Parcel I CGMW-01D CGMW-01D Deep 126.47 to 136.47 -96.41 to -106.41 10/5/2022	Parcel I CGMW-01D CGMW-01D Deep 126.47 to 136.47 -96.41 to -106.41 4/17/2023	Parcel I CGMW-01D CGMW-01D Deep 126.47 to 136.47 -96.41 to -106.41 11/15/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.4	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	0.94 J	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	5.8	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.56 U	0.50 U	0.52 U	0.16 J	0.19 J	0.54 U
Acenaphthylene	--	0.56 U	0.16 J	0.15 J	0.20 J	0.49 J	0.54 U
Anthracene	50	0.56 U	0.50 U	0.52 U	0.51 U	0.54 UJ	0.54 U
Benzo(a)anthracene	0.002	0.56 U	0.50 U	0.52 U	0.51 U	0.54 U	0.54 U
Benzo(a)pyrene	ND	0.56 U	0.19 J	0.52 U	0.51 U	0.54 U	0.54 U
Benzo(b)fluoranthene	0.002	0.56 U	0.50 U	0.52 U	0.51 U	0.54 U	0.54 U
Benzo(g,h,i)perylene	--	0.56 U	0.50 U	0.52 U	0.51 U	0.54 U	0.54 U
Benzo(k)fluoranthene	0.002	0.56 U	0.50 U	0.52 U	0.51 U	0.54 U	0.54 U
Chrysene	0.002	0.56 U	0.50 U	0.52 U	0.51 U	0.54 UJ	0.54 U
Dibenz(a,h)anthracene	--	0.56 U	0.50 U	0.52 U	0.51 U	0.54 U	0.54 U
Fluoranthene	50	0.56 U	0.50 U	0.52 U	0.51 U	0.54 UJ	0.54 U
Fluorene	50	0.56 U	0.50 U	0.52 U	0.51 U	0.54 UJ	0.54 U
Indeno(1,2,3-cd)pyrene	0.002	0.56 U	0.50 U	0.52 U	0.51 U	0.54 U	0.54 U
Methylnaphthalene, 2-	--	0.56 U	0.50 U	0.52 U	0.51 U	0.54 UJ	0.54 U
Naphthalene	10	0.45 J	0.50 U	0.13 J	0.21 J	1.0 J	0.56 UB
Phenanthrene	50	0.56 U	0.50 U	0.11 J	0.51 U	0.54 UJ	0.54 U
Pyrene	50	0.56 U	0.50 U	0.52 U	0.51 U	0.11 J	0.54 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	8.4 J	440 J	10 U	10 U	10 U	10 U

Table 4
Summary of Post-Remediation Groundwater Sample Data
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Former Citizens Gas Works Manufactured Gas Plant Site
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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-01D CGMW-01D Deep 126.47 to 136.47 -96.41 to -106.41 4/16/2024	Parcel I CGMW-01D CGMW-01D Deep 126.47 to 136.47 -96.41 to -106.41 10/23/2024	Parcel I CGMW-48 CGMW-48 Shallow 20.14 to 30.14 5.85 to -4.15 2/21/2022	Parcel I CGMW-48 CGMW-XX-20220221 Shallow 20.14 to 30.14 5.85 to -4.15 2/21/2022	Parcel I CGMW-48 CGMW-48 Shallow 20.14 to 30.14 5.85 to -4.15 10/4/2022	Parcel I CGMW-48 CGMW-48 Shallow 20.14 to 30.14 5.85 to -4.15 4/18/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	4.1	4.0	1.6	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	19	16	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	3.4	3.1	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	29	25	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.75	0.50 U	11	10	0.50 U	0.52 U
Acenaphthylene	--	1.1	0.50 U	1.7	1.5	0.50 U	0.52 U
Anthracene	50	0.54 U	0.50 U	1.9	1.5	0.50 U	0.52 U
Benzo(a)anthracene	0.002	0.54 U	0.50 U	0.21 J	0.20 J	0.50 U	0.52 U
Benzo(a)pyrene	ND	0.54 U	0.50 U	0.51 U	0.51 U	0.50 U	0.52 U
Benzo(b)fluoranthene	0.002	0.54 U	0.50 U	0.13 J	0.51 U	0.50 U	0.52 U
Benzo(g,h,i)perylene	--	0.54 U	0.50 U	0.51 U	0.51 U	0.50 U	0.52 U
Benzo(k)fluoranthene	0.002	0.54 U	0.50 U	0.51 U	0.51 U	0.50 U	0.52 U
Chrysene	0.002	0.54 U	0.50 U	0.30 J	0.22 J	0.50 U	0.52 U
Dibenz(a,h)anthracene	--	0.54 U	0.50 U	0.51 U	0.51 U	0.50 U	0.52 U
Fluoranthene	50	0.13 J	0.50 U	1.5	1.2	0.19 J	0.52 U
Fluorene	50	0.14 J	0.50 U	5.5	5.0	0.50 U	0.52 U
Indeno(1,2,3-cd)pyrene	0.002	0.54 U	0.50 U	0.51 U	0.51 U	0.50 U	0.52 U
Methylnaphthalene, 2-	--	0.54 U	0.50 U	26	23	0.50 U	0.52 U
Naphthalene	10	0.54 U	0.50 U	75	63	0.50 U	0.52 U
Phenanthrene	50	0.54 U	0.50 U	8.3	6.7	0.50 U	0.52 U
Pyrene	50	0.18 J	0.50 U	1.8	1.7	0.21 J	0.52 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	5.0 J	10 U	29	26	10 U	6.9 J

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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-48 CGMW-48 Shallow 20.14 to 30.14 5.85 to -4.15 11/16/2023	Parcel I CGMW-48 CGMW-48 Shallow 20.14 to 30.14 5.85 to -4.15 4/16/2024	Parcel I CGMW-48 CGMW-48 Shallow 20.14 to 30.14 5.85 to -4.15 9/30/2024	Parcel I CGMW-49 CGMW-49 Shallow 9.10 to 19.10 8.73 to -1.27 2/28/2022	Parcel I CGMW-49 CGMW-49 Shallow 9.10 to 19.10 8.73 to -1.27 10/4/2022	Parcel I CGMW-49 CGMW-XX-20221004 Shallow 9.10 to 19.10 8.73 to -1.27 10/4/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	15	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	32	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	7.0	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	30	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.50 U	0.51 U	0.56 U	4.6	0.51 U	0.51 U
Acenaphthylene	--	0.50 U	0.51 U	0.56 U	0.54	0.51 U	0.51 U
Anthracene	50	0.10 J	0.51 U	0.56 U	1.2	0.51 U	0.51 U
Benzo(a)anthracene	0.002	0.50 U	0.51 U	0.56 U	0.21 J	0.51 U	0.51 U
Benzo(a)pyrene	ND	0.50 U	0.51 U	0.56 U	0.51 U	0.19 J	0.51 U
Benzo(b)fluoranthene	0.002	0.50 U	0.51 U	0.56 U	0.51 U	0.11 J	0.51 U
Benzo(g,h,i)perylene	--	0.50 U	0.51 U	0.56 U	0.51 U	0.51 U	0.51 U
Benzo(k)fluoranthene	0.002	0.50 U	0.51 U	0.56 U	0.51 U	0.51 U	0.51 U
Chrysene	0.002	0.50 U	0.51 U	0.56 U	0.21 J	0.51 U	0.51 U
Dibenz(a,h)anthracene	--	0.50 U	0.51 U	0.56 U	0.51 U	0.51 U	0.51 U
Fluoranthene	50	0.12 J	0.10 J	0.56 U	1.2	0.15 J	0.51 U
Fluorene	50	0.50 U	0.51 U	0.56 U	3.0	0.51 U	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.51 U	0.56 U	0.51 U	0.51 U	0.51 U
Methylnaphthalene, 2-	--	0.50 U	0.51 U	0.56 U	16	0.51 U	0.51 U
Naphthalene	10	0.50 UB	0.85	0.56 U	44	0.51 U	0.51 U
Phenanthrene	50	0.50 U	0.51 U	0.56 U	6.8	0.51 U	0.51 U
Pyrene	50	0.17 J	0.16 J	0.56 U	1.8	0.25 J	0.25 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	10 UJ	10 U	10 U	10 U	10 U

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Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-49 CGMW-49 Shallow 9.10 to 19.10 8.73 to -1.27 4/18/2023	Parcel I CGMW-49 CGMW-49 Shallow 9.10 to 19.10 8.73 to -1.27 11/14/2023	Parcel I CGMW-49 CGMW-49 Shallow 9.10 to 19.10 8.73 to -1.27 4/22/2024	Parcel I CGMW-49 CGMW-49 Shallow 9.10 to 19.10 8.73 to -1.27 9/30/2024	Parcel I CGMW-50 CGMW-50 Shallow 21.00 to 31.00 6.37 to -3.63 2/21/2022	Parcel I CGMW-50 CGMW-50 Shallow 21.00 to 31.00 6.37 to -3.63 10/5/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	23	9.4	1.6	1.0	2.9	18
Ethylbenzene	5	39	16	1.8	6.2	540	360
Toluene	5	1.5 UB	1.1	1.0 U	0.59 J	3.5	3.9
Xylenes, Total	--	12	3.2	1.0 U	21	190	200
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	12	2.9 J	0.56 U	0.70	23	15
Acenaphthylene	--	0.53	0.48 UJ	0.56 U	0.51 U	2.6	1.4
Anthracene	50	0.64	0.095 J	0.56 U	0.51 U	2.0	1.1
Benzo(a)anthracene	0.002	0.50 U	0.48 U	0.56 U	0.51 U	0.66	0.11 J
Benzo(a)pyrene	ND	0.50 U	0.48 U	0.56 U	0.51 U	0.55	0.50 U
Benzo(b)fluoranthene	0.002	0.50 U	0.48 U	0.56 U	0.51 U	0.45 J	0.50 U
Benzo(g,h,i)perylene	--	0.50 U	0.48 UJ	0.56 U	0.51 U	0.26 J	0.50 U
Benzo(k)fluoranthene	0.002	0.50 U	0.48 U	0.56 U	0.51 U	0.17 J	0.50 U
Chrysene	0.002	0.50 U	0.48 U	0.56 U	0.51 U	0.51	0.12 J
Dibenz(a,h)anthracene	--	0.50 U	0.48 UJ	0.56 U	0.51 U	0.51 U	0.50 U
Fluoranthene	50	0.64	0.48 UJ	0.56 U	0.23 J	1.7	0.49 J
Fluorene	50	3.1	0.80 J	0.56 U	0.51 U	8.1	5.7
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.48 UJ	0.56 U	0.51 U	0.23 J	0.50 U
Methylnaphthalene, 2-	--	4.3	0.48 UJ	0.56 U	0.91	78	65
Naphthalene	10	47	0.55 J	0.56 U	33	680 D	1,200 D
Phenanthrene	50	4.2	0.54 J	0.56 U	0.51 U	10	7.5
Pyrene	50	0.90	0.21 J	0.56 U	0.35 J	2.0	0.56
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	5.8 J	7.3 J	R	8.0 J	390	310

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-50 CGMW-50 Shallow 21.00 to 31.00 6.37 to -3.63 4/19/2023	Parcel I CGMW-51S CGMW-51S Shallow 6.10 to 16.10 6.50 to -3.50 3/4/2022	Parcel I CGMW-51S CGMW-51S Shallow 6.10 to 16.10 6.50 to -3.50 10/10/2022	Parcel I CGMW-51S CGMW-51S Shallow 6.10 to 16.10 6.50 to -3.50 4/18/2023	Parcel I CGMW-51S CGMW-51S Shallow 6.10 to 16.10 6.50 to -3.50 11/14/2023	Parcel I CGMW-51S CGMW-51S Shallow 6.10 to 16.10 6.50 to -3.50 4/16/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	5.2	1.2	2.5 J	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	400 D	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Toluene	5	2.4	0.54 J	1.0 UJ	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	86	1.2	1.0 UJ	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	1.2	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Acenaphthylene	--	0.25 J	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Anthracene	50	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Benzo(a)anthracene	0.002	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Benzo(a)pyrene	ND	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Benzo(b)fluoranthene	0.002	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 UJ	0.52 U
Benzo(g,h,i)perylene	--	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Benzo(k)fluoranthene	0.002	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Chrysene	0.002	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Dibenz(a,h)anthracene	--	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Fluoranthene	50	0.53 U	0.12 J	0.50 UJ	0.54 U	0.46 U	0.52 U
Fluorene	50	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Indeno(1,2,3-cd)pyrene	0.002	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 UJ	0.52 U
Methylnaphthalene, 2-	--	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Naphthalene	10	0.99 UB	0.49 J	0.50 UJ	0.27 J	0.46 UB	0.52 U
Phenanthrene	50	0.53 U	0.50 U	0.50 UJ	0.54 U	0.46 U	0.52 U
Pyrene	50	0.55	0.20 J	0.50 UJ	0.54 U	0.11 J	0.52 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	410	45	6.7 J	8.4 J	6.3 J	12 J

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Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-51S CGMW-51S Shallow 6.10 to 16.10 6.50 to -3.50 9/30/2024	Parcel I CGMW-52S CGMW-52S Shallow 17.60 to 27.60 6.44 to -3.56 2/21/2022	Parcel I CGMW-52S CGMW-52S Shallow 17.60 to 27.60 6.44 to -3.56 10/6/2022	Parcel I CGMW-52S CGMW-52S Shallow 17.60 to 27.60 6.44 to -3.56 4/18/2023	Parcel I CGMW-52S CGMW-52S Shallow 17.60 to 27.60 6.44 to -3.56 11/15/2023	Parcel I CGMW-52S CGMW-52S Shallow 17.60 to 27.60 6.44 to -3.56 4/16/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	390	340 D	600 D	950 D	230
Ethylbenzene	5	1.0 U	360	440 D	790 D	990 D	220
Toluene	5	1.0 U	3.4	3.9	7.3	7.2 J	1.9
Xylenes, Total	--	1.0 U	74	110	200	150 J	75
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.53 U	39	64	52	64	53
Acenaphthylene	--	0.53 U	1.4	1.6	1.4	1.2	1.2
Anthracene	50	0.53 U	1.8	1.8	1.2	2.2	2.4
Benzo(a)anthracene	0.002	0.53 U	0.11 J	0.12 J	0.53 U	0.53 U	0.12 J
Benzo(a)pyrene	ND	0.53 U	0.51 U	0.52 U	0.53 U	0.53 U	0.51 U
Benzo(b)fluoranthene	0.002	0.53 U	0.51 U	0.52 U	0.53 U	0.53 U	0.51 U
Benzo(g,h,i)perylene	--	0.53 U	0.51 U	0.52 U	0.53 U	0.53 U	0.51 U
Benzo(k)fluoranthene	0.002	0.53 U	0.51 U	0.52 U	0.53 U	0.53 U	0.51 U
Chrysene	0.002	0.53 U	0.11 J	0.52 U	0.53 U	0.53 U	0.13 J
Dibenz(a,h)anthracene	--	0.53 U	0.51 U	0.52 U	0.53 U	0.53 U	0.51 U
Fluoranthene	50	0.53 U	0.94	0.61	0.32 J	0.46 J	0.54
Fluorene	50	0.53 U	11	20	15	17	19
Indeno(1,2,3-cd)pyrene	0.002	0.53 U	0.51 U	0.52 U	0.53 U	0.53 U	0.51 U
Methylnaphthalene, 2-	--	0.53 U	44	55	26	21	28
Naphthalene	10	0.53 U	730 D	800 D	340 D	160 D	450 D
Phenanthrene	50	0.53 U	9.2	13	6.3	18	17
Pyrene	50	0.53 U	0.97	0.74	0.43 J	0.54	0.55
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 UJ	11	7.2 J	24	10 U	10 J

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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-52S CGMW-52S Shallow 17.60 to 27.60 6.44 to -3.56 10/1/2024	Parcel I CGMW-52I CGMW-52I Intermediate 70.20 to 80.20 -46.29 to -56.29 2/21/2022	Parcel I CGMW-52I CGMW-52I Intermediate 70.20 to 80.20 -46.29 to -56.29 10/7/2022	Parcel I CGMW-52I CGMW-52I Intermediate 70.20 to 80.20 -46.29 to -56.29 4/18/2023	Parcel I CGMW-52I CGMW-52I Intermediate 70.20 to 80.20 -46.29 to -56.29 11/15/2023	Parcel I CGMW-52I CGMW-52I Intermediate 70.20 to 80.20 -46.29 to -56.29 4/16/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	9.1	1,200 D	3,400 DJ	1,900 D	1,900 D	2,300 D
Ethylbenzene	5	32	570	2,400 DJ	2,100 D	2,000 D	2,500 D
Toluene	5	0.77 J	27	110 J	97	73	61
Xylenes, Total	--	36	210	840 J	730 D	490	1,100 D
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	45	20	110	110	110	100
Acenaphthylene	--	1.1	6.1	30	38	33	6.1
Anthracene	50	2.2	0.72	6.2	5.5	6.2	4.9
Benzo(a)anthracene	0.002	0.51 U	0.51 U	0.52 U	0.51 U	0.53 U	0.51 U
Benzo(a)pyrene	ND	0.51 U	0.51 U	0.52 U	0.51 U	0.53 U	0.51 U
Benzo(b)fluoranthene	0.002	0.51 U	0.51 U	0.52 U	0.51 U	0.53 U	0.51 U
Benzo(g,h,i)perylene	--	0.51 U	0.51 U	0.52 U	0.51 U	0.53 U	0.51 U
Benzo(k)fluoranthene	0.002	0.51 U	0.51 U	0.52 U	0.51 U	0.53 U	0.51 U
Chrysene	0.002	0.51 U	0.51 U	0.52 U	0.51 U	0.53 U	0.51 U
Dibenz(a,h)anthracene	--	0.51 U	0.51 U	0.52 U	0.51 U	0.53 U	0.51 U
Fluoranthene	50	0.75	0.44 J	1.6	1.4	1.4	1.5
Fluorene	50	15	4.7	28	24	23	23
Indeno(1,2,3-cd)pyrene	0.002	0.51 U	0.51 U	0.52 U	0.51 U	0.53 U	0.51 U
Methylnaphthalene, 2-	--	0.51 U	15	220 D	420	52	260 D
Naphthalene	10	0.51 U	1.5	4,600 D	4,600 D	1,200 D	4,700 D
Phenanthrene	50	13	0.20 J	35	34	35	30
Pyrene	50	0.69	0.62	1.8	2.0	2.4	2.4
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ

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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-52I CGMW-52I Intermediate 70.20 to 80.20 -46.29 to -56.29 10/1/2024	Parcel I CGMW-53S CGMW-53S Shallow 8.20 to 18.20 11.71 to 1.71 3/2/2022	Parcel I CGMW-53S CGMW-53S Shallow 8.20 to 18.20 11.71 to 1.71 10/7/2022	Parcel I CGMW-53S CGMW-53S Shallow 8.20 to 18.20 11.71 to 1.71 4/18/2023	Parcel I CGMW-53S CGMW-53S Shallow 8.20 to 18.20 11.71 to 1.71 11/14/2023	Parcel I CGMW-53S CGMW-53S Shallow 8.20 to 18.20 11.71 to 1.71 4/18/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	180	7,100 D	3,000 D	4,600 D	3,600 D	2,000
Ethylbenzene	5	70	4,400 D	1,800	2,200 D	1,200	700
Toluene	5	4.8	120	81	57	31	17
Xylenes, Total	--	36	1,100	550	640 D	360	170
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	67	32	30	29	14	4.2
Acenaphthylene	--	1.9	2.1	1.8	1.9	1.3	0.49 J
Anthracene	50	2.1	3.6	3.0	3.0	2.3	1.1
Benzo(a)anthracene	0.002	0.53 U	0.34 J	0.31 J	0.40 J	0.39 J	0.23 J
Benzo(a)pyrene	ND	0.53 U	0.51 U	0.22 J	0.28 J	0.27 J	0.52 U
Benzo(b)fluoranthene	0.002	0.53 U	0.51 U	0.21 J	0.20 J	0.46 UJ	0.52 U
Benzo(g,h,i)perylene	--	0.53 U	0.51 U	0.51 U	0.20 J	0.46 U	0.52 U
Benzo(k)fluoranthene	0.002	0.53 U	0.51 U	0.51 U	0.52 U	0.46 U	0.52 U
Chrysene	0.002	0.53 U	0.44 J	0.31 J	0.44 J	0.32 J	0.25 J
Dibenz(a,h)anthracene	--	0.53 U	0.51 U	0.51 U	0.52 U	0.46 U	0.52 U
Fluoranthene	50	0.49 J	2.4	1.7	1.6	1.5	0.81
Fluorene	50	11	14	12	14	6.2	2.2
Indeno(1,2,3-cd)pyrene	0.002	0.53 U	0.51 U	0.51 U	0.28 J	0.46 UJ	0.52 U
Methylnaphthalene, 2-	--	0.53 U	90	26	27	6.4	1.8
Naphthalene	10	0.53 U	1,100 D	430 D	420 D	280 D	90
Phenanthrene	50	12	19	12	13	6.4	1.8
Pyrene	50	0.54	2.6	2.1	2.1	1.7	1.0
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 UJ	12	8.1 J	85	7.9 J	10 UBJ

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Fall 2024 Post-Remediation Groundwater Monitoring Report

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Former Citizens Gas Works Manufactured Gas Plant Site
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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-53I CGMW-53I Intermediate 56.45 to 66.45 -36.76 to -46.76 3/2/2022	Parcel I CGMW-53I CGMW-53I Intermediate 56.45 to 66.45 -36.76 to -46.76 10/7/2022	Parcel I CGMW-53I CGMW-53I Intermediate 56.45 to 66.45 -36.76 to -46.76 4/18/2023	Parcel I CGMW-53I CGMW-53I Intermediate 56.45 to 66.45 -36.76 to -46.76 11/16/2023	Parcel I CGMW-53I CGMW-53I Intermediate 56.45 to 66.45 -36.76 to -46.76 4/18/2024	Parcel I CGMW-53I CGMW-53I Intermediate 56.45 to 66.45 -36.76 to -46.76 10/1/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	21	27	18	16	24	1.9
Ethylbenzene	5	2.6	4.5	1.4	0.98 J	1.8	1.0 U
Toluene	5	3.0	3.4	1.0 UB	1.0 U	0.84 J	1.0 U
Xylenes, Total	--	11	16	1.0 U	1.0 U	0.99 J	0.61 J
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	2.1	3.3	0.51 J	1.3	2.9	0.51 U
Acenaphthylene	--	4.4	4.4	0.25 J	0.99	0.45 J	0.28 J
Anthracene	50	3.5	1.5	0.37 J	0.39 J	0.47 J	0.24 J
Benzo(a)anthracene	0.002	0.37 J	0.46 J	0.21 J	0.27 J	0.16 J	0.11 J
Benzo(a)pyrene	ND	0.50 U	0.31 J	0.53 U	0.50 U	0.50 U	0.15 J
Benzo(b)fluoranthene	0.002	0.50 U	0.27 J	0.53 U	0.50 U	0.50 U	0.17 J
Benzo(g,h,i)perylene	--	0.50 U	0.50 U	0.53 U	0.50 U	0.50 U	0.12 J
Benzo(k)fluoranthene	0.002	0.50 U	0.50 U	0.53 U	0.50 U	0.50 U	0.51 U
Chrysene	0.002	0.31 J	0.48 J	0.28 J	0.28 J	0.17 J	0.15 J
Dibenz(a,h)anthracene	--	0.50 U	0.50 U	0.53 U	0.50 U	0.50 U	0.51 U
Fluoranthene	50	3.1	1.6	0.62	0.74	0.50	0.17 J
Fluorene	50	5.5	2.5	0.24 J	0.30 J	0.47 J	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.17 J	0.53 U	0.50 U	0.50 U	0.13 J
Methylnaphthalene, 2-	--	18	9.8	0.53 U	0.50 U	0.50 U	0.51 U
Naphthalene	10	44	27	0.63	0.50 UB	4.6	0.51 U
Phenanthrene	50	15	5.1	0.59	1.2	0.95	0.51 U
Pyrene	50	4.1	2.2	0.98	1.0	0.66	0.26 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	11	5.8 J	28	61	22	10 UJ

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel II CGMW-54 CGMW-54 Shallow 3.20 to 13.20 8.21 to -1.79 3/1/2022	Parcel II CGMW-54 CGMW-54 Shallow 3.20 to 13.20 8.21 to -1.79 10/6/2022	Parcel II CGMW-54 CGMW-54 Shallow 3.20 to 13.20 8.21 to -1.79 4/18/2023	Parcel II CGMW-54 CGMW-XX-20230418 Shallow 3.20 to 13.20 8.21 to -1.79 4/18/2023	Parcel II CGMW-54 CGMW-54 Shallow 3.20 to 13.20 8.21 to -1.79 11/14/2023	Parcel II CGMW-54 CGMW-54 Shallow 3.20 to 13.20 8.21 to -1.79 4/15/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	29	54	39	39	74	1.0 U
Ethylbenzene	5	12	12	5.5	5.3	7.5	1.0 U
Toluene	5	1.8	1.8	1.0 UB	1.0 UB	0.73 J	1.0 U
Xylenes, Total	--	6.3	6.6	3.2	3.4	1.4	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	16	31	11	12	18	0.53 U
Acenaphthylene	--	0.27 J	0.51 U	0.16 J	0.20 J	0.18 J	0.53 U
Anthracene	50	1.7	2.9	0.32 J	0.39 J	0.43 J	0.53 U
Benzo(a)anthracene	0.002	0.49 J	0.19 J	0.51 U	0.51 U	0.46 U	0.53 U
Benzo(a)pyrene	ND	0.30 J	0.51 U	0.51 U	0.51 U	0.46 U	0.53 U
Benzo(b)fluoranthene	0.002	0.29 J	0.51 U	0.51 U	0.51 U	0.46 UJ	0.53 U
Benzo(g,h,i)perylene	--	0.50 U	0.51 U	0.51 U	0.51 U	0.46 U	0.53 U
Benzo(k)fluoranthene	0.002	0.13 J	0.51 U	0.51 U	0.51 U	0.46 U	0.53 U
Chrysene	0.002	0.52	0.17 J	0.51 U	0.51 U	0.46 U	0.53 U
Dibenz(a,h)anthracene	--	0.50 U	0.51 U	0.51 U	0.51 U	0.46 U	0.53 U
Fluoranthene	50	2.4	2.2	0.30 J	0.35 J	0.45 J	0.53 U
Fluorene	50	4.4	10	2.1	2.5	3.1	0.53 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.51 U	0.51 U	0.51 U	0.46 UJ	0.53 U
Methylnaphthalene, 2-	--	7.5	3.4	0.51 U	0.51 U	7.1	0.53 U
Naphthalene	10	92	5.2 J	35	35	44	0.53 U
Phenanthrene	50	6.0	9.7	1.1	1.4	1.3	0.53 U
Pyrene	50	2.0	1.8	0.28 J	0.36 J	0.40 J	0.53 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	12 J	12	26	8.4 J	10 U

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel I CGMW-54 CGMW-54 Shallow 3.20 to 13.20 8.21 to -1.79 10/1/2024	Parcel II CGMW-54 CGMW-XX-20241001 Shallow 3.20 to 13.20 8.21 to -1.79 10/1/2024	Parcel II CGMW-55S CGMW-55S Shallow 5.10 to 15.10 4.94 to -5.06 3/1/2022	Parcel II CGMW-55S CGMW-55S Shallow 5.10 to 15.10 4.94 to -5.06 10/7/2022	Parcel II CGMW-55S CGMW-55S Shallow 5.10 to 15.10 4.94 to -5.06 4/19/2023	Parcel II CGMW-55S CGMW-55S Shallow 5.10 to 15.10 4.94 to -5.06 11/15/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	38 J	57 J	280	270	280 D	290
Ethylbenzene	5	0.69 J	1.0	75	32	19	45
Toluene	5	0.63 J	0.91 J	5.0	2.9 J	2.6	3.9
Xylenes, Total	--	0.58 J	0.88 J	31	19	23	25
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	6.3	5.5	21	34	1.7	32
Acenaphthylene	--	0.14 J	0.12 J	1.1	1.3	0.35 J	5.0 U
Anthracene	50	0.20 J	0.19 J	4.7	1.5	0.52 U	2.0 J
Benzo(a)anthracene	0.002	0.54 U	0.54 U	0.56	0.23 J	0.52 U	5.0 U
Benzo(a)pyrene	ND	0.54 U	0.54 U	0.48 J	0.50 U	0.52 U	5.0 U
Benzo(b)fluoranthene	0.002	0.54 U	0.54 U	0.37 J	0.14 J	0.52 U	5.0 U
Benzo(g,h,i)perylene	--	0.54 U	0.54 U	0.27 J	0.50 U	0.52 U	5.0 U
Benzo(k)fluoranthene	0.002	0.54 U	0.54 U	0.51 U	0.50 U	0.52 U	5.0 U
Chrysene	0.002	0.54 U	0.54 U	0.57	0.23 J	0.52 U	5.0 U
Dibenz(a,h)anthracene	--	0.54 U	0.54 U	0.51 U	0.50 U	0.52 U	5.0 U
Fluoranthene	50	0.12 J	0.11 J	3.9	1.9	0.33 J	1.9 J
Fluorene	50	1.4	1.2	20	18	0.47 J	17
Indeno(1,2,3-cd)pyrene	0.002	0.54 U	0.54 U	0.23 J	0.50 U	0.16 J	5.0 U
Methylnaphthalene, 2-	--	0.18 J	0.15 J	5.5	3.8	0.52 U	4.1 J
Naphthalene	10	0.47 J	0.54 U	940 D	370 D	0.78 UB	200
Phenanthrene	50	0.32 J	0.27 J	16	3.6	0.52 U	5.9
Pyrene	50	0.15 J	0.13 J	3.7	2.1	1.1	2.0 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 UJ	10 UJ	10 U	6.5 J	70	10 U

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel II CGMW-55S CGMW-55S Shallow 5.10 to 15.10 4.94 to -5.06 4/15/2024	Parcel II CGMW-55S CGMW-55S Shallow 5.10 to 15.10 4.94 to -5.06 10/1/2024	Parcel II CGMW-55I CGMW-55I Intermediate 55.95 to 65.95 -46.69 to -56.69 3/1/2022	Parcel II CGMW-55I CGMW-55I Intermediate 55.95 to 65.95 -46.69 to -56.69 10/7/2022	Parcel II CGMW-55I CGMW-55I Intermediate 55.95 to 65.95 -46.69 to -56.69 4/19/2023	Parcel II CGMW-55I CGMW-55I Intermediate 55.95 to 65.95 -46.69 to -56.69 11/15/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	360 D	360	280	38	31	30
Ethylbenzene	5	23	18	120	4.5	0.63 J	1.0 U
Toluene	5	3.9	3.1 J	6.3	0.47 J	0.25 J	1.0 U
Xylenes, Total	--	26	21	20	0.51 J	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	31	46	13	0.51 U	0.33 J	1.4
Acenaphthylene	--	0.91 J	0.50 U	4.6	0.51 U	0.17 J	2.6
Anthracene	50	0.58 J	0.83	1.8	0.51 U	0.51 U	0.28 J
Benzo(a)anthracene	0.002	2.6 U	0.13 J	0.12 J	0.51 U	0.51 U	0.50 U
Benzo(a)pyrene	ND	2.6 U	0.11 J	0.51 U	0.51 U	0.51 U	0.50 U
Benzo(b)fluoranthene	0.002	2.6 U	0.50 U	0.51 U	0.51 U	0.51 U	0.50 U
Benzo(g,h,i)perylene	--	2.6 U	0.50 U	0.51 U	0.51 U	0.51 U	0.50 U
Benzo(k)fluoranthene	0.002	2.6 U	0.50 U	0.51 U	0.51 U	0.51 U	0.50 U
Chrysene	0.002	2.6 U	0.15 J	0.51 U	0.51 U	0.14 J	0.50 U
Dibenz(a,h)anthracene	--	2.6 U	0.50 U	0.51 U	0.51 U	0.51 U	0.50 U
Fluoranthene	50	0.72 J	0.97	1.3	0.10 J	0.39 J	0.59
Fluorene	50	17	25	4.7	0.51 U	0.20 J	0.36 J
Indeno(1,2,3-cd)pyrene	0.002	2.6 U	0.50 U	0.51 U	0.51 U	0.51 U	0.50 U
Methylnaphthalene, 2-	--	6.3	4.7	3.0	0.51 U	0.51 U	0.50 U
Naphthalene	10	300	0.50 U	14	0.51 U	0.51 UB	0.50 U
Phenanthrene	50	2.8	4.0	12	0.51 U	0.51 U	1.1
Pyrene	50	0.84 J	0.87	1.5	1.2	0.86	0.86
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	26	10 UJ	10 U	10 UJ	6.6 J	11

Table 4
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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel II CGMW-55I CGMW-55I Intermediate 55.95 to 65.95 -46.69 to -56.69 4/15/2024	Parcel II CGMW-55I CGMW-55I Intermediate 55.95 to 65.95 -46.69 to -56.69 10/1/2024	Parcel II CGMW-56 CGMW-56 Shallow 3.30 to 13.30 4.19 to -5.81 3/1/2022	Parcel II CGMW-56 CGMW-56 Shallow 3.30 to 13.30 4.19 to -5.81 10/10/2022	Parcel II CGMW-56 CGMW-56 Shallow 3.30 to 13.30 4.19 to -5.81 4/19/2023	Parcel II CGMW-56 CGMW-56 Shallow 3.30 to 13.30 4.19 to -5.81 11/15/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	21	13	1.0 U	1.0 UJ	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	0.20 J	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	1.0	0.86	0.50 U	0.15 J	0.51 U	0.46 U
Acenaphthylene	--	3.2	2.5	0.50 U	0.52 UJ	0.51 U	0.46 U
Anthracene	50	0.20 J	0.12 J	0.50 U	0.52 UJ	0.51 U	0.46 U
Benzo(a)anthracene	0.002	0.52 U	0.50 U	0.50 U	0.52 UJ	0.51 U	0.46 U
Benzo(a)pyrene	ND	0.52 U	0.50 U	0.50 U	0.52 UJ	0.51 U	0.46 U
Benzo(b)fluoranthene	0.002	0.52 U	0.50 U	0.50 U	0.52 UJ	0.51 U	0.46 U
Benzo(g,h,i)perylene	--	0.52 U	0.50 U	0.50 U	0.52 UJ	0.51 U	0.46 U
Benzo(k)fluoranthene	0.002	0.52 U	0.50 U	0.50 U	0.52 UJ	0.51 U	0.46 U
Chrysene	0.002	0.52 U	0.50 U	0.50 U	0.52 UJ	0.51 U	0.46 U
Dibenz(a,h)anthracene	--	0.52 U	0.50 U	0.50 U	0.52 UJ	0.51 U	0.46 U
Fluoranthene	50	0.38 J	0.25 J	0.29 J	0.14 J	0.17 J	0.46 U
Fluorene	50	0.26 J	0.16 J	0.50 U	0.52 UJ	0.51 U	0.46 U
Indeno(1,2,3-cd)pyrene	0.002	0.52 U	0.50 U	0.50 U	0.52 UJ	0.51 U	0.46 U
Methylnaphthalene, 2-	--	0.52 U	0.50 U	0.50 U	0.17 J	0.14 J	0.46 U
Naphthalene	10	0.10 J	0.50 U	0.15 J	0.44 J	1.4 UB	0.53 UB
Phenanthrene	50	1.2	0.59	0.24 J	0.16 J	0.51 U	0.46 U
Pyrene	50	0.58	0.37 J	0.56	0.32 J	0.28 J	0.46 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	10 UJ	10 U	13 J	10	10 U

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel II CGMW-56 CGMW-XX-111523 Shallow 3.30 to 13.30 4.19 to -5.81 11/15/2023	Parcel II CGMW-56 CGMW-56 Shallow 3.30 to 13.30 4.19 to -5.81 4/15/2024	Parcel II CGMW-56 CGMW-56 Shallow 3.30 to 13.30 4.19 to -5.81 9/30/2024	Parcel II CGPZ-07 CGPZ-07 Shallow 2.70 to 15.70 5.26 to -7.74 3/4/2022	Parcel II CGPZ-07 CGPZ-07 Shallow 2.70 to 15.70 5.26 to -7.74 4/19/2023	Parcel II CGPZ-07 CGPZ-07 Shallow 2.70 to 15.70 5.26 to -7.74 11/16/2023	Parcel II CGPZ-07 CGPZ-07 Shallow 2.70 to 15.70 5.26 to -7.74 4/15/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)								
Benzene	1	1.0 U	1.0 U	1.0 U	47	1.0 U	3.0	18
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	50	1.5	30	19
Toluene	5	1.0 U	1.0 U	1.0 U	7.8	0.33 J	1.0	0.84 J
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	52	1.0 U	7.8	7.6
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)								
Acenaphthene	20	0.47 U	0.52 U	0.54 U	5.7	0.26 J	14	5.2
Acenaphthylene	--	0.47 U	0.52 U	0.54 U	3.1	0.16 J	9.4	2.6
Anthracene	50	0.47 U	0.52 U	0.54 U	0.57	0.51 U	2.2	0.40 J
Benzo(a)anthracene	0.002	0.47 U	0.52 U	0.54 U	0.50 U	0.51 U	0.45 U	0.51 U
Benzo(a)pyrene	ND	0.47 U	0.52 U	0.54 U	0.50 U	0.51 U	0.45 U	0.51 U
Benzo(b)fluoranthene	0.002	0.47 U	0.52 U	0.54 U	0.50 U	0.51 U	0.45 U	0.51 U
Benzo(g,h,i)perylene	--	0.47 U	0.52 U	0.54 U	0.50 U	0.51 U	0.45 U	0.51 U
Benzo(k)fluoranthene	0.002	0.47 U	0.52 U	0.54 U	0.50 U	0.51 U	0.45 U	0.51 U
Chrysene	0.002	0.47 U	0.52 U	0.54 U	0.50 U	0.51 U	0.45 U	0.51 U
Dibenz(a,h)anthracene	--	0.47 U	0.52 U	0.54 U	0.50 U	0.51 U	0.45 U	0.51 U
Fluoranthene	50	0.47 U	0.52 U	0.54 U	1.4	0.22 J	2.5	0.84
Fluorene	50	0.47 U	0.52 U	0.54 U	2.6	0.51 U	1.1	0.30 J
Indeno(1,2,3-cd)pyrene	0.002	0.47 U	0.52 U	0.54 U	0.50 U	0.51 U	0.45 U	0.51 U
Methylnaphthalene, 2-	--	0.47 U	0.52 U	0.54 U	0.78	0.51 U	0.26 J	0.51 U
Naphthalene	10	0.47 U	0.52 U	0.54 U	0.50 U	0.51 UB	10	8.1
Phenanthrene	50	0.47 U	0.52 U	0.54 U	1.6	0.51 U	2.2	0.61
Pyrene	50	0.47 U	0.52 U	0.54 U	0.67	0.51 U	1.8	0.62
Total Cyanide (USEPA SW-846 Method 9012B)								
Cyanide, Total	200	10 U	11	5.0 J	10 U	10 U	8.9 J	10 U

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel II CGPZ-07 CGPZ-07 Shallow 2.70 to 15.70 5.26 to -7.74 10/4/2024	Parcel II CGPZ-08 CGPZ-08 Shallow 2.00 to 15.00 6.49 to -6.51 3/4/2022	Parcel II CGPZ-08 CGPZ-08 Shallow 2.00 to 15.00 6.49 to -6.51 4/18/2023	Parcel II CGPZ-08 CGPZ-08 Shallow 2.00 to 15.00 6.49 to -6.51 11/16/2023	Parcel II CGPZ-08 CGPZ-08 Shallow 2.00 to 15.00 6.49 to -6.51 4/15/2024	Parcel II CGPZ-08 CGPZ-08 Shallow 2.00 to 15.00 6.49 to -6.51 10/4/2024	Parcel II CGPZ-09 CGPZ-09 Shallow 2.20 to 15.20 9.02 to -3.98 3/7/2022	Parcel II CGPZ-09 CGPZ-09 Shallow 2.00 to 15.00 9.22 to -3.78 4/18/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)									
Benzene	1	1.0 U	39	1.0 U	1.0 U	3.4	1.0 U	0.43 J	1.0 U
Ethylbenzene	5	1.0 U	8.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	4.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	5.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)									
Acenaphthene	20	1.6	9.6	5.9	4.4	3.4	1.2	0.50 U	0.50 U
Acenaphthylene	--	0.57	0.74	0.68	0.31 J	0.45 J	0.16 J	0.50 U	0.50 U
Anthracene	50	0.13 J	0.50 U	0.50 U	0.46 U	0.15 J	0.50 U	0.50 U	0.50 U
Benzo(a)anthracene	0.002	0.49 U	0.50 U	0.50 U	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Benzo(a)pyrene	ND	0.49 U	0.50 U	0.50 U	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Benzo(b)fluoranthene	0.002	0.49 U	0.50 U	0.50 U	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Benzo(g,h,i)perylene	--	0.49 U	0.50 U	0.50 U	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Benzo(k)fluoranthene	0.002	0.49 U	0.50 U	0.50 U	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Chrysene	0.002	0.49 U	0.50 U	0.50 U	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Dibenz(a,h)anthracene	--	0.49 U	0.50 U	0.50 U	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Fluoranthene	50	0.21 J	0.81	1.4	0.58	0.74	0.52	0.50 U	0.50 U
Fluorene	50	0.49 U	0.50 U	0.17 J	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Indeno(1,2,3-cd)pyrene	0.002	0.49 U	0.50 U	0.50 U	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Methylnaphthalene, 2-	--	0.49 U	0.50 U	0.50 U	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Naphthalene	10	0.49 U	0.50 U	0.16 J	0.46 U	0.52 U	0.50 U	0.50 U	0.35 J
Phenanthrene	50	0.49 U	0.50 U	0.50 U	0.46 U	0.52 U	0.50 U	0.50 U	0.50 U
Pyrene	50	0.21 J	0.43 J	0.82	0.46 U	0.81	0.69	0.50 U	0.50 U
Total Cyanide (USEPA SW-846 Method 9012B)									
Cyanide, Total	200	10 U	10 U	7.7 J	10 U	10 U	10 U	10 U	6.0 J

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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel II CGPZ-09 CGPZ-09 Shallow 2.00 to 15.00 9.22 to -3.78 11/16/2023	Parcel II CGPZ-09 CGPZ-09 Shallow 2.00 to 15.00 9.22 to -3.78 4/15/2024	Parcel II CGPZ-09 CGPZ-09 Shallow 2.00 to 15.00 9.22 to -3.78 10/4/2024	Parcel II CGPZ-10 CGPZ-10 Shallow 2.30 to 15.30 9.81 to -3.19 3/7/2022	Parcel II CGPZ-10 CGPZ-10 Shallow 2.30 to 15.30 9.81 to -3.19 4/19/2023	Parcel II CGPZ-10 CGPZ-10 Shallow 2.30 to 15.30 9.81 to -3.19 11/21/2023	Parcel II CGPZ-10 CGPZ-10 Shallow 2.30 to 15.30 9.81 to -3.19 4/22/2024	Parcel II CGPZ-10 CGPZ-10 Shallow 2.30 to 15.30 9.81 to -3.19 10/4/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)									
Benzene	1	1.0 U	1.0 U	1.0 U	90	5.8	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	4.5	2.9	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	8.3	4.8	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	7.5	5.1	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)									
Acenaphthene	20	0.47 U	0.57 U	0.50 U	0.37 J	0.14 J	0.49 U	0.17 J	0.50 U
Acenaphthylene	--	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Anthracene	50	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Benzo(a)anthracene	0.002	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Benzo(a)pyrene	ND	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Benzo(b)fluoranthene	0.002	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Benzo(g,h,i)perylene	--	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Benzo(k)fluoranthene	0.002	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Chrysene	0.002	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Dibenz(a,h)anthracene	--	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Fluoranthene	50	0.47 U	0.57 U	0.50 U	0.50 U	0.14 J	0.49 U	0.53 U	0.50 U
Fluorene	50	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Indeno(1,2,3-cd)pyrene	0.002	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Methylnaphthalene, 2-	--	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Naphthalene	10	0.47 U	0.57 U	0.50 U	0.50 U	0.51 UB	0.49 U	0.53 U	0.50 U
Phenanthrene	50	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Pyrene	50	0.47 U	0.57 U	0.50 U	0.50 U	0.51 U	0.49 U	0.53 U	0.50 U
Total Cyanide (USEPA SW-846 Method 9012B)									
Cyanide, Total	200	5.6 J	10 U	10 U	10 U	10 U	10 U	7.6 J	10 U

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-15-CH1S CGMW-15-CH1S Shallow 22.20 to 22.45 -4.70 to -4.95 2/24/2022	Parcel III CGMW-15-CH1S CGMW-15-CH1S Shallow 22.20 to 22.45 -4.70 to -4.95 10/10/2022	Parcel III CGMW-15-CH1S CGMW-15-CH1S Shallow 22.20 to 22.45 -4.70 to -4.95 4/20/2023	Parcel III CGMW-15-CH1S CGMW-15-CH1S Shallow 22.20 to 22.45 -4.70 to -4.95 11/29/2023	Parcel III CGMW-15-CH1S CGMW-15-CH1S Shallow 22.20 to 22.45 -4.70 to -4.95 4/24/2024	Parcel III CGMW-15-CH1S CGMW-15-CH1S Shallow 22.20 to 22.45 -4.70 to -4.95 10/8/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	0.50 J	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	0.93 J	0.58 J	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.7	2.1	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	3.7	0.79 J	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.52 U	0.56 U	0.52 U	0.51 U	0.51 U	0.17 J
Acenaphthylene	--	0.52 U	0.15 J	0.13 J	0.10 J	0.31 J	0.55 U
Anthracene	50	0.52 U	0.56 U	0.52 U	0.51 U	0.51 U	0.55 U
Benzo(a)anthracene	0.002	0.52 U	0.56 U	0.52 U	0.51 U	0.20 J	0.11 J
Benzo(a)pyrene	ND	0.52 U	0.56 U	0.12 J	0.51 U	0.24 J	0.18 J
Benzo(b)fluoranthene	0.002	0.52 U	0.19 J	0.52 U	0.51 U	0.22 J	0.55 U
Benzo(g,h,i)perylene	--	0.52 U	0.56 U	0.52 U	0.51 U	0.51 U	0.55 U
Benzo(k)fluoranthene	0.002	0.52 U	0.56 U	0.52 U	0.51 U	0.51 U	0.55 U
Chrysene	0.002	0.52 U	0.19 J	0.52 U	0.51 U	0.24 J	0.55 U
Dibenz(a,h)anthracene	--	0.52 U	0.56 U	0.52 U	0.51 U	0.51 U	0.55 U
Fluoranthene	50	0.52 U	0.56 U	0.11 J	0.51 U	0.26 J	0.55 U
Fluorene	50	0.52 U	0.56 U	0.52 U	0.51 U	0.51 U	0.55 U
Indeno(1,2,3-cd)pyrene	0.002	0.52 U	0.56 U	0.52 U	0.51 U	0.11 J	0.55 U
Methylnaphthalene, 2-	--	0.52 U	0.56 U	0.52 U	0.51 U	0.51 U	0.55 U
Naphthalene	10	0.52 U	0.56 U	1.2	0.34 J	0.22 J	0.55 U
Phenanthrene	50	0.52 U	0.56 U	0.52 U	0.51 U	0.25 J	0.55 U
Pyrene	50	0.52 U	0.56 U	0.52 U	0.51 U	0.52	0.17 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	9.1 J	14	5.1 J	10 U	5.3 J	10 UJ

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-15-CH5I CGMW-15-CH5I Intermediate 69.03 to 69.28 -51.53 to -51.78 2/24/2022	Parcel III CGMW-15-CH5I CGMW-15-CH5I Intermediate 69.03 to 69.28 -51.53 to -51.78 10/10/2022	Parcel III CGMW-15-CH5I CGMW-15-CH5I Intermediate 69.03 to 69.28 -51.53 to -51.78 4/20/2023	Parcel III CGMW-15-CH5I CGMW-15-CH5I Intermediate 69.03 to 69.28 -51.53 to -51.78 11/29/2023	Parcel III CGMW-15-CH5I CGMW-15-CH5I Intermediate 69.03 to 69.28 -51.53 to -51.78 4/24/2024	Parcel III CGMW-15-CH5I CGMW-15-CH5I Intermediate 69.03 to 69.28 -51.53 to -51.78 10/8/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	0.58 J	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	0.93 J	0.27 J	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	0.68 J	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.55 U
Acenaphthylene	--	0.50 U	0.14 J	0.51 U	0.13 J	0.52 U	0.13 J
Anthracene	50	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.55 U
Benzo(a)anthracene	0.002	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.11 J
Benzo(a)pyrene	ND	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.55 U
Benzo(b)fluoranthene	0.002	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.15 J
Benzo(g,h,i)perylene	--	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.55 U
Benzo(k)fluoranthene	0.002	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.55 U
Chrysene	0.002	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.11 J
Dibenz(a,h)anthracene	--	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.55 U
Fluoranthene	50	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.13 J
Fluorene	50	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.55 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.55 U
Methylnaphthalene, 2-	--	0.50 U	0.52 U	0.51 U	0.25 J	0.52 U	0.55 U
Naphthalene	10	0.50 U	0.52 U	0.30 J	0.96	0.52 U	0.55 U
Phenanthrene	50	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.55 U
Pyrene	50	0.50 U	0.52 U	0.51 U	0.50 U	0.52 U	0.21 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	18	17	14	14	13 J	10 UJ

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-15-CH6D CGMW-15-CH6D Deep 131.24 to 131.49 -113.74 to -113.99 2/24/2022	Parcel III CGMW-15-CH6D CGMW-15-CH6D Deep 131.24 to 131.49 -113.74 to -113.99 10/10/2022	Parcel III CGMW-15-CH6D CGMW-15-CH6D Deep 131.24 to 131.49 -113.74 to -113.99 4/20/2023	Parcel III CGMW-15-CH6D CGMW-15-CH6D Deep 131.24 to 131.49 -113.74 to -113.99 11/29/2023	Parcel III CGMW-15-CH6D CGMW-15-CH6D Deep 131.24 to 131.49 -113.74 to -113.99 4/24/2024	Parcel III CGMW-15-CH6D CGMW-15-CH6D Deep 131.24 to 131.49 -113.74 to -113.99 10/8/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	0.42 J	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	0.67 J	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	0.50 J	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Acenaphthylene	--	0.50 U	0.50 U	0.51 U	0.17 J	0.50 U	0.51 U
Anthracene	50	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Benzo(a)anthracene	0.002	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Benzo(a)pyrene	ND	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Benzo(b)fluoranthene	0.002	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Benzo(g,h,i)perylene	--	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Benzo(k)fluoranthene	0.002	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Chrysene	0.002	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Dibenz(a,h)anthracene	--	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Fluoranthene	50	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Fluorene	50	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Methylnaphthalene, 2-	--	0.50 U	0.39 J	0.51 U	0.14 J	0.50 U	0.51 U
Naphthalene	10	0.50 U	2.7	0.35 J	0.39 J	0.17 J	0.51 U
Phenanthrene	50	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Pyrene	50	0.50 U	0.50 U	0.51 U	0.51 U	0.50 U	0.51 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	19	19	20	10 U	5.7 J	10 U

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Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-34S CGMW-34S Shallow 12.76 to 22.76 3.70 to -6.30 10/11/2022	Parcel III CGMW-34S CGMW-34S Shallow 12.76 to 22.76 3.70 to -6.30 4/24/2023	Parcel III CGMW-34I CGMW-34I Intermediate 51.38 to 61.38 -34.90 to -44.90 10/11/2022	Parcel III CGMW-34I CGMW-34I Intermediate 51.38 to 61.38 -34.90 to -44.90 4/24/2023	Parcel III CGMW-34I CGMW-34I Intermediate 51.38 to 61.38 -34.90 to -44.90 11/28/2023	Parcel III CGMW-34I CGMW-34I Intermediate 51.38 to 61.38 -34.90 to -44.90 4/24/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	510 J	540 J	4,900	6,100 DJ	5,200 D	6,400 D
Ethylbenzene	5	380 J	460 J	1,300	1,100 D	850	930
Toluene	5	11 J	13 J	490	120	76	57
Xylenes, Total	--	78 J	83 J	1,100	510	490	460
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	320 D	180	160 D	110	160 D	120 J
Acenaphthylene	--	7.6	3.4 J	46	13	10	7.2
Anthracene	50	20	12	11	9.9	15	11
Benzo(a)anthracene	0.002	9.2	2.4 J	3.7	5.0 U	3.6	1.6
Benzo(a)pyrene	ND	9.9	1.3 J	3.3	5.0 U	2.9	1.4
Benzo(b)fluoranthene	0.002	7.6	1.4 J	2.4	5.0 U	2.1	0.92
Benzo(g,h,i)perylene	--	4.0	5.2 U	1.2	5.0 U	1.1	0.63
Benzo(k)fluoranthene	0.002	2.7	5.2 U	0.76	5.0 U	0.82	0.51
Chrysene	0.002	8.7	2.9 J	3.6	5.0 U	3.1	1.6
Dibenz(a,h)anthracene	--	1.1	5.2 U	0.37 J	5.0 U	0.28 J	0.14 J
Fluoranthene	50	33	10	8.7	5.1	11	6.0
Fluorene	50	86	60	52	51	69	50 J
Indeno(1,2,3-cd)pyrene	0.002	4.9	5.2 U	1.3	5.0 U	1.1	0.59
Methylnaphthalene, 2-	--	180 D	88	560 D	270	470 D	350 D
Naphthalene	10	4,300 D	2,300 D	4,300 D	2,500 D	3,200 D	2,300 D
Phenanthrene	50	170 D	76	55	54	71	55 J
Pyrene	50	32	13	11	8.5	13	8.5
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	3,300	3,300	88	120	49	39 J

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National Grid

Former Citizens Gas Works Manufactured Gas Plant Site
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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-34I CGMW-XX-20240424 Intermediate 51.38 to 61.38 -34.90 to -44.90 4/24/2024	Parcel III CGMW-34I CGMW-34I Intermediate 51.38 to 61.38 -34.90 to -44.90 10/7/2024	Parcel III CGMW-35 CGMW-35 Shallow 7.46 to 17.46 9.00 to -1.00 4/19/2023	Parcel III CGMW-35 CGMW-XX-20230419 Shallow 7.46 to 61.36 9.00 to -1.00 4/19/2023	Parcel III CGMW-35 CGMW-35 Shallow 7.46 to 17.46 9.00 to -1.00 11/20/2023	Parcel III CGMW-35 CGMW-35 Shallow 7.46 to 17.46 9.00 to -1.00 4/23/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	6,700 D	7,000 D	1,500 D	1,300 D	870 D	340
Ethylbenzene	5	1,000	920 J	370	350	200	90
Toluene	5	60	65	8.5	7.9	5.3	2.7
Xylenes, Total	--	510	190	67	62	40	18
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	190 DJ	130 J	41	43	26	17
Acenaphthylene	--	9.6	33	2.7 J	0.52 UJ	1.4 J	1.7
Anthracene	50	14	7.2	6.1 J	4.3 J	3.1	3.7
Benzo(a)anthracene	0.002	1.7	1.4	2.2	3.2	2.7	1.6
Benzo(a)pyrene	ND	1.4	1.4	2.0	2.9	1.8 J	1.7
Benzo(b)fluoranthene	0.002	0.98	0.95	1.6	2.0	1.7 J	1.5
Benzo(g,h,i)perylene	--	0.63	0.56	1.1	1.6	1.4 J	0.90
Benzo(k)fluoranthene	0.002	0.50	0.37 J	0.49 J	0.87	0.63 J	0.50
Chrysene	0.002	1.7	1.4	2.1	2.9	2.5 J	1.6
Dibenz(a,h)anthracene	--	0.50 U	0.15 J	0.50 U	0.52 U	2.7 U	0.24 J
Fluoranthene	50	7.3	5.9	5.9	6.9	6.0	3.7
Fluorene	50	75 J	47 J	10	11	4.3	2.7
Indeno(1,2,3-cd)pyrene	0.002	0.60	0.52 J	0.97	1.6	1.0 J	0.71
Methylnaphthalene, 2-	--	450 D	0.53 U	8.6	8.4	1.3 J	1.7
Naphthalene	10	2,700 D	0.53 UJ	180 D	200 D	7.2	38
Phenanthrene	50	75 J	8.3 J	21	22	6.9	5.2
Pyrene	50	10	9.7	8.2	9.8	10	5.5
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	24 J	10 J	170	180	10 U	R

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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-35 CGMW-35 Shallow 7.46 to 17.46 9.00 to -1.00 10/7/2024	Parcel III CGMW-36 CGMW-36 Shallow 5.97 to 15.97 10.62 to 0.62 2/23/2022	Parcel III CGMW-36 CGMW-36 Shallow 5.97 to 15.97 10.62 to 0.62 10/10/2022	Parcel III CGMW-36 CGMW-XX-20221010-2 Shallow 5.97 to 15.97 10.62 to 0.62 10/10/2022	Parcel III CGMW-36 CGMW-36 Shallow 5.97 to 15.97 10.62 to 0.62 4/19/2023	Parcel III CGMW-36 CGMW-36 Shallow 5.97 to 15.97 10.62 to 0.62 11/20/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	2,000 D	12	3.7 J	3.5 J	53	15
Ethylbenzene	5	320	1.0 U	1.0 UJ	1.0 UJ	1.7	1.2
Toluene	5	8.5	0.29 J	0.50 J	0.49 J	0.46 J	0.31 J
Xylenes, Total	--	61	1.0 U	1.0 UJ	1.0 UJ	0.51 J	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	58	29	1.4 J	1.5 J	30	15
Acenaphthylene	--	5.3	0.50 U	0.26 J	0.33 J	0.50 U	0.40 J
Anthracene	50	16	1.6	0.51 UJ	0.51 UJ	1.3	0.56
Benzo(a)anthracene	0.002	14	0.17 J	0.51 UJ	0.51 UJ	0.50 U	0.53 U
Benzo(a)pyrene	ND	14	0.50 U	0.51 UJ	0.51 UJ	0.50 U	0.53 U
Benzo(b)fluoranthene	0.002	12	0.50 U	0.51 UJ	0.51 UJ	0.50 U	0.53 U
Benzo(g,h,i)perylene	--	9.4	0.50 U	0.51 UJ	0.51 UJ	0.50 U	0.53 U
Benzo(k)fluoranthene	0.002	4.5	0.50 U	0.51 UJ	0.51 UJ	0.50 U	0.53 U
Chrysene	0.002	12	0.17 J	0.51 UJ	0.51 UJ	0.50 U	0.53 U
Dibenz(a,h)anthracene	--	2.8 U	0.50 U	0.51 UJ	0.51 UJ	0.50 U	0.53 U
Fluoranthene	50	24	1.6	0.51 UJ	0.51 UJ	0.75	0.62
Fluorene	50	12	3.2	0.51 UJ	0.51 UJ	0.86	1.6
Indeno(1,2,3-cd)pyrene	0.002	8.2	0.50 U	0.51 UJ	0.51 UJ	0.50 U	0.53 U
Methylnaphthalene, 2-	--	2.8 U	0.50 U	0.51 UJ	0.51 UJ	0.50 U	0.53 U
Naphthalene	10	10	0.68	2.0 J	2.1 J	0.50 U	0.53 U
Phenanthrene	50	38	1.8	0.51 UJ	0.51 UJ	0.86	0.53
Pyrene	50	40	1.4	0.26 J	0.51 UJ	0.66	0.99
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	100	9.8 J	98 J	91 J	83	10 U

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Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-36 CGMW-36 Shallow 5.97 to 15.97 10.62 to 0.62 4/23/2024	Parcel III CGMW-36 CGMW-36 Shallow 5.97 to 15.97 10.62 to 0.62 10/7/2024	Parcel III CGMW-37 CGMW-37 Shallow 5.38 to 15.38 11.20 to 1.20 2/23/2022	Parcel III CGMW-37 CGMW-37 Shallow 5.38 to 15.38 11.20 to 1.20 10/10/2022	Parcel III CGMW-37 CGMW-37 Shallow 5.38 to 15.38 11.20 to 1.20 4/19/2023	Parcel III CGMW-37 CGMW-37 Shallow 5.38 to 15.38 11.20 to 1.20 11/20/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	7.5	0.90 J	1.0 U	1.0 UJ	1.0 U	0.85 J
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	0.44 J	1.0 U
Toluene	5	1.0 U	0.30 J	1.0 U	1.0 UJ	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	0.45 J	1.0 U	1.0 UJ	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	20	16	0.51 U	0.73 J	0.52 U	0.55 U
Acenaphthylene	--	0.64	0.56 U	0.51 U	0.20 J	0.52 U	0.55 U
Anthracene	50	0.68	0.62	0.51 U	0.51 UJ	0.52 U	0.55 U
Benzo(a)anthracene	0.002	0.50 U	0.56 U	0.51 U	0.51 UJ	0.52 U	0.55 U
Benzo(a)pyrene	ND	0.50 U	0.56 U	0.51 U	0.51 UJ	0.52 U	0.55 U
Benzo(b)fluoranthene	0.002	0.50 U	0.56 U	0.51 U	0.51 UJ	0.52 U	0.55 U
Benzo(g,h,i)perylene	--	0.50 U	0.56 U	0.51 U	0.51 UJ	0.52 U	0.55 U
Benzo(k)fluoranthene	0.002	0.50 U	0.56 U	0.51 U	0.51 UJ	0.52 U	0.55 U
Chrysene	0.002	0.50 U	0.56 U	0.51 U	0.10 J	0.52 U	0.55 U
Dibenz(a,h)anthracene	--	0.50 U	0.56 U	0.51 U	0.51 UJ	0.52 U	0.55 U
Fluoranthene	50	0.27 J	0.57	0.51 U	0.25 J	0.52 U	0.55 U
Fluorene	50	1.1	0.56 U	0.51 U	0.51 UJ	0.52 U	0.55 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.56 U	0.51 U	0.51 UJ	0.52 U	0.55 U
Methylnaphthalene, 2-	--	0.50 U	0.56 U	0.51 U	0.51 UJ	0.52 U	0.55 U
Naphthalene	10	0.50 U	0.56 U	0.51 U	0.51 UJ	0.83 UB	0.55 U
Phenanthrene	50	0.28 J	0.18 J	0.51 U	0.51 UJ	0.52 U	0.55 U
Pyrene	50	0.32 J	0.63	0.51 U	0.30 J	0.52 U	0.55 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	R	5.0 J	10 U	10 UJ	10 U	10 U

Table 4
Summary of Post-Remediation Groundwater Sample Data
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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-37 CGMW-37 Shallow 5.38 to 15.38 11.20 to 1.20 4/23/2024	Parcel III CGMW-37 CGMW-37 Shallow 5.38 to 15.38 11.20 to 1.20 10/8/2024	Parcel III CGMW-38 CGMW-38 Shallow 4.79 to 14.79 10.40 to 0.40 2/23/2022	Parcel III CGMW-38 CGMW-38 Shallow 4.79 to 14.79 10.40 to 0.40 10/10/2022	Parcel III CGMW-38 CGMW-38 Shallow 4.79 to 14.79 10.40 to 0.40 4/19/2023	Parcel III CGMW-38 CGMW-38 Shallow 4.79 to 14.79 10.40 to 0.40 11/20/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	0.40 J
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.50 U	0.51 U	0.51 U	0.18 J	0.51 U	0.54 U
Acenaphthylene	--	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Anthracene	50	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Benzo(a)anthracene	0.002	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Benzo(a)pyrene	ND	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Benzo(b)fluoranthene	0.002	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Benzo(g,h,i)perylene	--	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Benzo(k)fluoranthene	0.002	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Chrysene	0.002	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Dibenz(a,h)anthracene	--	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Fluoranthene	50	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Fluorene	50	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Methylnaphthalene, 2-	--	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Naphthalene	10	0.50 U	0.51 U	0.51 U	0.51 UJ	0.60 UB	0.54 U
Phenanthrene	50	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Pyrene	50	0.50 U	0.51 U	0.51 U	0.51 UJ	0.51 U	0.54 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	R	10 UJ	10 U	10 UJ	10 U	10 U

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Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-38 CGMW-38 Shallow 4.79 to 14.79 10.40 to 0.40 4/24/2024	Parcel III CGMW-38 CGMW-38 Shallow 4.79 to 14.79 10.40 to 0.40 10/8/2024	Parcel III CGMW-39 CGMW-39 Shallow 9.61 to 19.61 6.10 to -3.90 2/23/2022	Parcel III CGMW-39 CGMW-XX-20220223 Shallow 9.61 to 19.61 6.10 to -3.90 2/23/2022	Parcel III CGMW-39 CGMW-39 Shallow 9.61 to 19.61 6.10 to -3.90 10/10/2022	Parcel III CGMW-39 CGMW-39 Shallow 9.61 to 19.61 6.10 to -3.90 4/21/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.87 J
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.32 J
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.80 J
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.50 U	0.52 U	0.51 U	0.51 U	0.24 J	0.27 J
Acenaphthylene	--	0.50 U	0.52 U	0.51 U	0.51 U	0.16 J	0.52 U
Anthracene	50	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Benzo(a)anthracene	0.002	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Benzo(a)pyrene	ND	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Benzo(b)fluoranthene	0.002	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Benzo(g,h,i)perylene	--	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Benzo(k)fluoranthene	0.002	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Chrysene	0.002	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Dibenz(a,h)anthracene	--	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Fluoranthene	50	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Fluorene	50	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Methylnaphthalene, 2-	--	0.50 U	0.52 U	0.51 U	0.51 U	0.20 J	0.52 U
Naphthalene	10	0.50 U	0.52 U	0.51 U	0.51 U	0.86	0.52 U
Phenanthrene	50	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Pyrene	50	0.50 U	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	R	10 UJ	50 U	10 U	50	95

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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-39 CGMW-39 Shallow 9.61 to 19.61 6.10 to -3.90 11/21/2023	Parcel III CGMW-39 CGMW-39 Shallow 9.61 to 19.61 6.10 to -3.90 4/23/2024	Parcel III CGMW-39 CGMW-39 Shallow 9.61 to 19.61 6.10 to -3.90 10/8/2024	Parcel III CGMW-39 CGMW-XX-20241008 Shallow 9.61 to 19.61 6.10 to -3.90 10/8/2024	Parcel III CGMW-42I CGMW-42I Intermediate 34.92 to 44.92 -18.64 to -28.64 10/12/2022	Parcel III CGMW-58 CGMW-58 Shallow 10.83 to 20.83 -0.47 to -10.47 3/2/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	29,000 DJ	120
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	4,100 J	92
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	13,000 DJ	51
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	4,200 J	97
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.17 J	0.53 U	0.12 J	0.17 J	200	27
Acenaphthylene	--	0.50 U	0.53 U	0.17 J	0.20 J	130	35
Anthracene	50	0.50 U	0.53 U	0.53 U	0.52 U	87	6.5
Benzo(a)anthracene	0.002	0.50 U	0.53 U	0.22 J	0.52 U	56	0.46 J
Benzo(a)pyrene	ND	0.50 U	0.53 U	0.27 J	0.50 J	56	0.34 J
Benzo(b)fluoranthene	0.002	0.50 U	0.53 U	0.53 U	0.43 J	35	0.50 U
Benzo(g,h,i)perylene	--	0.50 U	0.53 U	0.12 J	0.39 J	20	0.50 U
Benzo(k)fluoranthene	0.002	0.50 U	0.53 U	0.53 U	0.22 J	17	0.50 U
Chrysene	0.002	0.50 U	0.53 U	0.17 J	0.52 U	57	0.48 J
Dibenz(a,h)anthracene	--	0.50 U	0.53 U	0.53 U	0.52 U	4.9	0.50 U
Fluoranthene	50	0.50 U	0.53 U	0.26 J	0.41 J	110	2.7
Fluorene	50	0.50 U	0.53 U	0.53 U	0.52 U	140	18
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.53 U	0.53 U	0.26 J	18	0.50 U
Methylnaphthalene, 2-	--	0.50 U	0.53 U	0.53 U	0.52 U	800 D	86
Naphthalene	10	0.50 U	0.53 U	0.53 U	0.52 U	9,500 D	380 D
Phenanthrene	50	0.50 U	0.53 U	0.12 J	0.19 J	340	29
Pyrene	50	0.50 U	0.53 U	0.31 J	0.50 J	150	3.3
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	8.6 J	5.2 J	14 J	8.0 J	240	10 U

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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-58 CGMW-58 Shallow 10.83 to 20.83 -0.47 to -10.47 10/11/2022	Parcel III CGMW-58 CGMW-58 Shallow 10.83 to 20.83 -0.47 to -10.47 4/24/2023	Parcel III CGMW-58 CGMW-58 Shallow 10.83 to 20.83 -0.47 to -10.47 11/28/2023	Parcel III CGMW-58 CGMW-XX-112823-2 Shallow 10.83 to 20.83 -0.47 to -10.47 11/28/2023	Parcel III CGMW-58 CGMW-58 Shallow 10.83 to 20.83 -0.47 to -10.47 4/24/2024	Parcel III CGMW-58 CGMW-58 Shallow 10.83 to 20.83 -0.47 to -10.47 10/4/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	110	2,400 DJ	15	14	180	110
Ethylbenzene	5	18	130	5.4	5.3	53	55
Toluene	5	15	980 DJ	1.3	1.3	6.7	2.6
Xylenes, Total	--	17	430	3.8	3.6	30	9.2
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	21	38	26	27	47	52
Acenaphthylene	--	7.8	8.6	8.7	9.5	5.7	4.4
Anthracene	50	2.9	4.7	2.4	2.4	5.9	7.6
Benzo(a)anthracene	0.002	0.15 J	0.16 J	0.30 J	0.26 J	0.15 J	0.58
Benzo(a)pyrene	ND	0.52 U	0.50 U	0.49 U	0.49 U	0.59 U	0.41 J
Benzo(b)fluoranthene	0.002	0.52 U	0.50 U	0.49 U	0.11 J	0.59 U	0.44 J
Benzo(g,h,i)perylene	--	0.52 U	0.50 U	0.49 U	0.49 U	0.59 U	0.29 J
Benzo(k)fluoranthene	0.002	0.52 U	0.50 U	0.49 U	0.49 U	0.59 U	0.34 J
Chrysene	0.002	0.20 J	0.17 J	0.36 J	0.33 J	0.14 J	0.54
Dibenz(a,h)anthracene	--	0.52 U	0.50 U	0.49 U	0.49 U	0.59 U	0.22 J
Fluoranthene	50	2.1	1.9	2.6	2.4	2.3	3.0
Fluorene	50	2.0	4.2	0.75	0.77	3.2	2.6
Indeno(1,2,3-cd)pyrene	0.002	0.52 U	0.50 U	0.49 U	0.49 U	0.59 U	0.25 J
Methylnaphthalene, 2-	--	1.1	16	0.23 J	0.33 J	0.72	0.49 J
Naphthalene	10	61	330 D	20	16	110	60
Phenanthrene	50	8.8	20	2.0	1.7	20	31
Pyrene	50	2.2	2.4	3.0	3.0	2.1	3.4
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	12 J	13	10	10	12 J	19

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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGMW-59 CGMW-59 Shallow 10.80 to 20.80 -0.83 to -10.83 10/11/2022	Parcel III CGMW-59 CGMW-59 Shallow 10.80 to 20.80 -0.83 to -10.83 4/26/2023	Parcel III CGMW-59 CGMW-59 Shallow 10.80 to 20.80 -0.83 to -10.83 11/28/2023	Parcel III CGMW-59 CGMW-59 Shallow 10.80 to 20.80 -0.83 to -10.83 4/24/2024	Parcel III CGMW-59 CGMW-59 Shallow 10.80 to 20.80 -0.83 to -10.83 10/4/2024	Parcel III CGPZ-11 CGPZ-11 Shallow 2.00 to 15.00 7.91 to -5.09 4/19/2023	Parcel III CGPZ-12 CGPZ-12 Shallow 2.90 to 15.90 7.05 to -5.95 4/21/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)								
Benzene	1	4.4 J	16	1.2	15	0.40 J	830 D	1.0 U
Ethylbenzene	5	52	16	6.1	5.5	1.2	520 D	3.0
Toluene	5	5.6	1.0	1.0 U	0.39 J	1.0 U	66	0.23 J
Xylenes, Total	--	14	2.9	0.99 J	0.69 J	1.0 U	220	0.75 J
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)								
Acenaphthene	20	43	32	35	38	26	220	0.50 U
Acenaphthylene	--	6.0	3.4	4.5	2.6	1.8	83	0.50 U
Anthracene	50	4.1	3.9	5.3	3.8	1.8	82	0.50 U
Benzo(a)anthracene	0.002	0.87	0.49 J	1.9	0.33 J	0.46 J	55	0.50 U
Benzo(a)pyrene	ND	0.51	0.33 J	1.6	0.14 J	0.35 J	40	0.50 U
Benzo(b)fluoranthene	0.002	0.33 J	0.32 J	1.2	0.11 J	0.25 J	27	0.50 U
Benzo(g,h,i)perylene	--	0.28 J	0.13 J	0.63	0.52 U	0.14 J	16	0.50 U
Benzo(k)fluoranthene	0.002	0.17 J	0.53 U	0.51	0.52 U	0.51 U	12	0.50 U
Chrysene	0.002	0.75	0.54	1.8	0.32 J	0.50 J	51	0.50 U
Dibenz(a,h)anthracene	--	0.51 U	0.53 U	0.49 U	0.52 U	0.51 U	4.3 J	0.50 U
Fluoranthene	50	4.4	3.8	7.9	4.3	4.6	130	0.50 U
Fluorene	50	18	8.4	6.3	3.4	1.2	140	0.50 U
Indeno(1,2,3-cd)pyrene	0.002	0.24 J	0.13 J	0.66	0.52 U	0.11 J	17	0.50 U
Methylnaphthalene, 2-	--	15	0.77	0.51	0.52 U	0.11 J	47	0.50 U
Naphthalene	10	330 D	30	15	3.4	1.3	930	0.50 U
Phenanthrene	50	26	21	19	11	8.8	390	0.50 U
Pyrene	50	4.8	4.3	7.9	4.7	5.4	160	0.50 U
Total Cyanide (USEPA SW-846 Method 9012B)								
Cyanide, Total	200	18	9.0 J	21	5.8 J	22	71	9.0 J

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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Parcel III CGPZ-12 CGPZ-12 Shallow 2.90 to 15.90 7.05 to -5.95 11/28/2023	Parcel III CGPZ-12 CGPZ-12 Shallow 2.90 to 15.90 7.05 to -5.95 4/24/2024	Parcel III CGPZ-12 CGPZ-12 Shallow 2.90 to 15.90 7.05 to -5.95 10/4/2024	4th Street ROW CGMW-12 CGMW-12 Shallow 8.40 to 18.40 1.31 to -8.69 2/28/2022	4th Street ROW CGMW-12 CGMW-XX-20220228 Shallow 8.40 to 18.40 1.31 to -8.69 2/28/2022	4th Street ROW CGMW-12 CGMW-12 Shallow 8.40 to 18.40 1.31 to -8.69 10/12/2022	4th Street ROW CGMW-12 CGMW-12 Shallow 8.40 to 18.40 1.31 to -8.69 4/20/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)								
Benzene	1	1.0 U	3.2	1.0 U	1.0 U	1.0 U	1.0 U	0.58 J
Ethylbenzene	5	3.3	11	1.0 U	1.0 U	1.0 U	1.0 U	0.48 J
Toluene	5	1.0 U	0.46 J	1.0 U	1.0 U	1.0 U	1.0 U	1.5
Xylenes, Total	--	1.0 U	5.3	1.0 U	1.0 U	1.0 U	1.0 U	0.47 J
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)								
Acenaphthene	20	6.4	21 J	6.3	0.50 U	0.50 U	0.32 J	0.67
Acenaphthylene	--	2.3	2.9	1.1	0.50 U	0.50 U	0.51 U	0.50 J
Anthracene	50	0.56	2.4	0.30 J	0.50 U	0.50 U	0.10 J	0.36 J
Benzo(a)anthracene	0.002	0.49 U	0.19 J	0.50 U	0.50 U	0.50 U	0.51 U	0.55 U
Benzo(a)pyrene	ND	0.49 U	0.54 U	0.50 U	0.50 U	0.50 U	0.51 U	0.55 U
Benzo(b)fluoranthene	0.002	0.49 U	0.54 U	0.50 U	0.50 U	0.50 U	0.51 U	0.55 U
Benzo(g,h,i)perylene	--	0.49 U	0.54 U	0.50 U	0.50 U	0.50 U	0.51 U	0.55 U
Benzo(k)fluoranthene	0.002	0.49 U	0.54 UJ	0.50 U	0.50 U	0.50 U	0.51 U	0.55 U
Chrysene	0.002	0.49 U	0.18 J	0.50 U	0.50 U	0.50 U	0.51 U	0.55 U
Dibenz(a,h)anthracene	--	0.49 U	0.54 U	0.50 U	0.50 U	0.50 U	0.51 U	0.55 U
Fluoranthene	50	0.65	2.4 J	0.63	0.50 U	0.50 U	0.11 J	0.31 J
Fluorene	50	0.25 J	1.9	0.13 J	0.50 U	0.50 U	0.17 J	0.58
Indeno(1,2,3-cd)pyrene	0.002	0.49 U	0.54 UJ	0.50 U	0.50 U	0.50 U	0.51 U	0.55 U
Methylnaphthalene, 2-	--	0.49 U	0.54 UJ	0.50 U	0.50 U	0.50 U	0.51 U	1.9
Naphthalene	10	0.52	0.54 UJ	0.50 U	0.26 J	0.19 J	0.28 J	10
Phenanthrene	50	1.9	4.3 J	0.50 U	0.50 U	0.50 U	0.36 J	1.5
Pyrene	50	0.56	2.5	0.67	0.50 U	0.50 U	0.19 J	0.32 J
Total Cyanide (USEPA SW-846 Method 9012B)								
Cyanide, Total	200	96	R	17	10 U	10 U	10 U	10 U

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		4th Street ROW CGMW-12 CGMW-12 Shallow 8.40 to 18.40 1.31 to -8.69 11/13/2023	4th Street ROW CGMW-12 CGMW-12 Shallow 8.40 to 18.40 1.31 to -8.69 4/22/2024	4th Street ROW CGMW-12 CGMW-12 Shallow 8.40 to 18.40 1.31 to -8.69 10/2/2024	4th Street ROW CGMW-12 CGMW-XX-20241002 Shallow 8.40 to 18.40 1.31 to -8.69 10/2/2024	Smith Street ROW CGMW-17-CH2S CGMW-17-CH2S Shallow 27.14 to 27.39 -4.64 to -4.89 2/24/2022	Smith Street ROW CGMW-17-CH2S CGMW-17-CH2S Shallow 27.14 to 27.39 -4.64 to -4.89 10/6/2022
New York State Class GA Ambient Water Quality Standard or Guidance Value ⁴							
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	9.9	5.4
Ethylbenzene	5	1.0 U	1.0 U	0.49 J	0.55 J	1.0 U	0.56 J
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 J
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.099 J	0.56 U	0.52 U	0.56 U	11	7.5
Acenaphthylene	--	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	5.4 U
Anthracene	50	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	5.4 U
Benzo(a)anthracene	0.002	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	1.9 J
Benzo(a)pyrene	ND	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	2.6 J
Benzo(b)fluoranthene	0.002	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	2.7 J
Benzo(g,h,i)perylene	--	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	5.4 U
Benzo(k)fluoranthene	0.002	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	5.4 U
Chrysene	0.002	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	2.0 J
Dibenz(a,h)anthracene	--	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	5.4 U
Fluoranthene	50	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	4.0 J
Fluorene	50	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	1.4 J
Indeno(1,2,3-cd)pyrene	0.002	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	5.4 U
Methylnaphthalene, 2-	--	0.47 U	0.56 U	0.16 J	0.56 U	0.50 U	5.4 U
Naphthalene	10	0.38 J	0.56 U	3.6 J	2.2 J	0.50 U	5.4 U
Phenanthrene	50	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	4.6 J
Pyrene	50	0.47 U	0.56 U	0.52 U	0.56 U	0.50 U	4.0 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	7.1 J	10 J	10 U	10 U	13	6.6 J

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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Smith Street ROW CGMW-17-CH2S CGMW-17-CH2S Shallow 27.14 to 27.39 -4.64 to -4.89 4/20/2023	Smith Street ROW CGMW-17-CH2S CGMW-17-CH2S Shallow 27.14 to 27.39 -4.64 to -4.89 12/21/2023	Smith Street ROW CGMW-17-CH2S CGMW-17-CH2S Shallow 27.14 to 27.39 -4.64 to -4.89 4/18/2024	Smith Street ROW CGMW-17-CH2S CGMW-17-CH2S Shallow 27.14 to 27.39 -4.64 to -4.89 10/10/2024	Smith Street ROW CGMW-17-CH4I CGMW-17-CH4I Intermediate 74.34 to 74.59 -51.84 to -52.09 3/3/2022	Smith Street ROW CGMW-17-CH4I CGMW-17-CH4I Intermediate 74.34 to 74.59 -51.84 to -52.09 10/13/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	15	7.4	37	120	720 D	59
Ethylbenzene	5	1.5	1.1	4.6	50 U	360	6.5
Toluene	5	1.4	1.0 U	1.0 U	50 U	6.6	1.2 J
Xylenes, Total	--	0.66 J	1.0 U	0.89 J	50 U	54	5.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	5.3	12	9.2	NA	0.73	1.3
Acenaphthylene	--	0.20 J	0.55 U	5.2 U	NA	0.53 U	0.49 U
Anthracene	50	0.55 U	0.55 U	5.2 U	NA	0.53 U	0.49 U
Benzo(a)anthracene	0.002	0.55 U	0.55 U	1.1 J	NA	0.53 U	0.49 U
Benzo(a)pyrene	ND	0.55 U	0.55 U	5.2 U	NA	0.53 U	0.49 U
Benzo(b)fluoranthene	0.002	0.55 U	0.55 U	1.4 J	NA	0.53 U	0.49 U
Benzo(g,h,i)perylene	--	0.55 U	0.55 UJ	5.2 U	NA	0.53 U	0.49 U
Benzo(k)fluoranthene	0.002	0.55 U	0.55 U	5.2 U	NA	0.53 U	0.49 U
Chrysene	0.002	0.55 U	0.55 U	1.3 J	NA	0.53 U	0.49 U
Dibenz(a,h)anthracene	--	0.55 U	0.55 U	5.2 U	NA	0.53 U	0.49 U
Fluoranthene	50	0.55 U	0.55 U	1.9 J	NA	0.53 U	0.49 U
Fluorene	50	0.55 U	0.14 J	5.2 U	NA	0.53 U	0.49 U
Indeno(1,2,3-cd)pyrene	0.002	0.55 U	0.55 UJ	5.2 U	NA	0.53 U	0.49 U
Methylnaphthalene, 2-	--	0.55 U	0.55 U	5.2 U	NA	0.53 U	1.4
Naphthalene	10	0.20 J	1.4	9.7	NA	68	330 D
Phenanthrene	50	0.55 U	0.55 U	1.2 J	NA	0.53 U	0.49 U
Pyrene	50	0.55 U	0.55 U	2.3 J	NA	0.53 U	0.49 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	9.8 J	24	7.8 J	NA	21	43 J

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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Smith Street ROW CGMW-17-CH4I CGMW-17-CH4I Intermediate 74.34 to 74.59 -51.84 to -52.09 4/27/2023	Smith Street ROW CGMW-17-CH4I CGMW-17-CH4I Intermediate 74.34 to 74.59 -51.84 to -52.09 11/16/2023	Smith Street ROW CGMW-17-CH4I CGMW-17-CH4I Intermediate 74.34 to 74.59 -51.84 to -52.09 4/19/2024	Smith Street ROW CGMW-17-CH4I CGMW-17-CH4I Intermediate 74.34 to 74.59 -51.84 to -52.09 10/11/2024	Smith Street ROW CGMW-17-CH6D CGMW-17-CH6D Deep 124.34 to 124.59 -101.84 to -102.09 3/3/2022	Smith Street ROW CGMW-17-CH6D CGMW-17-CH6D Deep 124.34 to 124.59 -101.84 to -102.09 10/6/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	2,400 DJ	9,800 D	1,800 D	1,900	870 D	250 D
Ethylbenzene	5	150	950	590	150	200	73
Toluene	5	3.4 J	130	13	50 U	3.3	2.7
Xylenes, Total	--	26	590	130	50 U	53	23
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.29 J	88	25 U	35	1.0	27
Acenaphthylene	--	0.48 J	75	25 U	4.3 J	0.64	42
Anthracene	50	0.22 J	3.3	25 U	11 U	0.51 U	0.50 U
Benzo(a)anthracene	0.002	0.29 J	0.50 U	25 U	11 U	0.51 U	0.50 U
Benzo(a)pyrene	ND	0.32 J	0.50 U	25 U	11 U	0.51 U	0.50 U
Benzo(b)fluoranthene	0.002	0.40 J	0.50 U	25 U	11 U	0.51 U	0.50 U
Benzo(g,h,i)perylene	--	0.28 J	0.50 U	25 U	11 U	0.51 U	0.50 U
Benzo(k)fluoranthene	0.002	0.55 UJ	0.50 U	25 U	11 U	0.51 U	0.50 U
Chrysene	0.002	0.33 J	0.50 U	25 U	11 U	0.51 U	0.50 U
Dibenz(a,h)anthracene	--	0.55 U	0.50 U	25 U	11 U	0.51 U	0.50 U
Fluoranthene	50	0.61 J	0.50 U	25 U	11 U	0.51 U	0.50 U
Fluorene	50	0.55 UJ	2.4	25 U	11 U	0.51 U	0.29 J
Indeno(1,2,3-cd)pyrene	0.002	0.23 J	0.50 U	25 U	11 U	0.51 U	0.50 U
Methylnaphthalene, 2-	--	0.55 UJ	37	25 U	11	0.45 J	0.50 U
Naphthalene	10	6.8 J	4,600 D	420	1,000	170 D	59
Phenanthrene	50	0.41 J	26	25 U	7.8 J	0.51 U	1.2
Pyrene	50	0.56 J	0.50 U	25 U	11 U	0.51 U	0.50 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	24	10	10 U	10 UJ	10 U	10 UJ

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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Smith Street ROW CGMW-17-CH6D CGMW-17-CH6D Deep 124.34 to 124.59 -101.84 to -102.09 4/20/2023	Smith Street ROW CGMW-17-CH6D CGMW-17-CH6D Deep 124.34 to 124.59 -101.84 to -102.09 11/16/2023	Smith Street ROW CGMW-17-CH6D CGMW-XX-111623 Deep 124.34 to 124.59 -101.84 to -102.09 11/16/2023	Smith Street ROW CGMW-17-CH6D CGMW-17-CH6D Deep 124.34 to 124.59 -101.84 to -102.09 4/19/2024	Smith Street ROW CGMW-17-CH6D CGMW-17-CH6D Deep 124.34 to 124.59 -101.84 to -102.09 10/10/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	280	430 D	410 D	2,700 D	240
Ethylbenzene	5	52 J	73	75	340 D	79
Toluene	5	1.4	1.4	1.4	8.0	1.0
Xylenes, Total	--	15	19	20	100	19
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	0.52 U	5.0 U	1.4	11 U	0.91
Acenaphthylene	--	0.52 U	5.0 U	0.42 J	11 U	0.21 J
Anthracene	50	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Benzo(a)anthracene	0.002	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Benzo(a)pyrene	ND	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Benzo(b)fluoranthene	0.002	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Benzo(g,h,i)perylene	--	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Benzo(k)fluoranthene	0.002	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Chrysene	0.002	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Dibenz(a,h)anthracene	--	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Fluoranthene	50	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Fluorene	50	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Indeno(1,2,3-cd)pyrene	0.002	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Methylnaphthalene, 2-	--	0.52 U	5.0 U	0.29 J	11 U	0.55 U
Naphthalene	10	3.3	52 J	76 J	260	0.55 U
Phenanthrene	50	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Pyrene	50	0.52 U	5.0 U	0.50 U	11 U	0.55 U
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	6.0 J	10 U	10 U	10 U	10 UJ

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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Hoyt Street ROW CGMW-18-CH2S CGMW-18-CH2S Shallow 22.40 to 22.65 -7.77 to -8.02 2/28/2022	Hoyt Street ROW CGMW-18-CH2S CGMW-18-CH2S Shallow 22.40 to 22.65 -7.77 to -8.02 10/12/2022	Hoyt Street ROW CGMW-18-CH2S CGMW-18-CH2S Shallow 22.40 to 22.65 -7.77 to -8.02 4/20/2023	Hoyt Street ROW CGMW-18-CH2S CGMW-XX-20230420 Shallow 22.40 to 22.65 -7.77 to -8.02 4/20/2023	Hoyt Street ROW CGMW-18-CH2S CGMW-18-CH2S Shallow 22.40 to 22.65 -7.77 to -8.02 11/28/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	7,300 D	8,700 D	6,600 D	6,800 D	5,200 D
Ethylbenzene	5	2,500	2,300	2,600 D	2,700 D	2,300 D
Toluene	5	120	47	38	46	22
Xylenes, Total	--	1,200	1,400	1,200	1,200	1,000
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	16	17	18	14	15
Acenaphthylene	--	21	15	23	17	16
Anthracene	50	0.10 J	0.15 J	0.17 J	0.16 J	0.51 U
Benzo(a)anthracene	0.002	0.51 U	0.52 U	0.54 U	0.53 U	0.51 U
Benzo(a)pyrene	ND	0.51 U	0.52 U	0.54 U	0.53 U	0.51 U
Benzo(b)fluoranthene	0.002	0.51 U	0.52 U	0.54 U	0.53 U	0.51 U
Benzo(g,h,i)perylene	--	0.51 U	0.52 U	0.54 U	0.53 U	0.51 U
Benzo(k)fluoranthene	0.002	0.51 U	0.52 U	0.54 U	0.53 U	0.51 U
Chrysene	0.002	0.51 U	0.52 U	0.54 U	0.53 U	0.51 U
Dibenz(a,h)anthracene	--	0.51 U	0.52 U	0.54 U	0.53 U	0.51 U
Fluoranthene	50	0.51 U	0.12 J	0.11 J	0.53 U	0.51 U
Fluorene	50	2.2	2.2	2.7	2.1	2.1
Indeno(1,2,3-cd)pyrene	0.002	0.51 U	0.52 U	0.54 U	0.53 U	0.51 U
Methylnaphthalene, 2-	--	790 D	480 D	740 DJ	410 DJ	670 D
Naphthalene	10	14,000 D	8,700 D	7,200 DJ	5,100 DJ	9,100 D
Phenanthrene	50	0.69	0.65	0.84	0.66	0.68
Pyrene	50	0.51 U	0.52 U	0.54 U	0.53 U	0.51 U
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	10 U	11	11	11	18

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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Hoyt Street ROW CGMW-18-CH2S CGMW-18-CH2S Shallow 22.40 to 22.65 -7.77 to -8.02 4/18/2024	Hoyt Street ROW CGMW-18-CH2S CGMW-18-CH2S Shallow 22.40 to 22.65 -7.77 to -8.02 10/2/2024	Hoyt Street ROW CGMW-18-CH6I CGMW-18-CH6I Intermediate 70.56 to 70.81 -55.93 to -56.18 2/28/2022	Hoyt Street ROW CGMW-18-CH6I CGMW-18-CH6I Intermediate 70.56 to 70.81 -55.93 to -56.18 10/12/2022	Hoyt Street ROW CGMW-18-CH6I CGMW-18-CH6I Intermediate 70.56 to 70.81 -55.93 to -56.18 4/20/2023	Hoyt Street ROW CGMW-18-CH6I CGMW-18-CH6I Intermediate 70.56 to 70.81 -55.93 to -56.18 11/28/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	4,700 D	4,200 D	9.2	19	5.7 J	16
Ethylbenzene	5	2,500 D	2,100 D	11	14	5.9 J	10
Toluene	5	36	52	13	11	8.2 J	19
Xylenes, Total	--	1,100	1,100	11	10	7.2 J	10
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	16	18	0.13 J	0.51 U	0.50 U	0.19 J
Acenaphthylene	--	18	15	1.0	0.51 U	0.50 U	1.0
Anthracene	50	0.51 U	0.12 J	0.51 U	0.51 U	0.50 U	0.51 U
Benzo(a)anthracene	0.002	0.51 U	0.54 U	0.51 U	0.51 U	0.50 U	0.51 U
Benzo(a)pyrene	ND	0.51 U	0.54 U	0.51 U	0.51 U	0.50 U	0.51 U
Benzo(b)fluoranthene	0.002	0.51 U	0.54 U	0.51 U	0.51 U	0.50 U	0.51 U
Benzo(g,h,i)perylene	--	0.51 U	0.54 U	0.51 U	0.51 U	0.50 U	0.51 U
Benzo(k)fluoranthene	0.002	0.51 U	0.54 U	0.51 U	0.51 U	0.50 U	0.51 U
Chrysene	0.002	0.51 U	0.54 U	0.51 U	0.51 U	0.50 U	0.51 U
Dibenz(a,h)anthracene	--	0.51 U	0.54 U	0.51 U	0.51 U	0.50 U	0.51 U
Fluoranthene	50	0.51 U	0.54 U	0.51 U	0.51 U	0.50 U	0.51 U
Fluorene	50	2.1	1.8	0.51 U	0.51 U	0.50 U	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	0.51 U	0.54 U	0.51 U	0.51 U	0.50 U	0.51 U
Methylnaphthalene, 2-	--	640 D	780 D	0.14 J	0.24 J	0.50 U	0.79
Naphthalene	10	9,700 D	9,800 D	10	2.6	0.12 J	20
Phenanthrene	50	0.70	0.71	0.51 U	0.51 U	0.50 U	0.51 U
Pyrene	50	0.51 U	0.54 U	0.51 U	0.51 U	0.50 U	0.51 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	7.6 J	10 U	10 U	10 U	10 U	10 U

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Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Hoyt Street ROW CGMW-18-CH6I CGMW-XX-112823-1 Intermediate 70.56 to 70.81 -55.93 to -56.18 11/28/2023	Hoyt Street ROW CGMW-18-CH6I CGMW-18-CH6I Intermediate 70.56 to 70.81 -55.93 to -56.18 4/18/2024	Hoyt Street ROW CGMW-18-CH6I CGMW-18-CH6I Intermediate 70.56 to 70.81 -55.93 to -56.18 10/2/2024	Nelson Street ROW CGMW-23 CGMW-23 Shallow 17.28 to 27.28 7.44 to -2.56 4/1/2022	Nelson Street ROW CGMW-23 CGMW-23 Shallow 17.28 to 27.28 7.44 to -2.56 10/13/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	14	140	8.5	1.0 U	1.0 U
Ethylbenzene	5	9.2	45	7.9	1.0 U	1.0 U
Toluene	5	17	96	12	1.0 U	3.7
Xylenes, Total	--	9.1	42	7.9	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	0.21 J	0.51 U	0.56 U	0.52 U	1.2
Acenaphthylene	--	0.98	0.49 J	0.56 U	0.52 U	2.0
Anthracene	50	0.50 U	0.51 U	0.56 U	0.52 U	0.92
Benzo(a)anthracene	0.002	0.50 U	0.51 U	0.56 U	0.25 J	1.0
Benzo(a)pyrene	ND	0.50 U	0.51 U	0.56 U	0.52 U	0.98
Benzo(b)fluoranthene	0.002	0.50 U	0.51 U	0.56 U	0.46 J	1.1
Benzo(g,h,i)perylene	--	0.50 U	0.51 U	0.56 U	0.52 U	0.82
Benzo(k)fluoranthene	0.002	0.50 U	0.51 U	0.56 U	0.52 U	0.40 J
Chrysene	0.002	0.50 U	0.51 U	0.56 U	0.15 J	1.2
Dibenz(a,h)anthracene	--	0.50 U	0.51 U	0.56 U	0.52 U	0.52 U
Fluoranthene	50	0.50 U	0.51 U	0.56 U	0.58	2.1
Fluorene	50	0.50 U	0.51 U	0.56 U	0.52 U	1.6
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.51 U	0.56 U	0.20 J	0.84
Methylnaphthalene, 2-	--	0.67	0.98	0.56 U	0.52 U	1.4
Naphthalene	10	17	76	0.78	0.21 J	2.5
Phenanthrene	50	0.50 U	0.51 U	0.56 U	0.32 J	3.4
Pyrene	50	0.50 U	0.51 U	0.56 U	0.53	2.4
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	10 U	10 UBJ	10 U	10 U	24

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88):		Nelson Street ROW CGMW-23 CGMW-23 Shallow 17.28 to 27.28 7.44 to -2.56 4/27/2023	Nelson Street ROW CGMW-23 CGMW-23 Shallow 17.28 to 27.28 7.44 to -2.56 11/28/2023	Nelson Street ROW CGMW-23 CGMW-23 Shallow 17.28 to 27.28 7.44 to -2.56 4/18/2024	Nelson Street ROW CGMW-23 CGMW-23 Shallow 17.28 to 27.28 7.44 to -2.56 10/4/2024	4th Place ROW CGMW-25R CGMW-25R Shallow 36.20 to 46.20 2.34 to -7.66 2/22/2022	4th Place ROW CGMW-25R CGMW-25R Shallow 36.20 to 46.20 2.34 to -7.66 10/13/2022
Parameter	Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value ⁴					
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	10 U	10 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	10 U	10 U	1.0 U	1.0 U	1.0 U
Toluene	5	6.6 J	95	10 U	2.0	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	10 U	10 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	10 UJ	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Acenaphthylene	--	10 U	5.0 U	5.1 U	3.0 U	0.51 U	0.12 J
Anthracene	50	10 UJ	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Benzo(a)anthracene	0.002	3.0 J	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Benzo(a)pyrene	ND	10 UJ	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Benzo(b)fluoranthene	0.002	2.8 J	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Benzo(g,h,i)perylene	--	10 UJ	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Benzo(k)fluoranthene	0.002	10 UJ	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Chrysene	0.002	2.0 J	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Dibenz(a,h)anthracene	--	10 UJ	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Fluoranthene	50	4.1 J	5.0 U	5.1 U	0.68 J	0.51 U	0.51 U
Fluorene	50	10 UJ	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	10 UJ	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Methylnaphthalene, 2-	--	10 UJ	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Naphthalene	10	2.4 J	5.0 U	5.1 U	3.0 U	0.12 J	0.51 U
Phenanthrene	50	2.7 J	5.0 U	5.1 U	3.0 U	0.51 U	0.51 U
Pyrene	50	3.5 J	5.0 U	5.1 U	0.79 J	0.51 U	0.22 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	14	10 U	10 U	10 U	10	10 U

Table 4
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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		4th Place ROW CGMW-25R CGMW-25R Shallow 36.20 to 46.20 2.34 to -7.66 4/21/2023	4th Place ROW CGMW-25R CGMW-25R Shallow 36.20 to 46.20 2.34 to -7.66 11/28/2023	4th Place ROW CGMW-25R CGMW-25R Shallow 36.20 to 46.20 2.34 to -7.66 4/17/2024	4th Place ROW CGMW-25R CGMW-25R Shallow 36.20 to 46.20 2.34 to -7.66 10/2/2024	9th Street ROW CGMW-44 CGMW-44 Shallow 9.92 to 19.92 4.86 to -5.14 2/25/2022	9th Street ROW CGMW-44 CGMW-44 Shallow 9.92 to 19.92 4.86 to -5.14 10/13/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.52 J
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	0.77 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.12 J	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Acenaphthylene	--	0.69	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Anthracene	50	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Benzo(a)anthracene	0.002	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Benzo(a)pyrene	ND	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Benzo(b)fluoranthene	0.002	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Benzo(g,h,i)perylene	--	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Benzo(k)fluoranthene	0.002	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Chrysene	0.002	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Dibenz(a,h)anthracene	--	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Fluoranthene	50	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Fluorene	50	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Methylnaphthalene, 2-	--	0.51 U	0.21 J	0.56 UJ	0.53 U	0.51 U	0.51 U
Naphthalene	10	0.51 U	3.4	0.56 UJ	0.53 U	0.51 U	0.51 U
Phenanthrene	50	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Pyrene	50	0.51 U	0.51 U	0.56 U	0.53 U	0.51 U	0.51 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	7.9 J	9.6 J	10 U	10 U	R	5.2 J

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location:		9th Street ROW	9th Street ROW	9th Street ROW	9th Street ROW	Garnet Street ROW	Garnet Street ROW
Location ID:		CGMW-44	CGMW-44	CGMW-44	CGMW-44	CGMW-46	CGMW-46
Sample ID:		CGMW-44	CGMW-44	CGMW-44	CGMW-44	CGMW-46	CGMW-46
Screened Zone ³ :		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Screened Interval (feet bgs):	New York State Class	9.92 to 19.92	9.92 to 19.92	9.92 to 19.92	9.92 to 19.92	8.92 to 18.92	8.92 to 18.92
Screened Interval (feet NAVD88):	GA Ambient Water	4.86 to -5.14	4.86 to -5.14	4.86 to -5.14	4.86 to -5.14	2.28 to -7.72	2.28 to -7.72
Parameter	Sample Date:	Guidance Value ⁴					
		4/26/2023	11/21/2023	4/17/2024	10/3/2024	2/25/2022	10/12/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	0.33 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.50 U	0.50 U	0.50 U	0.57 U	0.18 J	0.15 J
Acenaphthylene	--	0.24 J	0.50 U	0.50 U	0.57 U	0.51 U	0.62
Anthracene	50	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.26 J
Benzo(a)anthracene	0.002	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.15 J
Benzo(a)pyrene	ND	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.52 U
Benzo(b)fluoranthene	0.002	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.52 U
Benzo(g,h,i)perylene	--	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.52 U
Benzo(k)fluoranthene	0.002	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.52 U
Chrysene	0.002	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.21 J
Dibenz(a,h)anthracene	--	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.52 U
Fluoranthene	50	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.33 J
Fluorene	50	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.39 J
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.52 U
Methylnaphthalene, 2-	--	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.53
Naphthalene	10	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	1.1
Phenanthrene	50	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	1.1
Pyrene	50	0.50 U	0.50 U	0.50 U	0.57 U	0.51 U	0.48 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	12	10 U	10 U	R	10 U

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Garnet Street ROW CGMW-46 CGMW-46 Shallow 8.92 to 18.92 2.28 to -7.72 4/26/2023	Garnet Street ROW CGMW-46 CGMW-46 Shallow 8.92 to 18.92 2.28 to -7.72 11/21/2023	Garnet Street ROW CGMW-46 CGMW-46 Shallow 8.92 to 18.92 2.28 to -7.72 4/17/2024	Garnet Street ROW CGMW-46 CGMW-XX-20240417 Shallow 8.92 to 18.92 2.28 to -7.72 4/17/2024	Garnet Street ROW CGMW-46 CGMW-46 Shallow 8.92 to 18.92 2.28 to -7.72 10/4/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	0.23 J	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	0.50 U	0.13 J	0.50 U	0.51 U	0.52 U
Acenaphthylene	--	0.33 J	0.50 U	0.50 U	0.51 U	0.52 U
Anthracene	50	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Benzo(a)anthracene	0.002	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Benzo(a)pyrene	ND	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Benzo(b)fluoranthene	0.002	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Benzo(g,h,i)perylene	--	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Benzo(k)fluoranthene	0.002	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Chrysene	0.002	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Dibenz(a,h)anthracene	--	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Fluoranthene	50	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Fluorene	50	0.12 J	0.50 U	0.50 U	0.51 U	0.52 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Methylnaphthalene, 2-	--	0.50 U	0.50 U	0.50 U	0.51 U	0.52 U
Naphthalene	10	0.46 J	0.50 U	0.50 U	0.51 U	0.52 U
Phenanthrene	50	0.50 U	0.14 J	0.50 U	0.51 U	0.52 U
Pyrene	50	0.50 U	0.14 J	0.50 U	0.51 U	0.52 U
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	10 U	5.0 J	5.8 J	10 UB	10 U

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Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Centre Street ROW CGMW-47 CGMW-47 Shallow 7.87 to 17.87 0.32 to -9.68 2/25/2022	Centre Street ROW CGMW-47 CGMW-47 Shallow 7.87 to 17.87 0.32 to -9.68 10/13/2022	Centre Street ROW CGMW-47 CGMW-47 Shallow 7.87 to 17.87 0.32 to -9.68 4/24/2023	Centre Street ROW CGMW-47 CGMW-47 Shallow 7.87 to 17.87 0.32 to -9.68 11/21/2023	Centre Street ROW CGMW-47 CGMW-47 Shallow 7.87 to 17.87 0.32 to -9.68 4/16/2024	Centre Street ROW CGMW-47 CGMW-47 Shallow 7.87 to 17.87 0.32 to -9.68 10/4/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Toluene	5	1.0 U	1.0 U	0.33 J	1.0 U	1.0 UJ	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Acenaphthylene	--	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Anthracene	50	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Benzo(a)anthracene	0.002	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Benzo(a)pyrene	ND	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Benzo(b)fluoranthene	0.002	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Benzo(g,h,i)perylene	--	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Benzo(k)fluoranthene	0.002	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Chrysene	0.002	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Dibenz(a,h)anthracene	--	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Fluoranthene	50	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Fluorene	50	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Methylnaphthalene, 2-	--	0.51 U	0.52 U	0.52	0.50 U	0.51 U	0.51 U
Naphthalene	10	0.51 U	0.52 U	3.4	0.50 U	0.98	0.51 U
Phenanthrene	50	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Pyrene	50	0.51 U	0.52 U	0.50 U	0.50 U	0.51 U	0.51 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	R	10 U	10 U	10 U	7.8 J	10 U

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Huntington Street ROW CGMW-60 CGMW-60 Shallow 10.15 to 20.15 1.16 to -8.84 3/31/2022	Huntington Street ROW CGMW-60 CGMW-60 Shallow 10.15 to 20.15 1.16 to -8.84 10/10/2022	Huntington Street ROW CGMW-60 CGMW-XX-20221010-1 Shallow 10.15 to 20.15 1.16 to -8.84 10/10/2022	Huntington Street ROW CGMW-60 CGMW-60 Shallow 10.15 to 20.15 1.16 to -8.84 11/29/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)					
Benzene	1	6.4	2.0	1.9	4.7
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	0.52 J	0.34 J	0.36 J	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)					
Acenaphthene	20	0.57	0.32 J	0.34 J	0.18 J
Acenaphthylene	--	0.50 U	0.52 U	0.50 U	0.18 J
Anthracene	50	0.50 U	0.52 U	0.50 U	0.51 U
Benzo(a)anthracene	0.002	0.50 U	0.52 U	0.50 U	0.51 U
Benzo(a)pyrene	ND	0.50 U	0.52 U	0.50 U	0.51 U
Benzo(b)fluoranthene	0.002	0.50 U	0.52 U	0.50 U	0.51 U
Benzo(g,h,i)perylene	--	0.50 U	0.52 U	0.50 U	0.51 U
Benzo(k)fluoranthene	0.002	0.50 U	0.52 U	0.50 U	0.51 U
Chrysene	0.002	0.50 U	0.52 U	0.50 U	0.51 U
Dibenz(a,h)anthracene	--	0.50 U	0.52 U	0.50 U	0.51 U
Fluoranthene	50	0.19 J	0.52 U	0.17 J	0.13 J
Fluorene	50	0.15 J	0.52 U	0.50 U	0.12 J
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.52 U	0.50 U	0.51 U
Methylnaphthalene, 2-	--	0.14 J	0.10 J	0.12 J	0.57
Naphthalene	10	1.8	0.64	0.77	3.2
Phenanthrene	50	0.53	0.23 J	0.27 J	0.11 J
Pyrene	50	0.19 J	0.52 U	0.50 U	0.12 J
Total Cyanide (USEPA SW-846 Method 9012B)					
Cyanide, Total	200	10 U	6.0 J	7.5 J	10 U

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Huntington Street ROW CGMW-60 CGMW-60 Shallow 10.15 to 20.15 1.16 to -8.84 4/23/2024	Huntington Street ROW CGMW-61I CGMW-61I Intermediate 59.00 to 69.00 -45.56 to -55.56 12/8/2022	Huntington Street ROW CGMW-61I CGMW-61I Intermediate 59.00 to 69.00 -45.56 to -55.56 4/26/2023	Huntington Street ROW CGMW-61D CGMW-61D Deep 117.50 to 127.50 -104.06 to -114.06 12/8/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)					
Benzene	1	1.0 U	87	300	0.64 J
Ethylbenzene	5	1.0 U	120	230	2.2
Toluene	5	1.0 U	220	530 D	2.5
Xylenes, Total	--	1.0 U	310	730	5.5
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)					
Acenaphthene	20	0.54 U	17 J	21	0.51 U
Acenaphthylene	--	0.54 U	140 D	280 D	0.10 J
Anthracene	50	0.54 U	16 J	16	0.51 U
Benzo(a)anthracene	0.002	0.54 U	0.85 J	2.6	0.51 U
Benzo(a)pyrene	ND	0.54 U	0.50 J	2.2	0.51 U
Benzo(b)fluoranthene	0.002	0.54 U	0.38 J	1.5	0.51 U
Benzo(g,h,i)perylene	--	0.54 U	0.51 UJ	0.66	0.51 U
Benzo(k)fluoranthene	0.002	0.54 U	0.16 J	0.33 J	0.51 U
Chrysene	0.002	0.54 U	0.88 J	2.8	0.51 U
Dibenz(a,h)anthracene	--	0.54 U	0.51 UJ	0.50 U	0.51 U
Fluoranthene	50	0.54 U	6.0 J	8.5	0.28 J
Fluorene	50	0.54 U	65 J	61	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	0.54 U	0.51 UJ	0.77	0.51 U
Methylnaphthalene, 2-	--	0.54 U	240 D	610 D	0.51 U
Naphthalene	10	0.54 U	21 J	3,800 D	0.51 U
Phenanthrene	50	0.54 U	84 J	77	0.51 U
Pyrene	50	0.54 U	8.4 J	12	1.1
Total Cyanide (USEPA SW-846 Method 9012B)					
Cyanide, Total	200	6.5 J	6.6 J	9.2 J	10 U

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Huntington Street ROW CGMW-61D CGMW-61D Deep 117.50 to 127.50 -104.06 to -114.06 4/26/2023	Huntington Street ROW CGMW-61D CGMW-61D Deep 117.50 to 127.50 -104.06 to -114.06 12/21/2023	Huntington Street ROW CGMW-61D CGMW-61D Deep 117.50 to 127.50 -104.06 to -114.06 4/23/2024	Huntington Street ROW CGMW-61D CGMW-61D Deep 117.50 to 127.50 -104.06 to -114.06 10/9/2024	Nelson Street ROW CGMW-62I CGMW-62I Intermediate 74.00 to 84.00 -46.19 to -56.19 12/7/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	0.66 J	0.70 J	1.0 U	1.0 U	0.26 J
Xylenes, Total	--	0.48 J	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	0.20 J	0.13 J	0.57 U	0.55 UJ	0.52 U
Acenaphthylene	--	0.75	0.61	0.13 J	0.30 J	0.52 U
Anthracene	50	0.50 U	0.53 U	0.57 U	0.55 UJ	0.52 U
Benzo(a)anthracene	0.002	0.50 U	0.53 U	0.23 J	0.55 UJ	0.52 U
Benzo(a)pyrene	ND	0.50 U	0.53 U	0.28 J	0.55 UJ	0.52 U
Benzo(b)fluoranthene	0.002	0.50 U	0.53 U	0.23 J	0.55 UJ	0.52 U
Benzo(g,h,i)perylene	--	0.50 U	0.53 UJ	0.17 J	0.55 UBJ	0.52 U
Benzo(k)fluoranthene	0.002	0.50 U	0.53 U	0.57 U	0.55 UJ	0.52 U
Chrysene	0.002	0.50 U	0.53 U	0.24 J	0.55 UJ	0.52 U
Dibenz(a,h)anthracene	--	0.50 U	0.53 U	0.57 U	0.55 UJ	0.52 U
Fluoranthene	50	0.30 J	0.17 J	0.41 J	0.55 UJ	0.10 J
Fluorene	50	0.20 J	0.53 U	0.57 U	0.55 UJ	0.52 U
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	0.53 UJ	0.57 U	0.55 UJ	0.52 U
Methylnaphthalene, 2-	--	0.98	0.53 U	0.57 U	0.55 UJ	0.52 U
Naphthalene	10	4.6	0.12 J	0.57 U	0.55 UJ	0.52 U
Phenanthrene	50	0.50 U	0.53 U	0.20 J	0.55 UBJ	0.52 U
Pyrene	50	0.42 J	0.30 J	0.60	0.55 UBJ	0.52 U
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	10 U	10 U	R	7.0 J	10 U

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Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Nelson Street ROW CGMW-62I CGMW-62I Intermediate 74.00 to 84.00 -46.19 to -56.19 4/26/2023	Nelson Street ROW CGMW-62I CGMW-62I Intermediate 74.00 to 84.00 -46.19 to -56.19 11/27/2023	Nelson Street ROW CGMW-62I CGMW-62I Intermediate 74.00 to 84.00 -46.19 to -56.19 4/17/2024	Nelson Street ROW CGMW-62I CGMW-62I Intermediate 74.00 to 84.00 -46.19 to -56.19 10/3/2024	Nelson Street ROW CGMW-62I CGMW-XX-20241003 Intermediate 74.00 to 84.00 -46.19 to -56.19 10/3/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	1.0 U	0.88 J	0.62 J	0.53 J	0.52 J
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	0.51 J	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Acenaphthylene	--	0.52 U	0.50 U	0.10 J	0.45 J	0.39 J
Anthracene	50	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Benzo(a)anthracene	0.002	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Benzo(a)pyrene	ND	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Benzo(b)fluoranthene	0.002	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Benzo(g,h,i)perylene	--	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Benzo(k)fluoranthene	0.002	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Chrysene	0.002	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Dibenz(a,h)anthracene	--	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Fluoranthene	50	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Fluorene	50	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Indeno(1,2,3-cd)pyrene	0.002	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Methylnaphthalene, 2-	--	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Naphthalene	10	0.15 J	0.50 U	0.51 U	0.52 U	0.53 U
Phenanthrene	50	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Pyrene	50	0.52 U	0.50 U	0.51 U	0.52 U	0.53 U
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	10 U	12	9.3 J	10 U	10 U

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Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Nelson Street ROW CGMW-62D CGMW-62D Deep 133.00 to 143.00 -105.19 to -115.19 12/7/2022	Nelson Street ROW CGMW-62D CGMW-62D Deep 133.00 to 143.00 -105.19 to -115.19 4/26/2023	Nelson Street ROW CGMW-62D CGMW-62D Deep 133.00 to 143.00 -105.19 to -115.19 11/27/2023	Nelson Street ROW CGMW-62D CGMW-62D Deep 133.00 to 143.00 -105.19 to -115.19 4/17/2024	Nelson Street ROW CGMW-62D CGMW-62D Deep 133.00 to 143.00 -105.19 to -115.19 10/3/2024	Luquer Street ROW CGMW-63 CGMW-63 Shallow 27.50 to 37.50 3.32 to -6.68 12/6/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	0.32 J	0.32 J	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	0.63 J	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Acenaphthylene	--	0.52 U	0.17 J	0.50 U	0.50 U	0.58	0.54 U
Anthracene	50	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Benzo(a)anthracene	0.002	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Benzo(a)pyrene	ND	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Benzo(b)fluoranthene	0.002	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Benzo(g,h,i)perylene	--	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Benzo(k)fluoranthene	0.002	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Chrysene	0.002	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Dibenz(a,h)anthracene	--	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Fluoranthene	50	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Fluorene	50	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Indeno(1,2,3-cd)pyrene	0.002	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Methylnaphthalene, 2-	--	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Naphthalene	10	0.52 U	0.33 J	0.30 J	0.50 U	0.53 U	0.54 U
Phenanthrene	50	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Pyrene	50	0.52 U	0.53 U	0.50 U	0.50 U	0.53 U	0.54 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	5 J	10 U	10 U	10 U	10 U	10 U

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Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Luquer Street ROW CGMW-63 CGMW-XX-20221206 Shallow 27.50 to 37.50 3.32 to -6.68 12/6/2022	Luquer Street ROW CGMW-63 CGMW-63 Shallow 27.50 to 37.50 3.32 to -6.68 4/26/2023	Luquer Street ROW CGMW-63 CGMW-63 Shallow 27.50 to 37.50 3.32 to -6.68 11/27/2023	Luquer Street ROW CGMW-63 CGMW-63 Shallow 27.50 to 37.50 3.32 to -6.68 4/18/2024	Luquer Street ROW CGMW-63 CGMW-63 Shallow 27.50 to 37.50 3.32 to -6.68 10/7/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Acenaphthylene	--	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Anthracene	50	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Benzo(a)anthracene	0.002	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Benzo(a)pyrene	ND	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Benzo(b)fluoranthene	0.002	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Benzo(g,h,i)perylene	--	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Benzo(k)fluoranthene	0.002	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Chrysene	0.002	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Dibenz(a,h)anthracene	--	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Fluoranthene	50	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Fluorene	50	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Indeno(1,2,3-cd)pyrene	0.002	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Methylnaphthalene, 2-	--	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Naphthalene	10	0.52 U	0.55 U	0.50 U	0.40 J	0.55 U
Phenanthrene	50	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Pyrene	50	0.52 U	0.55 U	0.50 U	0.50 U	0.55 U
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	10 U	10 U	10 U	15	10 UJ

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Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Luquer Street ROW CGMW-64I CGMW-64I Intermediate 80.00 to 90.00 -45.10 to -55.10 12/7/2022	Luquer Street ROW CGMW-64I CGMW-64I Intermediate 80.00 to 90.00 -45.10 to -55.10 4/24/2023	Luquer Street ROW CGMW-64I CGMW-64I Intermediate 80.00 to 90.00 -45.10 to -55.10 11/27/2023	Luquer Street ROW CGMW-64I CGMW-64I Intermediate 80.00 to 90.00 -45.10 to -55.10 4/17/2024	Luquer Street ROW CGMW-64I CGMW-64I Intermediate 80.00 to 90.00 -45.10 to -55.10 10/3/2024	Luquer Street ROW CGMW-64D CGMW-64D Deep 138.00 to 148.00 -103.10 to -113.10 12/7/2022
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.1	0.64 J	1.0 U	1.0 U	1.0 U	1.3
Toluene	5	0.52 J	1.8	1.0 U	1.0 U	1.0 U	0.36 J
Xylenes, Total	--	1.0 U	0.86 J	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.33 J	0.32 J	0.51 U	0.50 U	0.50 J	0.61
Acenaphthylene	--	0.16 J	0.98	0.51 U	0.50 U	2.6	0.58
Anthracene	50	0.57 U	0.11 J	0.51 U	0.50 U	0.35 J	0.16 J
Benzo(a)anthracene	0.002	0.57 U	0.53 U	0.51 U	0.50 U	0.52 U	0.15 J
Benzo(a)pyrene	ND	0.57 U	0.53 U	0.51 U	0.50 U	0.52 U	0.51 U
Benzo(b)fluoranthene	0.002	0.57 U	0.53 U	0.51 U	0.50 U	0.52 U	0.51 U
Benzo(g,h,i)perylene	--	0.57 U	0.53 U	0.51 U	0.50 U	0.52 U	0.51 U
Benzo(k)fluoranthene	0.002	0.57 U	0.53 U	0.51 U	0.50 U	0.52 U	0.51 U
Chrysene	0.002	0.57 U	0.53 U	0.51 U	0.50 U	0.52 U	0.19 J
Dibenz(a,h)anthracene	--	0.57 U	0.53 U	0.51 U	0.50 U	0.52 U	0.51 U
Fluoranthene	50	0.15 J	0.16 J	0.51 U	0.50 U	0.30 J	0.47 J
Fluorene	50	0.57 U	0.41 J	0.51 U	0.50 U	1.4	0.25 J
Indeno(1,2,3-cd)pyrene	0.002	0.57 U	0.53 U	0.51 U	0.50 U	0.52 U	0.51 U
Methylnaphthalene, 2-	--	0.57 U	3.0	0.51 U	0.50 U	2.6	0.16 J
Naphthalene	10	0.25 J	8.7	0.51 U	0.50 U	8.5	3.3
Phenanthrene	50	0.13 J	0.80	0.51 U	0.50 U	1.4	1.0
Pyrene	50	0.26 J	0.22 J	0.51 U	0.50 U	0.51 J	0.71
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	10 U	10 U	10 U	10 U	10 U

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NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Luquer Street ROW CGMW-64D CGMW-64D Deep 138.00 to 148.00 -103.10 to -113.10 4/24/2023	Luquer Street ROW CGMW-64D CGMW-64D Deep 138.00 to 148.00 -103.10 to -113.10 11/27/2023	Luquer Street ROW CGMW-64D CGMW-64D Deep 138.00 to 148.00 -103.10 to -113.10 4/17/2024	Luquer Street ROW CGMW-64D CGMW-64D Deep 138.00 to 148.00 -103.10 to -113.10 10/3/2024	Hoyt Street ROW CGMW-65S CGMW-65S Shallow 19.50 to 29.50 3.24 to -6.76 12/5/2022	Hoyt Street ROW CGMW-65S CGMW-65S Shallow 19.50 to 29.50 3.24 to -6.76 4/24/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	0.42 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	0.69 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.9	1.0 U	1.0 U	1.0 U	1.0 U	0.65 J
Xylenes, Total	--	0.79 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.33 J	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Acenaphthylene	--	1.0	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Anthracene	50	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Benzo(a)anthracene	0.002	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Benzo(a)pyrene	ND	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Benzo(b)fluoranthene	0.002	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Benzo(g,h,i)perylene	--	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Benzo(k)fluoranthene	0.002	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Chrysene	0.002	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Dibenz(a,h)anthracene	--	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Fluoranthene	50	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Fluorene	50	0.34 J	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Indeno(1,2,3-cd)pyrene	0.002	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Methylnaphthalene, 2-	--	4.4	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Naphthalene	10	20	0.52 U	0.55 U	0.52 U	0.52 U	0.50 UB
Phenanthrene	50	0.43 J	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Pyrene	50	0.55 U	0.52 U	0.55 U	0.52 U	0.52 U	0.50 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	10 U	10 U	10 U	10 U	10 U

Table 4
Summary of Post-Remediation Groundwater Sample Data
Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Hoyt Street ROW CGMW-65S CGMW-65S Shallow 19.50 to 29.50 3.24 to -6.76 11/14/2023	Hoyt Street ROW CGMW-65S CGMW-65S Shallow 19.50 to 29.50 3.24 to -6.76 4/19/2024	Hoyt Street ROW CGMW-65S CGMW-65S Shallow 19.50 to 29.50 3.24 to -6.76 10/2/2024	Hoyt Street ROW CGMW-65I CGMW-65I Intermediate 70.00 to 80.00 -47.10 to -57.10 12/6/2022	Hoyt Street ROW CGMW-65I CGMW-65I Intermediate 70.00 to 80.00 -47.10 to -57.10 4/24/2023	Hoyt Street ROW CGMW-65I CGMW-65I Intermediate 70.00 to 80.00 -47.10 to -57.10 11/14/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	17	6.5
Ethylbenzene	5	1.0 U	1.0 U	19	0.94 J	290	1,200 D
Toluene	5	1.0 U	1.0 U	1.0 U	1.5	73	32
Xylenes, Total	--	1.0 U	1.0 U	1.4	0.84 J	1,200 DJ	2,600 D
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.46 UJ	0.54 U	0.51 U	0.25 J	0.50 U	1.6
Acenaphthylene	--	0.46 UJ	0.54 U	0.51 U	0.48 J	10	17
Anthracene	50	0.46 UJ	0.54 U	0.51 U	0.51 U	0.13 J	0.16 J
Benzo(a)anthracene	0.002	0.46 U	0.54 U	0.51 U	0.51 U	0.50 U	0.49 U
Benzo(a)pyrene	ND	0.46 U	0.54 U	0.51 U	0.51 U	0.50 U	0.49 U
Benzo(b)fluoranthene	0.002	0.46 U	0.54 U	0.51 U	0.51 U	0.50 U	0.49 UJ
Benzo(g,h,i)perylene	--	0.46 UJ	0.54 U	0.51 U	0.51 U	0.50 U	0.49 U
Benzo(k)fluoranthene	0.002	0.46 U	0.54 U	0.51 U	0.51 U	0.50 U	0.49 U
Chrysene	0.002	0.46 U	0.54 U	0.51 U	0.51 U	0.50 U	0.49 U
Dibenz(a,h)anthracene	--	0.46 UJ	0.54 U	0.51 U	0.51 U	0.50 U	0.49 U
Fluoranthene	50	0.46 UJ	0.54 U	0.51 U	0.15 J	0.22 J	0.49 U
Fluorene	50	0.46 UJ	0.54 U	0.51 U	0.43 J	0.44 J	1.5
Indeno(1,2,3-cd)pyrene	0.002	0.46 UJ	0.54 U	0.51 U	0.51 U	0.50 U	0.49 UJ
Methylnaphthalene, 2-	--	0.46 UJ	0.54 U	0.51 U	0.39 J	2.8	24
Naphthalene	10	0.46 UJ	0.95	0.51 U	6.0	890 D	4,400 D
Phenanthrene	50	0.46 UJ	0.54 U	0.51 U	1.2	0.85	0.24 J
Pyrene	50	0.46 U	0.54 U	0.51 U	0.21 J	0.28 J	0.49 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	10 UB	10 U	10 U	10 U	6.7 J

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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Hoyt Street ROW CGMW-65I CGMW-65I Intermediate 70.00 to 80.00 -47.10 to -57.10 4/19/2024	Hoyt Street ROW CGMW-65I CGMW-XX-20240419 Intermediate 70.00 to 80.00 -47.10 to -57.10 4/19/2024	Hoyt Street ROW CGMW-65I CGMW-65I Intermediate 70.00 to 80.00 -47.10 to -57.10 10/2/2024	Hoyt Street ROW CGMW-65D CGMW-65D Deep 117.50 to 127.50 -94.60 to -104.60 12/6/2022	Hoyt Street ROW CGMW-65D CGMW-65D Deep 117.50 to 127.50 -94.60 to -104.60 4/24/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)						
Benzene	1	3.2	3.0	3.5	1.0 U	1.0 U
Ethylbenzene	5	560 D	560 D	520 D	1.0 U	1.0 U
Toluene	5	17	15	2.2	0.75 J	0.86 J
Xylenes, Total	--	730 D	750 D	43	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)						
Acenaphthene	20	1.8	5.7 U	1.9	0.52 U	0.50 U
Acenaphthylene	--	12	6.9	2.0	0.52 U	0.50 U
Anthracene	50	0.50 U	5.7 U	0.51 U	0.52 U	0.13 J
Benzo(a)anthracene	0.002	0.50 U	5.7 U	0.51 U	0.52 U	0.50 U
Benzo(a)pyrene	ND	0.50 U	5.7 U	0.51 U	0.52 U	0.50 U
Benzo(b)fluoranthene	0.002	0.50 U	5.7 U	0.51 U	0.52 U	0.11 J
Benzo(g,h,i)perylene	--	0.50 U	5.7 U	0.51 U	0.52 U	0.50 U
Benzo(k)fluoranthene	0.002	0.50 U	5.7 U	0.51 U	0.52 U	0.50 U
Chrysene	0.002	0.50 U	5.7 U	0.51 U	0.52 U	0.13 J
Dibenz(a,h)anthracene	--	0.50 U	5.7 U	0.51 U	0.52 U	0.50 U
Fluoranthene	50	0.50 U	5.7 U	0.51 U	0.35 J	0.40 J
Fluorene	50	1.4	5.7 U	1.1	0.52 U	0.12 J
Indeno(1,2,3-cd)pyrene	0.002	0.50 U	5.7 U	0.51 U	0.52 U	0.50 U
Methylnaphthalene, 2-	--	33 J	16 J	0.51 U	0.52 U	0.28 J
Naphthalene	10	2,900 DJ	1,900 DJ	0.51 U	0.10 J	2.6
Phenanthrene	50	0.50 U	5.7 U	0.38 J	0.52 U	0.23 J
Pyrene	50	0.50 U	5.7 U	0.51 U	0.49 J	0.44 J
Total Cyanide (USEPA SW-846 Method 9012B)						
Cyanide, Total	200	10 U	10 UB	10 U	10 U	10 U

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		Hoyt Street ROW CGMW-65D CGMW-65D Deep 117.50 to 127.50 -94.60 to -104.60 11/14/2023	Hoyt Street ROW CGMW-65D CGMW-65D Deep 117.50 to 127.50 -94.60 to -104.60 4/19/2024	Hoyt Street ROW CGMW-65D CGMW-65D Deep 117.50 to 127.50 -94.60 to -104.60 10/2/2024	4th Street ROW CGMW-66I CGMW-66I Intermediate 55.00 to 65.00 -44.25 to -54.25 12/5/2022	4th Street ROW CGMW-66I CGMW-66I Intermediate 55.00 to 65.00 -44.25 to -54.25 4/21/2023	4th Street ROW CGMW-66I CGMW-66I Intermediate 55.00 to 65.00 -44.25 to -54.25 11/15/2023
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	0.58 J	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	0.60 J	0.66 J	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.47 UJ	0.54 U	0.53 U	0.52 U	0.50 U	0.50 U
Acenaphthylene	--	0.47 UJ	0.54 U	0.53 U	0.15 J	0.50 U	0.50 U
Anthracene	50	0.47 UJ	0.54 U	0.53 U	0.52 U	0.50 U	0.50 U
Benzo(a)anthracene	0.002	0.47 U	0.54 U	0.53 U	0.52 U	0.50 U	0.50 U
Benzo(a)pyrene	ND	0.47 U	0.54 U	0.53 U	0.52 U	0.50 U	0.50 U
Benzo(b)fluoranthene	0.002	0.47 U	0.54 U	0.53 U	0.52 U	0.50 U	0.50 U
Benzo(g,h,i)perylene	--	0.47 UJ	0.54 U	0.53 U	0.52 U	0.50 U	0.50 U
Benzo(k)fluoranthene	0.002	0.47 U	0.54 U	0.53 U	0.52 U	0.50 U	0.50 U
Chrysene	0.002	0.47 U	0.54 U	0.53 U	0.52 U	0.50 U	0.50 U
Dibenz(a,h)anthracene	--	0.47 UJ	0.54 U	0.53 U	0.52 U	0.50 U	0.50 U
Fluoranthene	50	0.24 J	0.54 U	0.27 J	0.12 J	0.50 U	0.50 U
Fluorene	50	0.47 UJ	0.54 U	0.53 U	0.25 J	0.50 U	0.50 U
Indeno(1,2,3-cd)pyrene	0.002	0.47 UJ	0.54 U	0.53 U	0.52 U	0.50 U	0.50 U
Methylnaphthalene, 2-	--	0.47 UJ	0.54 U	0.53 U	0.21 J	0.50 U	0.50 U
Naphthalene	10	0.47 UJ	0.18 J	0.51 J	0.66	0.50 U	0.50 UB
Phenanthrene	50	0.28 J	0.54 U	0.53 U	0.86	0.14 J	0.50 U
Pyrene	50	0.34 J	0.20 J	0.47 J	0.52 U	0.50 U	0.50 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	5.3 J	10 U	10 U	10 U	10 U	10 U

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Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		4th Street ROW CGMW-66I CGMW-66I Intermediate 55.00 to 65.00 -44.25 to -54.25 4/19/2024	4th Street ROW CGMW-66I CGMW-66I Intermediate 55.00 to 65.00 -44.25 to -54.25 10/2/2024	4th Street ROW CGMW-66D CGMW-66D Deep 117.50 to 127.50 -106.75 to -116.75 12/5/2022	4th Street ROW CGMW-66D CGMW-66D Deep 117.50 to 127.50 -106.75 to -116.75 4/21/2023	4th Street ROW CGMW-66D CGMW-66D Deep 117.50 to 127.50 -106.75 to -116.75 11/15/2023	4th Street ROW CGMW-66D CGMW-66D Deep 117.50 to 127.50 -106.75 to -116.75 4/19/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	0.60 J	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Acenaphthylene	--	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Anthracene	50	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Benzo(a)anthracene	0.002	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Benzo(a)pyrene	ND	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Benzo(b)fluoranthene	0.002	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Benzo(g,h,i)perylene	--	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Benzo(k)fluoranthene	0.002	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Chrysene	0.002	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Dibenz(a,h)anthracene	--	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Fluoranthene	50	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Fluorene	50	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Methylnaphthalene, 2-	--	0.51 U	0.53 U	0.51 U	0.29 J	0.50 U	0.51 U
Naphthalene	10	0.51	0.53 U	0.51 U	2.0	0.50 U	0.51 U
Phenanthrene	50	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Pyrene	50	0.51 U	0.53 U	0.51 U	0.52 U	0.50 U	0.51 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 UB	10 U	10 U	10 U	10 U	10 UB

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Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		4th Street ROW CGMW-66D CGMW-66D Deep 117.50 to 127.50 -106.75 to -116.75 10/2/2024	3rd Street ROW CGMW-67S CGMW-67S Shallow 6.00 to 16.00 2.67 to -7.33 12/6/2022	3rd Street ROW CGMW-67S CGMW-67S Shallow 6.00 to 16.00 2.67 to -7.33 4/21/2023	3rd Street ROW CGMW-67S CGMW-XX-20230421 Shallow 6.00 to 16.00 2.67 to -7.33 4/21/2023	3rd Street ROW CGMW-67S CGMW-67S Shallow 6.00 to 16.00 2.67 to -7.33 11/13/2023	3rd Street ROW CGMW-67S CGMW-67S Shallow 6.00 to 16.00 2.67 to -7.33 4/19/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	0.52 U	0.51 U	0.29 J	0.52 U	0.69	1.2
Acenaphthylene	--	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Anthracene	50	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Benzo(a)anthracene	0.002	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Benzo(a)pyrene	ND	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Benzo(b)fluoranthene	0.002	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Benzo(g,h,i)perylene	--	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Benzo(k)fluoranthene	0.002	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Chrysene	0.002	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Dibenz(a,h)anthracene	--	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Fluoranthene	50	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Fluorene	50	0.52 U	0.33 J	0.52 U	0.52 U	0.20 J	0.66
Indeno(1,2,3-cd)pyrene	0.002	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Methylnaphthalene, 2-	--	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Naphthalene	10	0.52 U	0.51 U	0.52 U	0.52 U	0.17 J	0.26 J
Phenanthrene	50	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Pyrene	50	0.52 U	0.51 U	0.52 U	0.52 U	0.47 U	0.52 U
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	10 U	10 U	5.0 J	9.4 J	10 UB

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Property or General Location: Location ID: Sample ID: Screened Zone ³ : Screened Interval (feet bgs): Screened Interval (feet NAVD88): Parameter Sample Date:		3rd Street ROW CGMW-67S CGMW-67S Shallow 6.00 to 16.00 2.67 to -7.33 10/2/2024	3rd Street ROW CGMW-67I CGMW-67I Intermediate 33.00 to 43.00 -24.33 to -34.33 12/6/2022	3rd Street ROW CGMW-67I CGMW-67I Intermediate 33.00 to 43.00 -24.33 to -34.33 4/21/2023	3rd Street ROW CGMW-67I CGMW-67I Intermediate 33.00 to 43.00 -24.33 to -34.33 11/13/2023	3rd Street ROW CGMW-67I CGMW-67I Intermediate 33.00 to 43.00 -24.33 to -34.33 4/19/2024	3rd Street ROW CGMW-67I CGMW-67I Intermediate 33.00 to 43.00 -24.33 to -34.33 10/2/2024
Volatile Organic Compounds (USEPA SW-846 Method 8260D)							
Benzene	1	1.0 U	160	120	140	120	160
Ethylbenzene	5	0.55 J	870 D	490 D	690 D	560 D	420 D
Toluene	5	1.0 U	16	7.4	28	6.9	4.9
Xylenes, Total	--	1.0 U	130	86	220	74	49
Semivolatile Organic Compounds (USEPA SW-846 Method 8270E)							
Acenaphthene	20	1.6	190 D	130 D	170 D	160 D	180 D
Acenaphthylene	--	0.51 U	4.5	2.9	7.6	3.9	2.9
Anthracene	50	0.51 U	2.5	2.7	3.3	3.4	2.7
Benzo(a)anthracene	0.002	0.51 U	0.51 U	0.51 U	0.46 U	0.51 U	0.50 U
Benzo(a)pyrene	ND	0.51 U	0.51 U	0.51 U	0.46 U	0.51 U	0.50 U
Benzo(b)fluoranthene	0.002	0.51 U	0.51 U	0.51 U	0.46 U	0.51 U	0.50 U
Benzo(g,h,i)perylene	--	0.51 U	0.51 U	0.51 U	0.46 U	0.51 U	0.50 U
Benzo(k)fluoranthene	0.002	0.51 U	0.51 U	0.51 U	0.46 U	0.51 U	0.50 U
Chrysene	0.002	0.51 U	0.51 U	0.51 U	0.46 U	0.51 U	0.50 U
Dibenz(a,h)anthracene	--	0.51 U	0.51 U	0.51 U	0.46 U	0.51 U	0.50 U
Fluoranthene	50	0.51 U	0.31 J	0.19 J	0.15 J	0.16 J	0.17 J
Fluorene	50	0.40 J	7.8	7.2	6.9	18 J	13
Indeno(1,2,3-cd)pyrene	0.002	0.51 U	0.51 U	0.51 U	0.46 U	0.51 U	0.50 U
Methylnaphthalene, 2-	--	0.51 U	0.51 U	2.1	18	9.5	0.50 U
Naphthalene	10	1.6	0.51 U	1.4	2,100 D	980 D	35
Phenanthrene	50	0.51 U	27	26	33	33 J	29
Pyrene	50	0.51 U	0.33 J	0.19 J	0.19 J	0.21 J	0.18 J
Total Cyanide (USEPA SW-846 Method 9012B)							
Cyanide, Total	200	10 U	10 U	10 U	8.0 J	10 UB	10 U

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Fall 2024 Post-Remediation Groundwater Monitoring Report

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site Nos. 224012, C224012, and C224012B

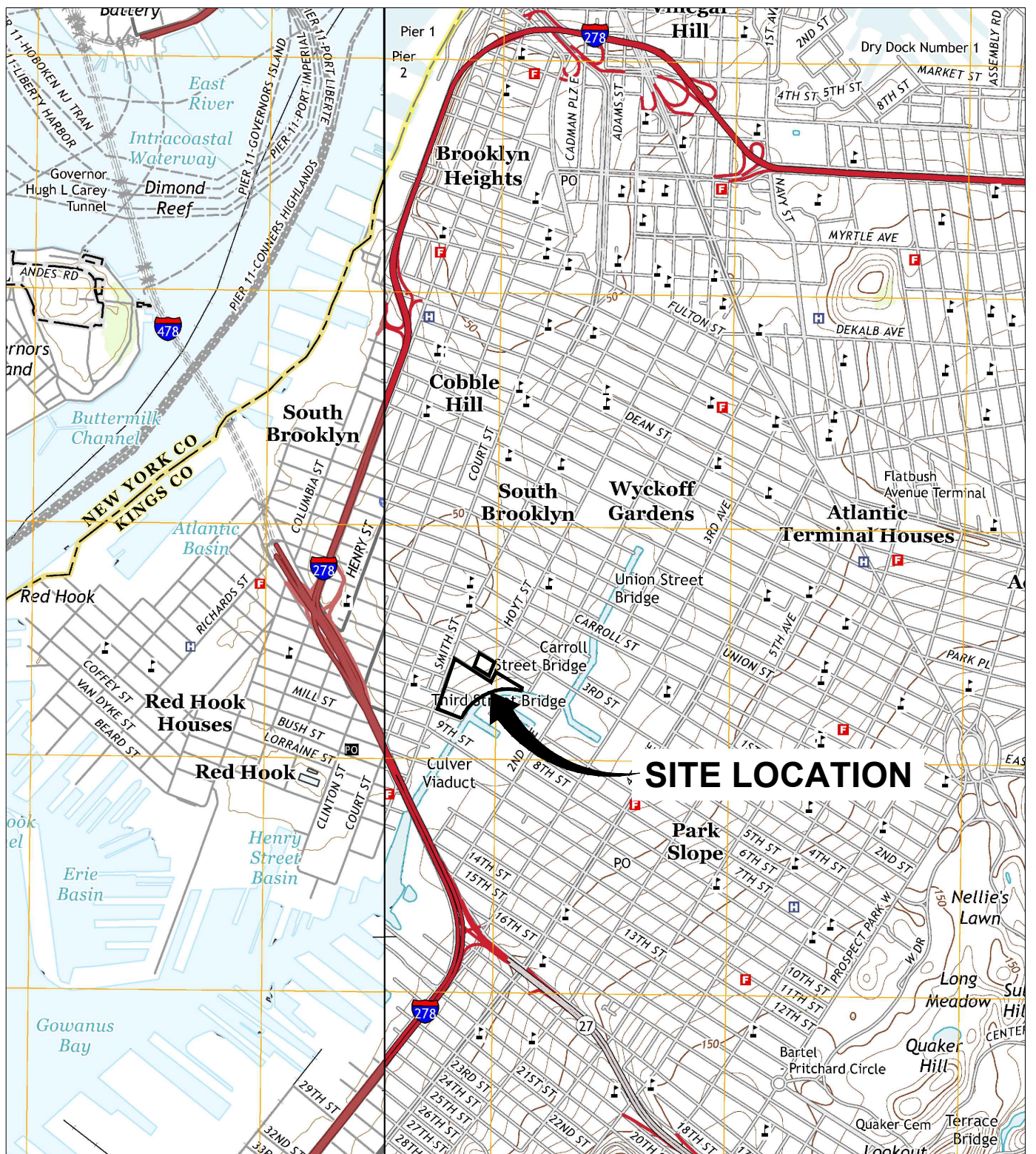
Notes:

1. Sample concentrations are presented in units of micrograms per liter ($\mu\text{g/L}$).
2. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
3. As described in the *Final Remedial Investigation Report* (GEI Consultants, Inc. 2005), the shallow zone generally extends from the water table (approximately elevation 16.0 feet to approximately elevation -2.0 feet NAVD88) to the bottom of the discontinuous alluvial/marsh deposits (approximately elevation -10.0 feet to approximately elevation -24.0 feet NAVD88), the intermediate zone generally extends from the bottom of the discontinuous alluvial/marsh deposits (approximately elevation -10.0 feet to approximately elevation -24.0 feet NAVD88) to the bottom of the discontinuous glacial silt and glacial clay layers (approximately elevation -90.0 feet NAVD88), and the deep zone generally extends from the bottom of the discontinuous glacial silt and glacial clay layers (approximately elevation -90.0 feet) to the vertical extent of subsurface exploration at the Site (approximately elevation -135.0 feet NAVD88).
4. New York State Class GA (groundwater) ambient water quality standards and guidance values are from the New York State Department of Environmental Conservation's (NYSDEC's) Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, titled *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (NYSDEC 1998).
5. Bolded sample concentrations denote detected parameters.
6. Gray shading denotes sample concentrations that exceed the applicable New York State Class GA ambient water quality standards or guidance values.
7. --: No applicable standard or guidance value is listed in TOGS 1.1.1 for this parameter.
8. bgs: below ground surface.
9. NA: not analyzed.
10. ND: non-detect.
11. USEPA: United States Environmental Protection Agency.

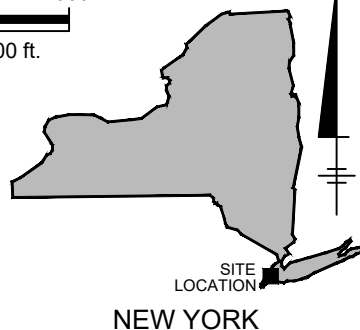
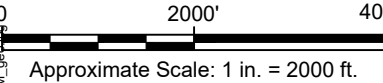
Data Qualifiers:

1. B: Parameter was also detected in the associated method blank.
2. D: Concentration is based on a diluted sample analysis.
3. J: Concentration is less than the reporting limit (RL), but greater than or equal to the method detection limit. The reported concentration is an estimate.
4. R: Sample result has been rejected.
5. U: Parameter was not detected in the sample. The reported concentration is the RL.
6. UB: Parameter is considered non-detect at the listed value due to associated blank contamination.
7. UJ: Parameter was not detected above the reported RL. However, the reported RL is approximate and may or may not represent the actual RL.

Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., BROOKLYN, NY, 2013, AND JERSEY CITY, NY-NJ, 2014.



NATIONAL GRID
FORMER CITIZENS GAS WORKS MANUFACTURED GAS PLANT SITE
BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK
**FALL 2024 POST-REMEDATION
GROUNDWATER MONITORING REPORT**

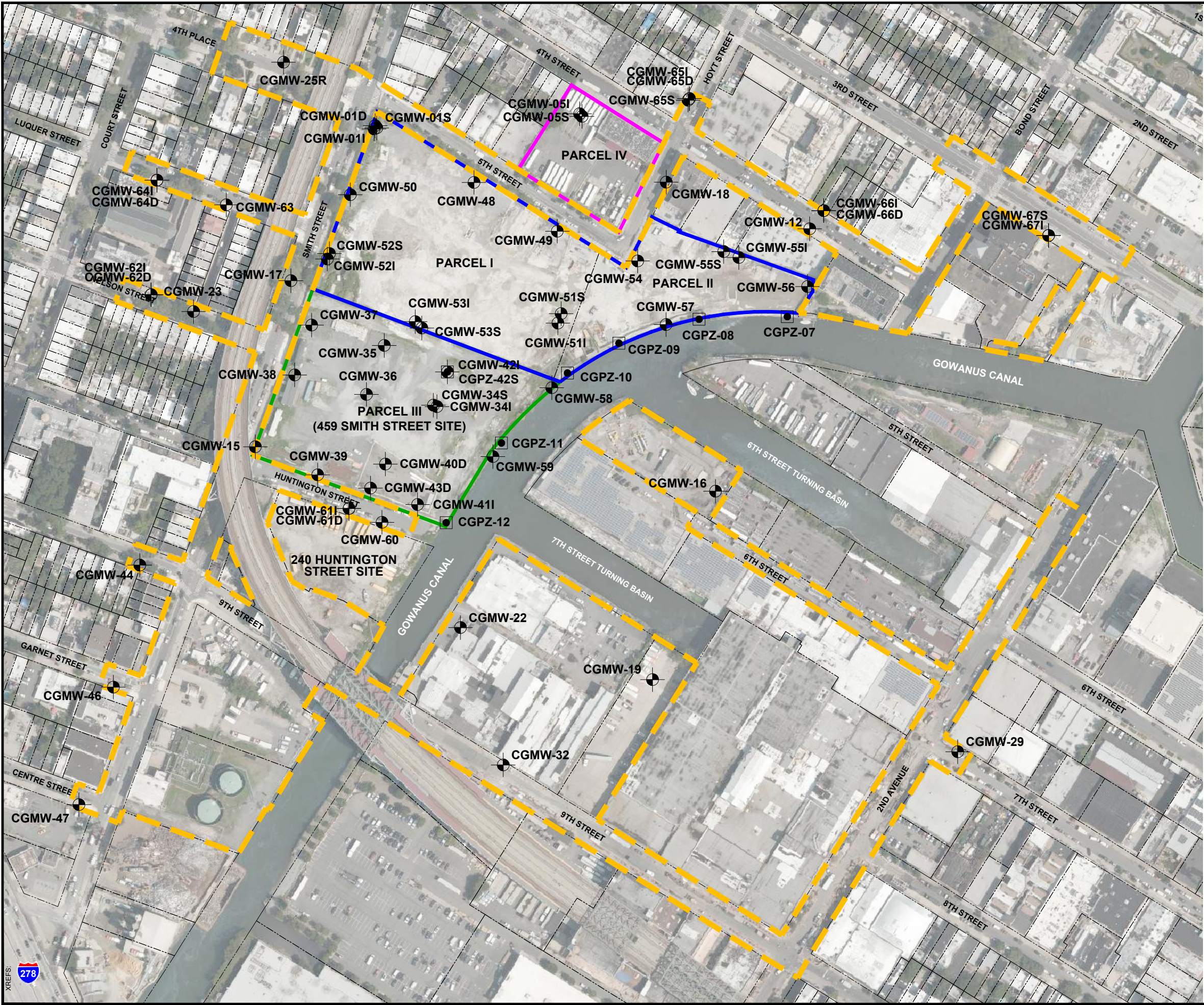
SITE LOCATION MAP



FIGURE

1

C:\Users\jrharris\Documents\Arcadis\ACC\USAUS\99999999\NATL_GRID_FMR_CITIZENS_BROOKLYN_NY\Project Files\10_WIP\101_ARC_ENV\202501+DWG\GWMR-FALL2024-F02-PZ-MW PLAN.dwg LAYOUT: 2 SAVED: 1/9/2025 8:51 PM ACADVER: 24.3S (LMS TECH) PAGES: 1 OF 1
PLOT STYLE TABLE: PLTCONT.ctb PLOTTED: 1/10/2025 11:27 AM BY: HARRIS, JESS
XREFS: 278



- LEGEND:
- LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012 (PARCELS I AND II)
 - LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012B (PARCEL III/459 SMITH STREET SITE)
 - LIMIT OF STATE SUPERFUND SITE NO. 224012 (PARCEL IV)
 - - - APPROXIMATE LIMIT OF OFF-SITE INVESTIGATION AREA
 - - - PROPERTY LINE (APPROXIMATE)
 - EXISTING PIEZOMETER
 - EXISTING MONITORING WELL
- CGPZ-42S
- CGMW-17

- NOTES:
- HORIZONTAL REFERENCE DATUM IS THE NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE PLANE EAST ZONE.
 - VERTICAL REFERENCE DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 - AERIAL IMAGE PROVIDED BY BING MAPS.
 - PARCEL BOUNDARIES DOWNLOADED FROM GIS OPEN DATA PORTAL, REVISED NOVEMBER 15, 2022 (opendata.cityofnewyork.us).

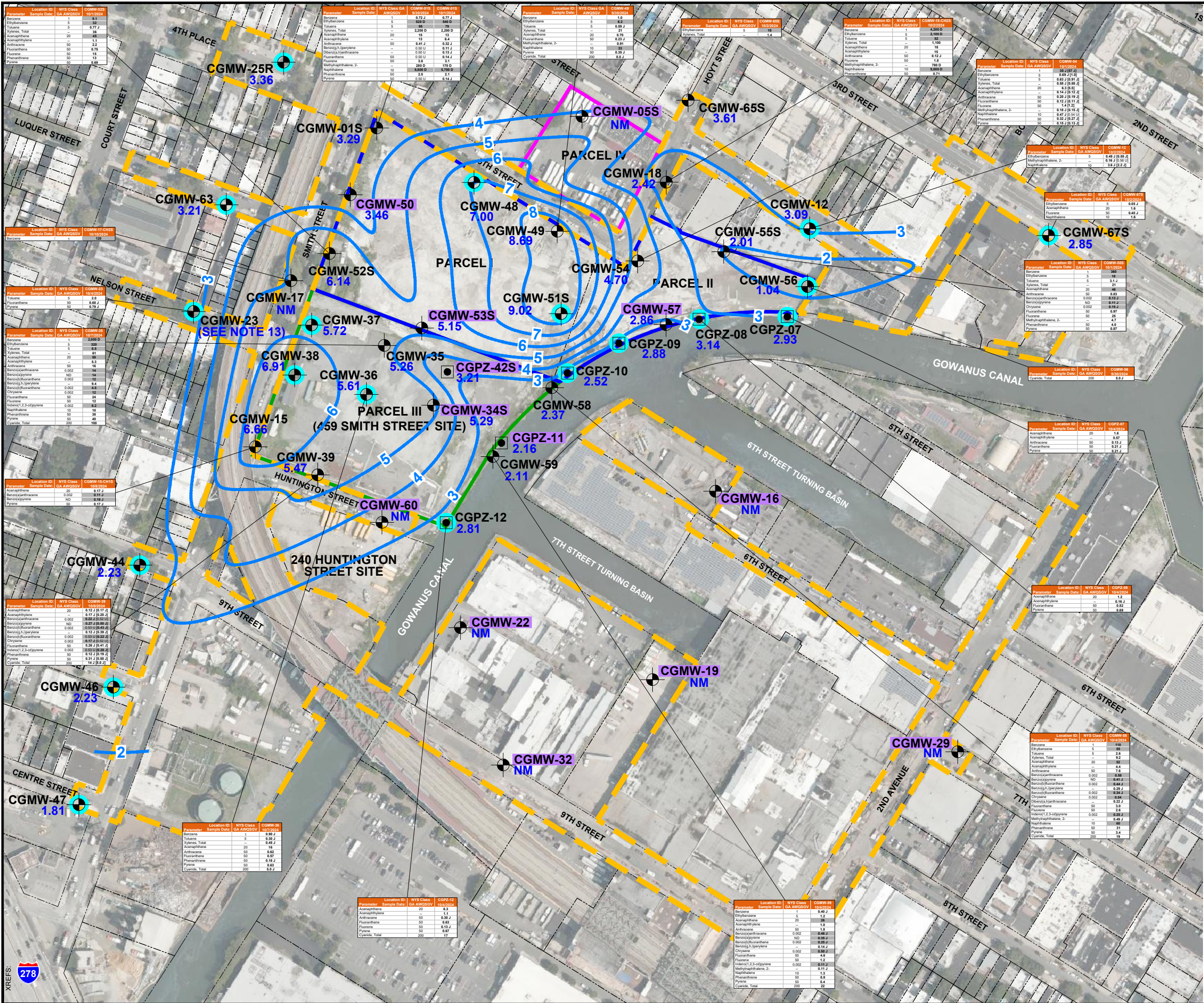
0 100' 200'
GRAPHIC SCALE

NATIONAL GRID
FORMER CITIZENS GAS WORKS MANUFACTURED GAS PLANT SITE
BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK
FALL 2024 POST-REMEDIATION
GROUNDWATER MONITORING REPORT

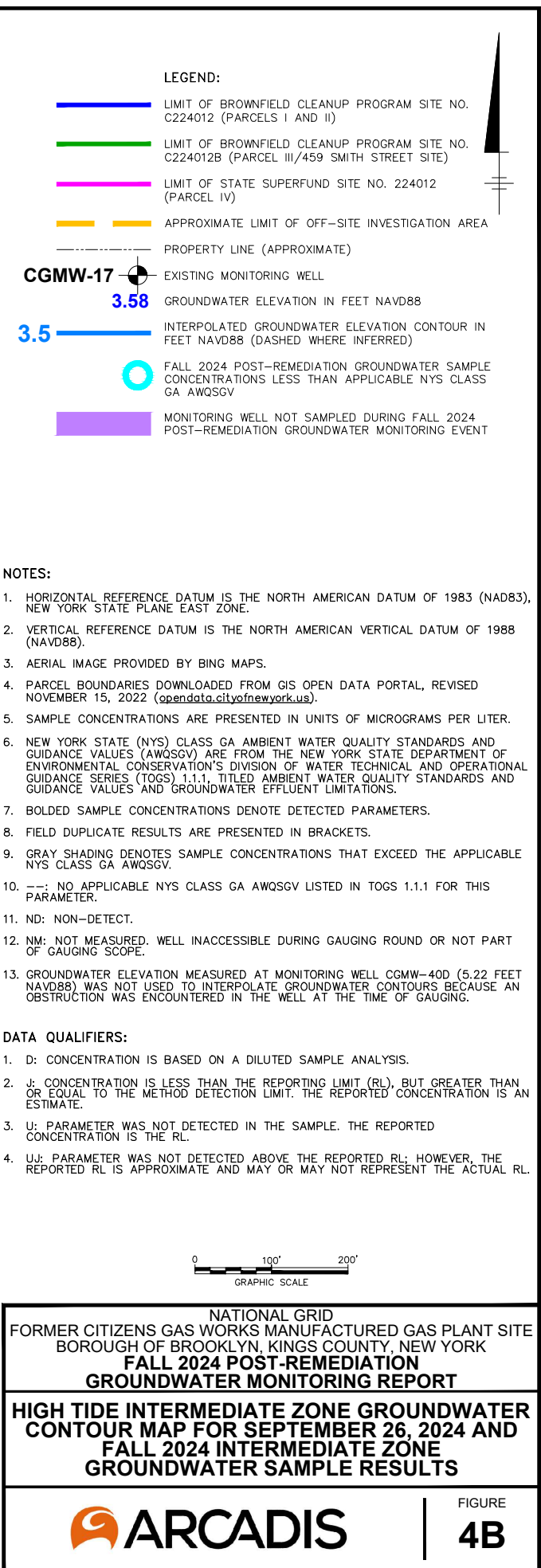
PIEZOMETER AND MONITORING WELL PLAN



FIGURE
2









 LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012 (PARCELS I AND II)
 LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012B (PARCEL III/459 SMITH STREET SITE)
 LIMIT OF STATE SUPERFUND SITE NO. 224012 (PARCEL IV)
 APPROXIMATE LIMIT OF OFF-SITE INVESTIGATION AREA
 PROPERTY LINE (APPROXIMATE)
 **GMW-17** EXISTING MONITORING WELL
 **3.34** GROUNDWATER ELEVATION IN FEET NAVD88
 INTERPOLATED GROUNDWATER ELEVATION CONTOUR IN FEET NAVD88 (DASHED WHERE INFERRED)
 FALL 2024 POST-REMEDIATION GROUNDWATER SAMPLE CONCENTRATIONS LESS THAN APPLICABLE NYS CLASS GA AWQSGV
 MONITORING WELL NOT SAMPLED DURING FALL 2024 POST-REMEDIATION GROUNDWATER MONITORING EVENT

1. HORIZONTAL REFERENCE DATUM IS THE NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE PLANE EAST ZONE.
2. VERTICAL REFERENCE DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. AERIAL IMAGE PROVIDED BY BING MAPS.
4. PARCEL BOUNDARIES DOWNLOADED FROM GIS OPEN DATA PORTAL, REVISED NOVEMBER 15, 2022 (opendata.cityofnewyork.us).
5. SAMPLE CONCENTRATIONS ARE PRESENTED IN UNITS OF MICROGRAMS PER LITER.
6. NEW YORK STATE (NYS) CLASS GA AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (AWQSGV) ARE FROM THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION'S DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1, TITLED AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES AND GROUNDWATER EFFLUENT LIMITATIONS.
7. BOLDED SAMPLE CONCENTRATIONS DENOTE DETECTED PARAMETERS.
8. FIELD DUPLICATE RESULTS ARE PRESENTED IN BRACKETS.
9. GRAY SHADING DENOTES SAMPLE CONCENTRATIONS THAT EXCEED THE APPLICABLE NYS CLASS GA AWQSGV.
10. --: NO APPLICABLE NYS CLASS GA AWQSGV LISTED IN TOGS 1.1.1 FOR THIS PARAMETER.
11. ND: NON-DETECT.
12. NM: NOT MEASURED. WELL INACCESSIBLE DURING GAUGING ROUND OR NOT PART OF GAUGING SCOPE.

1. J: CONCENTRATION IS LESS THAN THE REPORTING LIMIT (RL), BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT. THE REPORTED CONCENTRATION IS AN ESTIMATE.
2. U: PARAMETER WAS NOT DETECTED IN THE SAMPLE. THE REPORTED CONCENTRATION IS THE RL.
3. UB: PARAMETER IS CONSIDERED NON-DETECT AT THE LISTED VALUE DUE TO ASSOCIATED BLANK CONTAMINATION.
4. UJ: PARAMETER WAS NOT DETECTED ABOVE THE REPORTED RL; HOWEVER, THE REPORTED RL IS APPROXIMATE AND MAY OR MAY NOT REPRESENT THE ACTUAL RL.

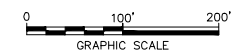


FIGURE
5A

