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Date: November 10, 2021
Our Ref: 30004014.00002
Subject: Data Summary Report for Off-Site Area
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Dear Mr. Van Rossem,

This report 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 environmental investigations completed in the public rights-of-way and at several privately-owned properties surrounding the former Citizens Gas Works manufactured gas plant (MGP) site (hereinafter, the "Site") in Brooklyn, New York. These off-Site environmental investigations were conducted on behalf of National Grid by GEI Consultants, Inc. (GEI) between 2003 and 2015 and consisted of a remedial investigation (RI), which was completed as part of the Site-wide RI, and a supplemental remedial investigation (SRI). The results of the RI, including those RI-related activities completed in the off-Site area, were presented in the *Final Remedial Investigation Report* (RI Report; GEI 2005) and the results of the initial SRI activities – specifically, those completed between May and June 2006 – were presented in the *Supplemental Remedial Investigation (SRI) Interim Data Summary* (National Grid 2009b). Although not completed as part of an environmental investigation, it should be noted that test pit CGTP-205 was excavated on the off-Site 98 4th Street property on December 10, 2012 to locate and open an underground manhole associated with the Bond-Lorraine Street sewer. The test pitting work was summarized in Section 2.2 of the *Data Summary Report, Barrier Wall Pilot Test Program* (GEI 2015) and the log for test pit CGTP-205 was included in Appendix C of that document. For completeness, a copy of that test pit log has also been included in Attachment A of this report and the relevant details are summarized in Table 1.

The remainder of this report presents relevant background information regarding the Site and summarizes the scope and results of the environmental investigations completed in the off-Site area.

Site Background

Site Location and Description

The Site is generally located at the intersection of Smith and 5th Streets in the Carroll Gardens neighborhood of the Borough of Brooklyn, Kings County, New York (Figure 1), and comprises four properties, which are commonly referred to as "Parcel I" (Block 471, Lot 1), "Parcel II" (Block 471, Lot 100), "Parcel III" (Block 471, Lot 200), and "Parcel IV" (Block 468, Lot 25). Parcels I, II, and III of the Site encompass a contiguous area of approximately 9.6

acres and are generally bounded by 5th Street, Hoyt Street, and privately-owned commercial properties to the north, Smith Street to the west, Huntington Street to the southwest, and the Gowanus Canal to the south and east (Figure 2). Parcel IV of the Site is located at 38 4th Street and comprises approximately 1.05 acres. The property is generally bounded by 4th Street to the north, privately-owned properties to the west, Hoyt Street to the east and southeast, and 5th Street to the southwest (Figure 2).

The area surrounding the Site is densely populated and includes a mix of commercial, industrial, and residential land uses. As shown on Figure 2, the off-Site investigation area is generally bounded by 4th Street to the north, 3rd Street to the northeast, 2nd Avenue to the east across the Gowanus Canal, 9th Street to the southeast across the Gowanus Canal, Centre Street to the south-southwest, and Court Street to the west.

Site History

Operational History

The Site and surrounding area were originally part of the wetlands system adjacent to Gowanus Creek. The area was artificially filled as part of the construction of the Gowanus Canal in the 1860s. Soon after the completion of the canal, the Citizens Gas Company constructed a coal gasification plant between 5th Street and 6th Street on the northern portions of Parcels I and II of the Site. The initial MGP included three gas holders (hereinafter, “Holder No. 1”, “Holder No. 2”, and “Holder No. 3”), a retort house, and coal storage areas. At that time, the southern area of Parcel III was occupied by a chemical fertilizer production facility, which was not affiliated with the MGP. The Brooklyn Union Gas Company acquired the MGP in 1895, and by 1904, a hydrogen gas holder (unnumbered) was located on Parcel I southeast of Holder No. 3, a purifier house was present on the northeast side of 6th Street, and a separator house and drip oil storage were located southwest of 6th Street. The chemical fertilizer production facility closed sometime between 1904 and 1915 and Parcel III was further developed to include additional tar handling facilities and oil storage tanks. The unnumbered hydrogen gas holder on Parcel I was decommissioned during this period.

Parcel IV was acquired in 1922 and, between 1923 and 1924, a new governor house, meter house, and five-section, 5-million-cubic-foot gas holder (“Holder No. 4”) was constructed on the property. By 1939, the plant had reached the extent of its construction. This included a new gas holder (“Holder No. 5”, which replaced Holder No. 1 near the corner of Smith and 5th Streets), two new purifier houses, and additional oil storage on Parcel I and a larger tar separator on Parcel III. Between 1928 and 1948, a one-million-gallon oil tank was constructed on Parcel III and the two 86-foot diameter gas holders (Holder Nos. 2 and 3) on Parcel I were decommissioned as gas holders and converted for use as a tar dehydrator tank and tar separator tank, respectively. The plant was converted to an oil gasification plant in 1952 and operated as such until its closure in the early 1960s. The Brooklyn Union Gas Company sold the MGP properties in 1969.

Following the sale of the MGP properties, Parcel II was the site of a concrete plant that operated from the 1970s until 2019. During this period, Parcel I was used by the operator of the concrete plant (located on Parcel II) for employee parking, equipment staging, and material storage. As noted in the RI Report, illegal dumping of material (e.g., concrete, drums, construction waste, etc.) also occurred on Parcel I in the 1970s. A warehouse was constructed on Parcel III in 1971 and was used for various commercial enterprises until 2009 when it was demolished. Parcel III has generally remained vacant since that time.

Regulatory History

KeySpan Corporation, a predecessor to National Grid, and NYSDEC entered into a Voluntary Cleanup Agreement (Index No. A2-0460-0502), effective August 31, 2002, for the investigation and remediation of Parcels I and II of the Site (formerly designated as Site No. V00360). The Voluntary Cleanup Agreement was terminated effective November 11, 2007, and NYSDEC and National Grid, the City of New York, Vichar, Inc., and Harvic International Ltd. subsequently entered into a Brownfield Site Cleanup Agreement (BCA; Index No. A2-0610-0808), effective February 18, 2009, for the investigation and remediation of Parcels I, II, and III, which (at that time) were collectively designated as Site No. C224012. Contemporaneously, National Grid and NYSDEC entered into a multi-site Order on Consent and Administrative Settlement (Index No. A2-0552-0606), effective March 4, 2007 and amended on August 10, 2007, which requires National Grid to implement a remedial program for several former MGP sites on Long Island and in the New York City area, including Parcel IV of the Site.

Summary of Environmental Investigations

This section summarizes the scope and results of the environmental investigations completed in the off-Site area to characterize existing conditions with respect to MGP-related impacts. As indicated above, the investigations were conducted on behalf of National Grid by GEI between 2003 and 2015 and consisted of an RI and an SRI. The off-Site investigation locations (surface soil sample, soil borings, monitoring wells, and test pit) are shown on Figure 3 and the soil boring, well construction, and test pit logs are provided in Attachment A. Table 1 summarizes the surface soil sample, soil boring, and test pit locations, including the visible impacts (if any) observed at each location. Monitoring well construction details, water level measurements, and dense non-aqueous phase liquid (DNAPL) thickness measurements are summarized in Tables 2, 3, and 4, respectively. Surface soil and subsurface soil sample results are summarized in Tables 5 and 6, respectively. Table 7 summarizes the final (stabilized) groundwater field parameters and physical observations of the monitoring well purge water that were recorded before groundwater samples were collected. Groundwater and DNAPL sample results are summarized in Tables 8 and 9, respectively.

Remedial Investigation (2003-2005)

The RI work in the off-Site area was conducted between April 30, 2003 and July 10, 2003 and between November 5, 2004 and May 5, 2005 in accordance with the *Remedial Investigation Work Plan* (GEI 2003) and *Supplemental Remedial Investigation Work Plan* (GEI 2004). The RI scope generally included the following:

- Drilling of 11 soil borings (CGSB-26, CGSB-31 through CGSB-33, CGSB-39, CGSB-42 through CGSB-44, CGSB-48, CGSB-49, and CGSB-52) using sonic drilling methods and collection and analysis of 39 subsurface soil samples;
- Installation of 10 monitoring wells (CGMW-06S, CGMW-06I, CGMW-06D, CGMW-11, CGMW-12, CGMW-16 through CGMW-19, and CGMW-22), collection of water level measurements, and collection and analysis of 22 groundwater samples; and
- Collection of DNAPL thickness measurements and collection and analysis of a DNAPL sample from monitoring well CGMW-06I.

Subsurface soil and groundwater samples were submitted to and analyzed by Severn Trent Laboratories, Inc. for the following parameters:

- Volatile organic compounds (VOCs) in accordance with United States Environmental Protection Agency (USEPA) SW-846 Method 8260;
- Semivolatile organic compounds (SVOCs) in accordance with USEPA SW-846 Method 8270;
- Arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver (RCRA 8 metals) in accordance with USEPA SW-846 Methods 6010 and 7470/7471; and
- Total cyanide in accordance with USEPA SW-846 Method 9012.

The groundwater sample collected on June 4, 2003 from monitoring well CGMW-06S was also analyzed for pesticides in accordance with USEPA SW-846 Method 8081. The DNAPL sample collected from monitoring well CGMW-06I was submitted to and analyzed by Severn Trent Laboratories, Inc. for VOCs, SVOCs, specific gravity, and kinematic viscosity in accordance with USEPA SW-846 Method 8260, USEPA SW-846 Method 8270, Standard Method 2710 F, and ASTM D445, respectively.

The results of the off-Site RI work were presented in the RI Report. The RI soil boring and monitoring well locations are shown on Figure 3 and the soil boring and well construction logs are provided in Attachment A. Visible impacts (if any) observed in the RI soil borings are summarized in Table 1. Monitoring well construction details, water level measurements, and DNAPL thickness measurements collected during the RI are summarized in Tables 2, 3, and 4, respectively. Table 6 summarizes the RI subsurface soil sample results and identifies the lower of the restricted use soil cleanup objectives (SCOs) for protection of public health (restricted residential) or protection of groundwater, as set forth in Table 375-6.8(b) of Title 6, Part 375 of the New York Codes, Rules, and Regulations (6 NYCRR 375; Environmental Remediation Programs). Sample concentrations that exceed the applicable SCOs are shaded gray.

Table 7 summarizes the final (stabilized) groundwater field parameters and physical observations of the monitoring well purge water that were recorded before the RI groundwater samples were collected. The RI groundwater sample results are summarized in Table 8. Table 8 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 (TOGS) 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 9 summarizes the results for the DNAPL sample collected from monitoring well CGMW-06I.

Supplemental Remedial Investigation (2006-2015)

The off-Site SRI was conducted over several field mobilizations – generally, between May 20 and June 21, 2006, between January 9 and March 7, 2008, between December 16, 2009 and November 22, 2010, between November 6 and November 20, 2012, between May 11 and May 20, 2013, and on June 10, June 11, and July 28, 2015 – in accordance with the *Supplemental Remedial Investigation (RI) Work Plan* (KeySpan Corporation 2005), *Supplemental Remedial Investigation Work Plan* (National Grid 2009a), *Supplemental Remedial Investigation (SRI) Work Plan Addendum* (National Grid 2009c), and *Supplemental Remedial Investigation (SRI) Work Plan Addendum No. 2* (National Grid 2012). The SRI scope generally included the following:

- Collection and analysis of one surface soil sample (CGSS-23);
- Drilling of 24 soil borings – 13 using direct-push drilling methods (CGSB-53, CGSB-54, CGSB-54B, CGSB-55, CGSB-55B, CGSB-56, CGSB-57, CGSB-59, CGSB-60, and CGSB-95 through CGSB-98), eight using sonic drilling methods (CGSB-55, CGSB-58, CGSB-143, CGSB-145 through CGSB-147, CGSB-150, and

CGSB-151), two using hollow-stem auger drilling methods (CGSB-79 and CGSB-79B), and one using mud-rotary drilling methods (CGSB-54) – and collection and analysis of 39 subsurface soil samples; and

- Installation of 11 monitoring wells (CGMW-23 through CGMW-27, CGMW-29, CGMW-32, CGMW-40, CGMW-44, CGMW-46, and CGMW-47), collection of water level measurements, and collection and analysis of nine groundwater samples.

Surface soil, subsurface soil, and groundwater samples were submitted to and analyzed by TestAmerica Laboratories, Inc. for the following parameters:

- Surface Soil Sample:
    - VOCs in accordance with USEPA SW-846 Method 8260;
    - SVOCs in accordance with USEPA SW-846 Method 8270;
    - Polychlorinated biphenyls (PCBs) in accordance with USEPA SW-846 Method 8082;
    - Pesticides in accordance with USEPA SW-846 Method 8081;
    - Herbicides in accordance with USEPA SW-846 Method 8151; and
    - Arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver (RCRA 8 metals) in accordance with USEPA SW-846 Methods 6010 and 7470/7471;
- Subsurface Soil Samples:
    - VOCs in accordance with USEPA SW-846 Method 8260;
    - SVOCs in accordance with USEPA SW-846 Method 8270;
    - Arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver (RCRA 8 metals) in accordance with USEPA SW-846 Methods 6010 and 7470/7471; and
    - Total cyanide and/or free cyanide in accordance with USEPA SW-846 Method 9012 and/or USEPA SW-846 Methods 9013/ASTM D4248, respectively;
- Groundwater Samples:
    - VOCs in accordance with USEPA SW-846 Method 8260;
    - SVOCs in accordance with USEPA SW-846 Method 8270;
    - Arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver (RCRA 8 metals) in accordance with USEPA SW-846 Methods 6010 and 7470/7471; and
    - Total cyanide in accordance with USEPA SW-846 Method 9012.

Subsurface soil samples collected from soil borings CGSB-79 and CGSB-79B were also analyzed for PCBs, pesticides, and herbicides in accordance with USEPA SW-846 Methods 8082, 8081, and 8151, respectively.

The results of the SRI activities completed between May and June 2006 were presented in the *Supplemental Remedial Investigation (SRI) Interim Data Summary* (National Grid 2009b). The SRI soil boring locations are shown on Figure 3 and the soil boring and well construction logs are provided in Attachment A. Visible impacts (if any) observed in the SRI soil borings are summarized in Table 1. Monitoring well construction details and water level measurements collected during the SRI are summarized in Tables 2 and 3, respectively. Tables 5 and 6 summarize the SRI surface soil and subsurface soil sample results, respectively, and identify the lower of the restricted use SCOs for protection of public health (restricted residential) or protection of groundwater, as set forth in Table 375-6.8(b) of 6 NYCRR 375. Sample concentrations that exceed the applicable SCOs are shaded gray.

Table 7 summarizes the final (stabilized) groundwater field parameters and physical observations of the monitoring well purge water that were recorded before the SRI groundwater samples were collected. The SRI groundwater sample results are summarized in Table 8. Table 8 also identifies the available New York State Class GA ambient water quality standards and guidance values from the NYSDEC Division of Water's TOGS 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.

Conclusion

As summarized in Table 1, visible impacts (e.g., sheens, coatings, etc.) were generally observed in the off-Site soil borings located closest to the Site properties or Gowanus Canal (CGSB-26, CGSB-31, CGSB-33, CGSB-39, CGSB-42, CGSB-44, CGSB-48, CGSB-52, CGSB-58, CGSB-79, CGSB-143, CGSB-146, and CGSB-147). Further, where observed, the majority of those visible impacts were located below the groundwater table and generally at depths greater than 20 feet below existing grade. Visible impacts were not observed in any of the off-Site soil borings drilled west of Smith Street (CGSB-53, CGSB-54 [2006], CGSB-54 [2010], CGSB-54B, CGSB-55 [2006], CGSB-55 [2010], CGSB-55B, CGSB-145, CGSB-150, and CGSB-151), along 3rd Street to the northeast of the Site (CGSB-97 and CGSB-98), and along 2nd Avenue and 9th Street on the west side of the Gowanus Canal (CGSB-59, CGSB-60, CGSB-95, and CGSB-96). As described in Section 6.5.5 of the RI Report, potential receptors for off-Site surface soil, subsurface soil, and shallow groundwater impacts are limited to utility workers and future construction workers. There is no complete exposure pathway from either soil or groundwater for the public and off-Site property owners due to the general lack of exposed surface soils and the depth of the impacts. Groundwater is generally located over 10 feet below existing grade and is not used as a source of drinking or process water.

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

Sincerely,
Arcadis of New York, Inc.

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CC. Andrew Prophete, National Grid
John Alonzo, de maximis
Terry Young, PE, Arcadis

Mr. Patrick Van Rossem
National Grid
November 10, 2021

Enclosures:

Tables:

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Figures:

Figure 1. Site Location Map
Figure 2. Plan of Site and Off-Site Area
Figure 3. Off-Site Investigation Plan

Attachments:

Attachment A. Soil Boring, Well Construction, and Test Pit Logs

References:

GEI. 2003. *Remedial Investigation Work Plan*. Former Citizens Gas Works MGP Site, Carroll Gardens/Public Place, Brooklyn, New York. Prepared for KeySpan Energy Corporation. February 11.

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Tables

Table 1
Soil Investigation Summary
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Location ID	Date Completed	Off-Site Property or General Location	Easting (feet NAD83)	Northing (feet NAD83)	Ground Surface Elevation (feet NAVD88)	Total Depth (feet bgs)	Visible Impacts Observed		
							Depth Interval (feet bgs)	Elevation Interval (feet NAVD88)	Description
Remedial Investigation									
CGMW-06I	5/1/2003	Huntington Street ROW	631819.70	671214.80	10.54	72.00	NO LOGGING AT THIS LOCATION		
CGMW-06S	5/1/2003	Huntington Street ROW	631824.40	671213.10	10.54	22.00	NO LOGGING AT THIS LOCATION		
CGSB-26/CGMW-06D	5/1/2003	Huntington Street ROW	631830.11	671211.40	10.54	140.00	5.00 - 7.00	5.54 - 3.54	Black staining.
							7.00 - 17.00	3.54 - -6.46	Spotty sheen.
							27.00 - 32.50	-16.46 - -21.96	Heavily tar coated.
							32.50 - 34.50	-21.96 - -23.96	Tar coated.
							47.00 - 57.00	-36.46 - -46.46	Trace sheen.
							57.00 - 67.00	-46.46 - -56.46	Layers coated with tar.
							77.00 - 80.00	-66.46 - -69.46	Sheen.
							81.50 - 81.50	-70.96 - -70.96	Moderate tar coating.
CGSB-31	12/22/2004	Smith Street ROW	631569.80	671545.50	19.40	48.00	20.00 - 26.00	-0.60 - -6.60	Sheen.
CGSB-32/CGMW-17	1/28/2005	Smith Street ROW	631626.90	671710.80	22.51	138.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-33	1/4/2005	Smith Street ROW	631699.80	671924.20	28.65	48.00	22.50 - 28.00	6.15 - -8.60	Sheen.
							28.00 - 30.00	0.65 - -10.60	Sheen.
CGSB-39/CGMW-18	2/3/2005	Hoyt Street ROW	632393.30	671912.00	14.33	78.00	21.00 - 24.00	-6.67 - -4.60	Heavy sheen.
							35.00 - 38.00	-20.67 - -18.60	Slight sheen.
CGSB-42	12/7/2004	4th Street ROW	632462.70	671956.90	16.35	58.00	28.00 - 34.00	-11.65 - -14.60	Very slight sheen.
CGSB-43/CGMW-12	12/16/2004	4th Street ROW	632686.36	671816.80	9.39	108.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-44/CGMW-11	12/4/2004	Bond Street ROW	632889.65	671670.33	5.86	108.00	9.50 - 10.50	-3.64 - 8.90	Sheen.
							19.00 - 22.50	-13.14 - -3.10	Slight sheen.
							29.00 - 35.00	-23.14 - -15.60	Moderately coated with tar, traces of tar-saturated veins.
							35.00 - 38.00	-29.14 - -18.60	Tar stained, trace blebs and sheen.
							38.00 - 39.00	-32.14 - -19.60	Sheen and blebs in water.
							39.00 - 45.00	-33.14 - -25.60	Sheen and blebs.
							45.00 - 45.50	-39.14 - -26.10	Trace sheen, lenses of moderately tar-coated grains.
							45.50 - 48.00	-39.64 - -28.60	Trace sheen.
							48.00 - 58.00	-42.14 - -38.60	Lightly stained.
							58.00 - 60.00	-52.14 - -40.60	Tar coated, blebs.
							60.00 - 62.00	-54.14 - -42.60	Blebs.
							62.00 - 65.00	-56.14 - -45.60	Slight sheen.
							68.00 - 72.00	-62.14 - -52.60	Tar blebs on outside of core, trace sheen.

Table 1
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Location ID	Date Completed	Off-Site Property or General Location	Easting (feet NAD83)	Northing (feet NAD83)	Ground Surface Elevation (feet NAVD88)	Total Depth (feet bgs)	Visible Impacts Observed		
							Depth Interval (feet bgs)	Elevation Interval (feet NAVD88)	Description
Remedial Investigation (continued)									
CGSB-48/CGMW-16	1/24/2005	65 6th Street	632501.50	671286.90	6.64	164.00	20.00 - 21.00	-13.36 - -1.60	Sheen.
							21.00 - 22.00	-14.36 - -2.60	Tar coated with saturated lenses, sheen.
							22.00 - 22.50	-15.36 - -3.10	Tar saturated.
							22.50 - 25.00	-15.86 - -5.60	Tar coated with saturated lenses, sheen.
							25.50 - 26.00	-18.86 - -6.60	Thin tar lens.
							28.00 - 30.00	-21.36 - -10.60	Sheen.
							30.00 - 33.00	-23.36 - -13.60	Tar stained, blebs, sheen.
							33.00 - 34.50	-26.36 - -15.10	Heavily coated to saturated with tar.
							34.50 - 38.00	-27.86 - -18.60	Spotty sheen.
							38.00 - 41.00	-31.36 - -21.60	Spotty sheen.
							48.00 - 52.00	-41.36 - -32.60	Very spotty sheen.
CGSB-49/CGMW-19	2/7/2005	56 2nd Avenue	632365.50	670895.90	8.50	128.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-52/CGMW-22	3/30/2005	37 9th Street	631973.30	671002.20	6.05	108.00	4.00 - 5.00	2.05 - 14.40	Sheen, black stained.
							5.00 - 6.00	1.05 - 13.40	Sheen, black stained veins.
							6.00 - 8.00	0.05 - 11.40	Trace sheen, black stained.
							12.50 - 13.50	-6.45 - 5.90	Trace sheen, black stained.
							33.50 - 35.50	-27.45 - -16.10	Tar saturated.
							35.50 - 38.00	-29.45 - -18.60	Tar saturated veins, sheens.
							38.00 - 42.00	-31.95 - -22.60	Sheen.
Supplemental Remedial Investigation									
CGSB-53/CGMW-23	6/7/2006	Nelson Street ROW	631427.72	671647.69	24.44	36.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-54	6/8/2006	Luquer Street ROW	631458.94	671886.89	31.59	25.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-54B	6/20/2006	Luquer Street ROW	631327.62	671934.29	35.31	15.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-54/CGMW-24	10/14/2010	Luquer Street ROW	631493.73	671869.87	33.33	41.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-55	6/9/2006	4th Place ROW	631522.36	672154.31	39.53	16.50	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-55B	6/15/2006	4th Place ROW	631522.36	672154.31	39.53	20.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-55/CGMW-25	7/1/2010	4th Place ROW	631611.65	672157.11	43.09	34.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-56/CGMW-26	6/5/2006	Hoyt Street ROW	632429.38	672056.77	21.19	31.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-57/CGMW-27	6/21/2006	4th Street ROW	632584.24	671910.42	12.55	45.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-58	5/20/2006	Bond Street ROW	632970.08	671758.69	7.31	69.00	28.00 - 32.00	-20.69 - -24.69	Slight blebs.
							32.00 - 34.50	-24.69 - -27.19	Slight sheen.
							34.50 - 36.00	-27.19 - -28.69	Moderate tar sheen, 25% tar coated.
CGSB-59/CGMW-29	6/9/2006	7th Street ROW	632988.54	670748.59	8.93	45.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-60/CGMW-32	6/6/2006	9th Street ROW	632059.30	670721.93	5.24	49.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		

Table 1
Soil Investigation Summary
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Location ID	Date Completed	Off-Site Property or General Location	Easting (feet NAD83)	Northing (feet NAD83)	Ground Surface Elevation (feet NAVD88)	Total Depth (feet bgs)	Visible Impacts Observed		
							Depth Interval (feet bgs)	Elevation Interval (feet NAVD88)	Description
Supplemental Remedial Investigation (continued)									
CGSB-79	12/22/2009	98 4th Street	632684.60	671652.20	6.42	64.00	8.00 - 10.00	-1.58 - -3.58	Black stained.
							10.00 - 12.00	-3.58 - -5.58	Petroleum staining.
							12.00 - 14.00	-5.58 - -7.58	Black staining, blebs and globs.
							14.00 - 16.00	-7.58 - -9.58	Petroleum saturated, sheen.
							16.00 - 17.00	-9.58 - -10.58	Petroleum staining.
							29.80 - 30.00	-23.38 - -23.58	Tar staining and tar coated grains.
							30.00 - 32.00	-23.58 - -25.58	Tar coated grains.
							32.00 - 34.00	-25.58 - -27.58	Tar coated grains.
							34.00 - 36.00	-27.58 - -29.58	Tar coated grains in sand lens at base of sample
							36.00 - 38.00	-29.58 - -31.58	Tar coated/saturated grains.
							38.00 - 40.00	-31.58 - -33.58	Tar coated grains, sheen.
							40.00 - 42.00	-33.58 - -35.58	Slight sheen.
							42.00 - 44.00	-35.58 - -37.58	Tar coated lenses and staining.
							44.00 - 46.00	-37.58 - -39.58	Tar coated lenses and staining.
							46.00 - 48.00	-39.58 - -41.58	Tar coated grains, sheen.
CGSB-79B	12/22/2009	98 4th Street	632689.56	671652.19	6.42	16.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-95/CGMW-40	2/12/2010	2nd Avenue ROW	633098.00	670998.60	7.59	62.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-96	2/16/2010	2nd Avenue ROW	633239.90	671218.20	6.97	62.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-97	2/18/2010	3rd Street ROW	632974.70	671950.50	11.99	46.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-98	2/17/2010	3rd Street ROW	633314.40	671788.30	7.41	46.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-143	5/11/2013	140 3rd Street	633136.11	671618.76	2.06	50.00	3.80 - 5.00	-1.74 - -2.94	Black stained.
							12.00 - 13.90	-9.94 - -11.84	Sheen, tar staining.
							15.00 - 17.90	-12.94 - -15.84	Spots of sheen.
							30.00 - 32.00	-27.94 - -29.94	Spots of sheen.
							32.80 - 33.40	-30.74 - -31.34	Tar coated.
							33.40 - 34.40	-31.34 - -32.34	Blebs and pockets of coating.
							35.00 - 35.50	-32.94 - -33.44	Sheen, heavy staining.
							35.50 - 35.80	-33.44 - -33.74	Sheen.
							35.80 - 37.20	-33.74 - -35.14	Sheen.
							37.80 - 37.80	-35.74 - -35.74	Slight sheen.
							48.20 - 50.00	-46.14 - -47.94	Spots of sheen.
CGSB-145/CGMW-44	11/20/2012	9th Street ROW	631320.70	671128.55	14.86	80.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-146	11/7/2012	503 Smith Street	631409.74	670918.54	11.53	80.00	10.00 - 11.90	1.53 - -0.37	Black staining.

Table 1
Soil Investigation Summary
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Location ID	Date Completed	Off-Site Property or General Location	Easting (feet NAD83)	Northing (feet NAD83)	Ground Surface Elevation (feet NAVD88)	Total Depth (feet bgs)	Visible Impacts Observed		
							Depth Interval (feet bgs)	Elevation Interval (feet NAVD88)	Description
Supplemental Remedial Investigation (continued)									
CGSB-147	11/8/2012	527 Smith Street	631287.78	670636.92	7.80	80.00	5.00 - 8.60	6.53 - 2.93	Black tar staining.
							8.60 - 10.00	2.93 - 1.53	Black staining.
							25.70 - 25.80	-14.17 - -14.27	Tar band.
CGSB-150/CGMW-46	5/20/2013	Garnet Street ROW	631262.83	670880.89	11.28	35.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSB-151/CGMW-47	5/20/2013	Centre Street ROW	631191.63	670640.89	8.32	35.00	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
CGSS-23	12/17/2009	98 4th Street	632681.71	671656.02	9.50	0.50	NO LOGGING AT THIS LOCATION		
Barrier Wall Pilot Test Program									
CGTP-205	12/10/2012	98 4th Street	632740.62	671670.05	7.00	9.50	NO VISIBLE IMPACTS OBSERVED AT THIS LOCATION		
			632748.31	671670.08					
			632748.34	671662.40					
			632740.66	671662.37					

Notes:

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. bgs: below ground surface.
4. ROW: right-of-way.

Table 2
Monitoring Well Construction Summary
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Location ID	Date Completed	Easting (feet NAD83)	Northing (feet NAD83)	Measuring Point Elevation (feet NAVD88)	Ground Surface Elevation (feet NAVD88)	Casing Type	Screen Type	Nominal Diameter (inches)	Screen Slot Size (inches)	Screen Length (feet)	Screened Interval		Sump Length (feet)	Total Depth (feet bgs)
											Depth (feet bgs)	Elevation (feet NAVD88)		
Remedial Investigation														
CGMW-06S	NA	631824.40	671213.10	10.07	10.57	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	10.00 - 20.00	0.57 - -9.43	2.00	22.00
CGMW-06I	NA	631819.70	671214.80	10.31	10.67	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	60.00 - 70.00	-49.33 - -59.33	2.00	72.00
CGMW-06D	5/1/2003	631830.11	671211.40	9.94	10.54	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	120.00 - 130.00	-109.46 - -119.46	2.00	132.00
CGMW-11	12/14/2004	632889.65	671670.33	5.48	5.86	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	58.58 - 68.58	-52.72 - -62.72	2.00	70.58
CGMW-12	12/16/2004	632686.36	671816.80	9.09	9.39	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	8.08 - 18.08	1.31 - -8.69	2.00	20.08
CGMW-16 CH1	1/24/2005	632501.52	671286.89	6.64	7.22	PE CMT	SS Mesh	0.44	NA	0.25	12.01 - 12.26	-4.79 - -5.04	0.00	12.26
CGMW-16 CH2	1/24/2005	632501.52	671286.89	6.64	7.22	PE CMT	SS Mesh	0.44	NA	0.25	18.01 - 18.26	-10.79 - -11.04	0.00	18.26
CGMW-16 CH3	1/24/2005	632501.52	671286.89	6.64	7.22	PE CMT	SS Mesh	0.44	NA	0.25	29.05 - 29.30	-21.83 - -22.08	0.00	29.30
CGMW-16 CH4	1/24/2005	632501.52	671286.89	6.64	7.22	PE CMT	SS Mesh	0.44	NA	0.25	48.13 - 48.38	-40.91 - -41.16	0.00	48.38
CGMW-16 CH5	1/24/2005	632501.52	671286.89	6.64	7.22	PE CMT	SS Mesh	0.44	NA	0.25	68.90 - 69.15	-61.68 - -61.93	0.00	69.15
CGMW-16 CH6	1/24/2005	632501.52	671286.89	6.64	7.22	PE CMT	SS Mesh	0.44	NA	0.25	122.13 - 122.38	-114.91 - -115.16	0.00	122.38
CGMW-16 CH7	1/24/2005	632501.52	671286.89	6.64	7.22	PE CMT	SS Mesh	0.38	NA	0.25	140.03 - 140.28	-132.81 - -133.06	0.00	140.28
CGMW-17 CH1	1/28/2005	631626.90	671710.78	22.11	22.51	PE CMT	SS Mesh	0.44	NA	0.25	16.74 - 16.99	5.77 - 5.52	0.00	16.99
CGMW-17 CH2	1/28/2005	631626.90	671710.78	22.11	22.51	PE CMT	SS Mesh	0.44	NA	0.25	27.15 - 27.40	-4.64 - -4.89	0.00	27.40
CGMW-17 CH3	1/28/2005	631626.90	671710.78	22.11	22.51	PE CMT	SS Mesh	0.44	NA	0.25	34.23 - 34.48	-11.72 - -11.97	0.00	34.48
CGMW-17 CH4	1/28/2005	631626.90	671710.78	22.11	22.51	PE CMT	SS Mesh	0.44	NA	0.25	74.35 - 74.60	-51.84 - -52.09	0.00	74.60
CGMW-17 CH5	1/28/2005	631626.90	671710.78	22.11	22.51	PE CMT	SS Mesh	0.44	NA	0.25	84.15 - 84.40	-61.64 - -61.89	0.00	84.40
CGMW-17 CH6	1/28/2005	631626.90	671710.78	22.11	22.51	PE CMT	SS Mesh	0.44	NA	0.25	124.35 - 124.60	-101.84 - -102.09	0.00	124.60
CGMW-17 CH7	1/28/2005	631626.90	671710.78	22.11	22.51	PE CMT	SS Mesh	0.38	NA	0.25	137.35 - 137.60	-114.84 - -115.09	0.00	137.60
CGMW-18 CH1	2/3/2005	632393.33	671911.98	14.07	14.33	PE CMT	SS Mesh	0.44	NA	0.25	13.10 - 13.35	1.23 - 0.98	0.00	13.35
CGMW-18 CH2	2/3/2005	632393.33	671911.98	14.07	14.33	PE CMT	SS Mesh	0.44	NA	0.25	22.10 - 22.35	-7.77 - -8.02	0.00	22.35
CGMW-18 CH3	2/3/2005	632393.33	671911.98	14.07	14.33	PE CMT	SS Mesh	0.44	NA	0.25	30.11 - 30.36	-15.78 - -16.03	0.00	30.36
CGMW-18 CH4	2/3/2005	632393.33	671911.98	14.07	14.33	PE CMT	SS Mesh	0.44	NA	0.25	13.10 - 13.35	1.23 - 0.98	0.00	13.35
CGMW-18 CH5	2/3/2005	632393.33	671911.98	14.07	14.33	PE CMT	SS Mesh	0.44	NA	0.25	55.11 - 55.36	-40.78 - -41.03	0.00	55.36
CGMW-18 CH6	2/3/2005	632393.33	671911.98	14.07	14.33	PE CMT	SS Mesh	0.44	NA	0.25	70.26 - 70.51	-55.93 - -56.18	0.00	70.51
CGMW-18 CH7	2/3/2005	632393.33	671911.98	14.07	14.33	PE CMT	SS Mesh	0.38	NA	0.25	77.11 - 77.36	-62.78 - -63.03	0.00	77.36
CGMW-19 CH1	2/7/2005	632365.50	670895.90	8.25	8.50	PE CMT	SS Mesh	0.44	NA	0.25	10.60 - 10.85	-2.10 - -2.35	0.00	10.85
CGMW-19 CH2	2/7/2005	632365.50	670895.90	8.25	8.50	PE CMT	SS Mesh	0.44	NA	0.25	23.59 - 23.84	-15.09 - -15.34	0.00	23.84
CGMW-19 CH3	2/7/2005	632365.50	670895.90	8.25	8.50	PE CMT	SS Mesh	0.44	NA	0.25	30.65 - 30.90	-22.15 - -22.40	0.00	30.90
CGMW-19 CH4	2/7/2005	632365.50	670895.90	8.25	8.50	PE CMT	SS Mesh	0.44	NA	0.25	74.60 - 74.85	-66.10 - -66.35	0.00	74.85
CGMW-19 CH5	2/7/2005	632365.50	670895.90	8.25	8.50	PE CMT	SS Mesh	0.44	NA	0.25	84.60 - 84.85	-76.10 - -76.35	0.00	84.85
CGMW-19 CH6	2/7/2005	632365.50	670895.90	8.25	8.50	PE CMT	SS Mesh	0.44	NA	0.25	115.60 - 115.85	-107.10 - -107.35	0.00	115.85
CGMW-19 CH7	2/7/2005	632365.50	670895.90	8.25	8.50	PE CMT	SS Mesh	0.38	NA	0.25	116.60 - 116.85	-108.10 - -108.35	0.00	116.85

Table 2
Monitoring Well Construction Summary
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Location ID	Date Completed	Easting (feet NAD83)	Northing (feet NAD83)	Measuring Point Elevation (feet NAVD88)	Ground Surface Elevation (feet NAVD88)	Casing Type	Screen Type	Nominal Diameter (inches)	Screen Slot Size (inches)	Screen Length (feet)	Screened Interval		Sump Length (feet)	Total Depth (feet bgs)
											Depth (feet bgs)	Elevation (feet NAVD88)		
Remedial Investigation (continued)														
CGMW-22 CH1	3/30/2005	631973.28	671002.23	5.57	6.05	PE CMT	SS Mesh	0.44	NA	0.25	11.73 - 11.98	-5.68 - -5.93	0.00	11.98
CGMW-22 CH2	3/30/2005	631973.28	671002.23	5.57	6.05	PE CMT	SS Mesh	0.44	NA	0.25	27.80 - 28.05	-21.75 - -22.00	0.00	28.05
CGMW-22 CH3	3/30/2005	631973.28	671002.23	5.57	6.05	PE CMT	SS Mesh	0.44	NA	0.25	39.78 - 40.03	-33.73 - -33.98	0.00	40.03
CGMW-22 CH4	3/30/2005	631973.28	671002.23	5.57	6.05	PE CMT	SS Mesh	0.44	NA	0.25	51.89 - 52.14	-45.84 - -46.09	0.00	52.14
CGMW-22 CH5	3/30/2005	631973.28	671002.23	5.57	6.05	PE CMT	SS Mesh	0.44	NA	0.25	63.90 - 64.15	-57.85 - -58.10	0.00	64.15
CGMW-22 CH6	3/30/2005	631973.28	671002.23	5.57	6.05	PE CMT	SS Mesh	0.44	NA	0.25	81.83 - 82.08	-75.78 - -76.03	0.00	82.08
CGMW-22 CH7	3/30/2005	631973.28	671002.23	5.57	6.05	PE CMT	SS Mesh	0.38	NA	0.25	96.83 - 97.08	-90.78 - -91.03	0.00	97.08
Supplemental Remedial Investigation														
CGMW-23	6/7/2006	631427.72	671647.69	24.12	24.44	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	17.00 - 27.00	7.44 - -2.56	0.00	27.00
CGMW-24	10/14/2010	631493.70	671869.90	33.12	33.33	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	18.00 - 28.00	15.33 - 5.33	0.00	28.00
CGMW-25	7/1/2010	631611.70	672157.10	42.74	43.09	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	22.00 - 32.00	21.09 - 11.09	0.00	32.00
CGMW-26	6/5/2006	632429.38	672056.77	20.97	21.19	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	15.00 - 25.00	6.19 - -3.81	0.00	25.00
CGMW-27	6/21/2006	632584.25	671910.42	12.32	12.55	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	3.00 - 13.00	9.55 - -0.45	0.00	13.00
CGMW-29	6/9/2006	632988.54	670748.59	8.53	8.93	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	3.00 - 13.00	5.93 - -4.07	0.00	13.00
CGMW-32	6/6/2006	632059.30	670721.93	4.97	5.24	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	2.00 - 12.00	3.24 - -6.76	0.00	12.00
CGMW-40	2/12/2010	633098.00	670998.60	7.59	7.89	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	10.00 - 20.00	-2.11 - -12.11	0.00	20.00
CGMW-44	11/20/2012	631320.70	671128.55	NA	14.86	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	10.00 - 20.00	4.86 - -5.14	2.00	22.00
CGMW-46	5/20/2013	631262.83	670880.89	10.99	11.28	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	9.00 - 19.00	2.28 - -7.72	0.00	19.00
CGMW-47	5/20/2013	631191.63	670640.89	7.88	8.32	Sch. 40 PVC	Sch. 40 PVC	2.0	0.010	10.00	8.00 - 18.00	0.32 - -9.68	0.00	18.00

Notes:

1. Well construction details for monitoring wells CGMW-06S, CGMS-06I, CGMW-06D, CGMW-11, CGMW-12, CGMW-16 through CGMW-19, and CGMW-22 are based on information presented in Section 2.2.2.3 and Table 3 of the *Final Remedial Investigation Report* (GEI 2005).
2. Horizontal reference datum is the North American Datum of 1983 (NAD83), New York State Plane East Zone.
3. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
4. bgs: below ground surface.
5. CMT: continuous multichannel tubing.
6. NA: not available.
7. PE: polyethylene.
8. PVC: polyvinyl chloride.
9. Sch.: Schedule.
10. SS: stainless steel.

Table 3
Summary of Measured Groundwater Depths and Elevations
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Location ID	Measuring Point Elevation (feet NAVD88)	Remedial Investigation														Supplemental Remedial Investigation							
		June 5, 2003				July 10, 2003		April 4, 2005				April 11, 2005				January 9, 2008		March 5, 2008		March 6, 2008			
		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)		Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)	Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)	Groundwater Depth (feet bmp)		Groundwater Elevation (feet NAVD88)	
		High Tide	Low Tide	High Tide	Low Tide	Low Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	Low Tide	Low Tide	Low Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide
CGMW-06S	10.07	6.39	6.40	3.68	3.67	6.65	3.42	6.76	8.81	3.31	1.26	6.34	6.28	3.73	3.79	8.69	1.38	NM	NM	NM	NM	NM	NM
CGMW-06I	10.31	9.73	10.20	0.58	0.11	9.61	0.70	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-06D	9.94	9.65	9.85	0.29	0.09	9.25	0.69	8.25	8.52	1.69	1.42	8.07	8.34	1.87	1.60	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-11	5.48	NM	NM	NM	NM	NM	NM	2.89	3.60	2.59	1.88	2.91	3.52	2.57	1.96	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-12	9.09	NM	NM	NM	NM	NM	NM	5.47	5.70	3.62	3.39	5.42	5.45	3.67	3.64	5.66	3.43	5.53	3.56	6.89	5.99	2.20	3.10
CGMW-16 CH1	6.64	NM	NM	NM	NM	NM	NM	3.52	3.51	3.12	3.13	3.72	3.64	2.92	3.00	NM	NM	NM	NM	4.79	4.47	1.85	2.17
CGMW-16 CH2	6.64	NM	NM	NM	NM	NM	NM	5.32	4.66	1.32	1.98	5.49	5.30	1.15	1.34	NM	NM	NM	NM	4.43	4.44	2.21	2.20
CGMW-16 CH3	6.64	NM	NM	NM	NM	NM	NM	4.22	5.42	2.42	1.22	4.31	5.45	2.33	1.19	NM	NM	NM	NM	3.67	3.85	2.97	2.79
CGMW-16 CH4	6.64	NM	NM	NM	NM	NM	NM	3.78	4.91	2.86	1.73	3.91	5.12	2.73	1.52	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH5	6.64	NM	NM	NM	NM	NM	NM	6.45	3.51	0.19	3.13	4.92	4.42	1.72	2.22	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH6	6.64	NM	NM	NM	NM	NM	NM	2.31	2.43	4.33	4.21	2.29	2.13	4.35	4.51	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH7	6.64	NM	NM	NM	NM	NM	NM	3.76	3.90	2.88	2.74	3.50	3.50	3.14	3.14	NM	NM	NM	NM	3.16	3.45	3.48	3.19
CGMW-17 CH1	22.11	NM	NM	NM	NM	NM	NM	14.95	15.06	7.16	7.05	14.65	14.60	7.46	7.51	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH2	22.11	NM	NM	NM	NM	NM	NM	14.99	15.13	7.12	6.98	14.72	14.62	7.39	7.49	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH3	22.11	NM	NM	NM	NM	NM	NM	19.80	19.99	2.31	2.12	20.03	20.07	2.08	2.04	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH4	22.11	NM	NM	NM	NM	NM	NM	20.00	19.93	2.11	2.18	19.86	19.82	2.25	2.29	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH5	22.11	NM	NM	NM	NM	NM	NM	19.79	19.86	2.32	2.25	19.69	19.69	2.42	2.42	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH6	22.11	NM	NM	NM	NM	NM	NM	19.89	20.01	2.22	2.10	19.81	19.79	2.30	2.32	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH7	22.11	NM	NM	NM	NM	NM	NM	19.29	19.30	2.82	2.81	19.82	11.17	2.29	10.94	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-18 CH1	14.07	NM	NM	NM	NM	NM	NM	8.93	8.95	5.14	5.12	8.79	8.74	5.28	5.33	NM	NM	9.33	4.74	9.51	9.46	4.56	4.61
CGMW-18 CH2	14.07	NM	NM	NM	NM	NM	NM	11.62	11.73	2.45	2.34	11.50	11.53	2.57	2.54	NM	NM	11.50	2.57	11.52	11.73	2.55	2.34
CGMW-18 CH3	14.07	NM	NM	NM	NM	NM	NM	11.64	12.11	2.43	1.96	11.69	11.84	2.38	2.23	NM	NM	11.57	2.50	11.50	11.82	2.57	2.25
CGMW-18 CH4	14.07	NM	NM	NM	NM	NM	NM	8.91	8.93	5.16	5.14	8.82	8.75	5.25	5.32	NM	NM	9.36	4.71	9.53	9.47	4.54	4.60
CGMW-18 CH5	14.07	NM	NM	NM	NM	NM	NM	11.29	11.40	2.78	2.67	11.42	11.32	2.65	2.75	NM	NM	11.14	2.93	11.16	11.20	2.91	2.87
CGMW-18 CH6	14.07	NM	NM	NM	NM	NM	NM	11.34	11.37	2.73	2.70	11.23	11.35	2.84	2.72	NM	NM	11.15	2.92	11.11	11.22	2.96	2.85
CGMW-18 CH7	14.07	NM	NM	NM	NM	NM	NM	11.29	11.42	2.78	2.65	11.22	11.27	2.85	2.80	NM	NM	11.05	3.02	11.12	11.17	2.95	2.90
CGMW-19 CH1	8.25	NM	NM	NM	NM	NM	NM	6.26	6.78	1.99	1.47	6.34	6.62	1.91	1.63	NM	NM	6.82	1.43	NM	NM	NM	NM
CGMW-19 CH2	8.25	NM	NM	NM	NM	NM	NM	6.02	7.12	2.23	1.13	6.09	7.15	2.16	1.10	NM	NM	6.75	1.50	NM	7.48	NM	0.77
CGMW-19 CH3	8.25	NM	NM	NM	NM	NM	NM	5.84	6.37	2.41	1.88	6.06	6.34	2.19	1.91	NM	NM	5.38	2.87	NM	6.47	NM	1.78
CGMW-19 CH4	8.25	NM	NM	NM	NM	NM	NM	5.59	5.61	2.66	2.64	5.69	5.68	2.56	2.57	NM	NM	5.56	2.69	NM	5.55	NM	2.70
CGMW-19 CH5	8.25	NM	NM	NM	NM	NM	NM	5.45	5.43	2.80	2.82	5.59	5.58	2.66	2.67	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-19 CH6	8.25	NM	NM	NM	NM	NM	NM	4.88	4.87	3.37	3.38	5.01	5.04	3.24	3.21	NM	NM	4.84	3.41	NM	5.04	NM	3.21
CGMW-19 CH7	8.25	NM	NM	NM	NM	NM	NM	4.66	4.59	3.59	3.66	4.88	4.65	3.37	3.60	NM	NM	5.03	3.22	NM	5.14	NM	3.11
CGMW-22 CH1	5.57	NM	NM	NM	NM	NM	NM	4.19	4.94	1.38	0.63	4.00	5.07	1.57	0.50	NM	NM	5.11	0.46	4.10	5.32	1.47	0.25
CGMW-22 CH2	5.57	NM	NM	NM	NM	NM	NM	3.92	4.10	1.65	1.47	4.08	4.28	1.49	1.29	NM	NM	3.87	1.70	4.20	4.45	1.37	1.12
CGMW-22 CH3	5.57	NM	NM	NM	NM	NM	NM	3.36	4.37	2.21	1.20	3.27	4.37	2.30	1.20	NM	NM	4.09	1.48	4.16	4.59	1.41	0.98
CGMW-22 CH4	5.57	NM	NM	NM	NM	NM	NM	3.51	4.12	2.06	1.45	3.39	4.10	2.18	1.47	NM	NM	4.05	1.52	3.49	4.26	2.08	1.31
CGMW-22 CH5	5.57	NM	NM	NM	NM	NM	NM	3.46	3.99	2.11	1.58	3.39	4.06	2.18	1.51	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-22 CH6	5.57	NM	NM	NM	NM	NM	NM	3.54	3.95	2.03	1.62	3.47	3.89	2.10	1.68	NM	NM	4.35	1.22	3.31	3.81	2.26	1.76
CGMW-22 CH7	5.57	NM	NM	NM	NM	NM	NM	3.62	4.23	1.95	1.34	2.69	3.93	2.88	1.64	NM	NM	4.80	0.77	3.51	4.04	2.06	1.53
CGMW-23	24.12	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	18.86	NM	5.26
CGMW-24	33.12	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-25	42.74	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-26	20.97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	18.11	2.86	18.14	18.20	2.83	2.77
CGMW-27	12.32	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.76	4.56	7.89	7.90	4.43	4.42
CGMW-29	8.53	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.46	2.07	6.62	6.63	1.91	1.90
CGMW-32	4.97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1.73	3.24	1.90	3.07	1.62	1.64	3.35	3.33
CGMW-40	7.59	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-44	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-46	10.99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-47	7.88	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 3
Summary of Measured Groundwater Depths and Elevations
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Location ID	Measuring Point Elevation (feet NAVD88)	Supplemental Remedial Investigation															
		March 7, 2008		April 28, 2010				July 26, 2010		August 23, 2010		September 29, 2010		October 22, 2010		November 22, 2010	
		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)	Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)	Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)	Groundwater Depth (feet bmp)	Groundwater Elevation (feet NAVD88)
		High Tide	High Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	High Tide	Low Tide	Low Tide	High Tide	High Tide	Low Tide	Low Tide	Low Tide	Low Tide
CGMW-06S	10.07	NM	NM	NM	NM	NM	NM	NM	NM	6.29	3.78	NM	NM	7.06	3.01	NM	NM
CGMW-06I	10.31	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-06D	9.94	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-11	5.48	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-12	9.09	5.85	3.24	5.54	5.56	3.55	3.53	6.65	2.44	8.12	0.97	8.17	0.92	7.94	1.15	NM	NM
CGMW-16 CH1	6.64	4.78	1.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH2	6.64	4.53	2.11	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH3	6.64	4.34	2.30	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH4	6.64	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH5	6.64	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH6	6.64	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-16 CH7	6.64	3.14	3.50	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-17 CH1	22.11	NM	NM	13.50	13.50	8.61	8.61	NM	NM	NM	NM	6.01	16.10	15.67	6.44	NM	NM
CGMW-17 CH2	22.11	NM	NM	13.64	13.65	8.47	8.46	NM	NM	NM	NM	16.15	5.96	15.74	6.37	NM	NM
CGMW-17 CH3	22.11	NM	NM	18.96	19.10	3.15	3.01	NM	NM	NM	NM	19.70	2.41	19.73	2.38	NM	NM
CGMW-17 CH4	22.11	NM	NM	18.84	18.88	3.27	3.23	NM	NM	NM	NM	19.55	2.56	19.50	2.61	NM	NM
CGMW-17 CH5	22.11	NM	NM	18.95	18.45	3.16	3.66	NM	NM	NM	NM	19.54	2.57	19.51	2.60	NM	NM
CGMW-17 CH6	22.11	NM	NM	18.97	18.51	3.14	3.60	NM	NM	NM	NM	19.66	2.45	19.55	2.56	NM	NM
CGMW-17 CH7	22.11	NM	NM	18.45	18.45	3.66	3.66	NM	NM	18.85	3.26	18.92	3.19	18.96	3.15	NM	NM
CGMW-18 CH1	14.07	9.45	4.62	9.28	9.22	4.79	4.85	10.20	3.87	8.62	5.45	9.15	4.92	8.92	5.15	NM	NM
CGMW-18 CH2	14.07	11.43	2.64	10.79	10.88	3.28	3.19	11.25	2.82	11.11	2.96	11.19	2.88	11.46	2.61	NM	NM
CGMW-18 CH3	14.07	11.40	2.67	10.69	11.02	3.38	3.05	11.10	2.97	11.18	2.89	11.23	2.84	11.56	2.51	NM	NM
CGMW-18 CH4	14.07	9.44	4.63	9.10	9.23	4.97	4.84	9.27	4.80	8.61	5.46	9.62	4.45	8.70	5.37	NM	NM
CGMW-18 CH5	14.07	11.07	3.00	10.30	10.42	3.77	3.65	10.82	3.25	10.85	3.22	11.00	3.07	11.04	3.03	NM	NM
CGMW-18 CH6	14.07	11.08	2.99	10.31	10.45	3.76	3.62	10.91	3.16	10.87	3.20	10.98	3.09	11.10	2.97	NM	NM
CGMW-18 CH7	14.07	11.07	3.00	10.29	10.41	3.78	3.66	NM	NM	10.94	3.13	11.08	2.99	NM	NM	NM	NM
CGMW-19 CH1	8.25	5.81	2.44	NM	NM	NM	NM	NM	NM	6.40	1.85	6.86	1.39	6.80	1.45	NM	NM
CGMW-19 CH2	8.25	6.01	2.24	NM	NM	NM	NM	6.27	1.98	6.14	2.11	5.79	2.46	7.03	1.22	NM	NM
CGMW-19 CH3	8.25	5.76	2.49	NM	NM	NM	NM	5.64	2.61	5.84	2.41	5.74	2.51	6.37	1.88	NM	NM
CGMW-19 CH4	8.25	5.55	2.70	NM	NM	NM	NM	NM	NM	5.63	2.62	5.71	2.54	5.68	2.57	NM	NM
CGMW-19 CH5	8.25	NM	NM	NM	NM	NM	NM	NM	NM	3.84	4.41	2.85	5.40	4.92	3.33	NM	NM
CGMW-19 CH6	8.25	5.03	3.22	NM	NM	NM	NM	NM	NM	4.88	3.37	4.96	3.29	4.90	3.35	NM	NM
CGMW-19 CH7	8.25	4.90	3.35	NM	NM	NM	NM	NM	NM	4.85	3.40	4.87	3.38	5.18	3.07	NM	NM
CGMW-22 CH1	5.57	3.87	1.70	4.08	5.15	1.49	0.42	4.22	1.35	4.52	1.05	4.21	1.36	5.31	0.26	NM	NM
CGMW-22 CH2	5.57	4.22	1.35	3.28	3.57	2.29	2.00	3.73	1.84	3.71	1.86	3.60	1.97	4.08	1.49	NM	NM
CGMW-22 CH3	5.57	3.23	2.34	2.95	3.98	2.62	1.59	3.20	2.37	3.65	1.92	3.17	2.40	4.38	1.19	NM	NM
CGMW-22 CH4	5.57	3.36	2.21	2.95	3.58	2.62	1.99	3.28	2.29	3.48	2.09	3.30	2.27	4.07	1.50	NM	NM
CGMW-22 CH5	5.57	NM	NM	2.96	3.07	2.61	2.50	3.03	2.54	3.16	2.41	2.30	3.27	4.36	1.21	NM	NM
CGMW-22 CH6	5.57	3.24	2.33	2.70	3.10	2.87	2.47	3.13	2.44	3.26	2.31	3.13	2.44	3.68	1.89	NM	NM
CGMW-22 CH7	5.57	3.44	2.13	9.90	3.28	-4.33	2.29	NM	NM	3.42	2.15	3.42	2.15	3.87	1.70	NM	NM
CGMW-23	24.12	18.62	5.50	17.26	17.22	6.86	6.90	17.07	7.05	18.91	5.21	19.25	4.87	18.92	5.20	NM	NM
CGMW-24	33.12	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-25	42.74	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-26	20.97	18.12	2.85	17.27	17.35	3.70	3.62	15.50	5.47	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-27	12.32	7.86	4.46	7.48	7.51	4.84	4.81	3.35	8.97	7.60	4.72	8.16	4.16	3.45	8.87	8.00	4.32
CGMW-29	8.53	7.65	0.88	6.16	6.19	2.37	2.34	6.08	2.45	5.57	2.96	2.41	6.12	4.94	3.59	NM	NM
CGMW-32	4.97	1.63	3.34	1.38	1.35	3.59	3.62	1.60	3.37	1.12	3.85	2.24	2.73	1.58	3.39	NM	NM
CGMW-40	7.59	NM	NM	NM	NM	NM	NM	6.93	0.66	6.30	1.29	6.40	1.19	6.90	0.69	NM	NM
CGMW-44	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-46	10.99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CGMW-47	7.88	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Notes:

1. Groundwater depths and elevations summarized in this table for June 5, 2003, July 10, 2003, April 4, 2005, and April 11, 2005 are were originally presented in Table 5 of the *Final Remedial Investigation Report* (GEI 2005).
2. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
3. bmp: below measuring point.
4. NM: not measured.

Table 4
DNAPL Recovery Summary for Monitoring Well CGMW-06I
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:	**Remedial Investigation**
Location ID:	**CGMW-06I**
Screened Interval (feet bgs):	**60.00 to 70.00**
Screened Interval (feet NAVD88):	**-49.33 to -59.33**
Initial DNAPL Thickness (feet):	12.34
DNAPL Thickness After Pumping (feet):	0.00
Initial Recovery Time (days):	3
Initial Recovery Rate (inches/day):	42.20
Total Recovery Time (days):	11
Total Recovery Rate (inches/day):	13.44

Date	DNAPL Thickness (feet)
11/5/2004	0.00
11/8/2004	10.55
11/9/2004	11.00
11/10/2004	11.10
11/12/2004	11.99
11/15/2004	11.24
11/16/2004	12.32

Notes:

1. Dense non-aqueous phase liquid (DNAPL) recovery data summarized in this table for monitoring well CGMW-06I were originally presented in Table 7 of the *Final Remedial Investigation Report* (GEI 2005).
2. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
3. bgs: below ground surface.

Table 5
Summary of Surface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation
Location ID:		CGSS-23
Sample ID:		CGSS-23 (0-0.5)
Sample Interval (feet bgs):		0.00 to 0.50
Sample Interval (feet NAVD88):	Soil Cleanup	9.50 to 9.00
Parameter / Sample Date:	Objective[3]	12/17/2009
Volatile Organic Compounds		
Acetone	0.05	0.023 U
Benzene	0.06	0.0057 U
Bromodichloromethane	--	0.0057 U
Bromoform	--	0.0057 U
Bromomethane	--	0.0057 U
Butanone, 2-	0.12	0.011 UJ
Carbon disulfide	--	0.0057 UJ
Carbon tetrachloride	0.76	0.0057 U
Chlorobenzene	1.1	0.0057 UJ
Chloroethane	--	0.0057 U
Chloroform	0.37	0.0057 U
Chloromethane	--	0.0057 U
Dibromochloromethane	--	0.0057 U
Dichloroethane, 1,1-	0.27	0.0057 U
Dichloroethane, 1,2-	0.02	0.0057 U
Dichloroethene, 1,1-	0.33	0.0057 UJ
Dichloroethene, cis-1,2-	0.25	0.0057 UJ
Dichloroethene, trans-1,2-	0.19	0.0057 U
Dichloropropane, 1,2-	--	0.0057 U
Dichloropropene, cis-1,3-	--	0.0057 U
Dichloropropene, trans-1,3-	--	0.0057 U
Ethylbenzene	1	0.0057 U
Hexanone, 2-	--	0.011 UJ
Methyl-2-pentanone, 4-	--	0.0057 U
Methylene chloride	0.05	0.023 U
Styrene	--	0.0057 U
Tetrachloroethane, 1,1,2,2-	--	0.0057 U
Tetrachloroethene	1.3	0.0057 U
Toluene	0.7	0.0057 U
Trichloroethane, 1,1,1-	0.68	0.0057 U
Trichloroethane, 1,1,2-	--	0.0057 U
Trichloroethene	0.47	0.0057 UJ
Vinyl chloride	0.02	0.0057 U
Xylenes, Total	1.6	0.0057 U
Semivolatile Organic Compounds		
Acenaphthene	98	**0.26 J**
Acenaphthylene	100	**0.091 J**
Anthracene	100	**1**
Benzo(a)anthracene	1	**3 J**
Benzo(a)pyrene	1	**2.8**
Benzo(b)fluoranthene	1	**3.3**

Table 5
Summary of Surface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation
Location ID:		CGSS-23
Sample ID:		CGSS-23 (0-0.5)
Sample Interval (feet bgs):		0.00 to 0.50
Sample Interval (feet NAVD88):	Soil Cleanup	9.50 to 9.00
Parameter / Sample Date:	Objective[3]	12/17/2009
Semivolatile Organic Compounds (continued)		
Benzo(g,h,i)perylene	100	**2.8 J**
Benzo(k)fluoranthene	1.7	**1.3**
Benzyl alcohol	--	0.61 U
Bis(2-chloroethoxy)methane	--	0.61 U
Bis(2-chloroethyl)ether	--	0.61 U
Bis(2-ethylhexyl)phthalate	--	0.61 UJ
Bromophenyl phenyl ether, 4-	--	0.61 U
Butyl benzyl phthalate	--	0.61 UJ
Carbazole	--	**0.42 J**
Chloro-3-methylphenol, 4-	--	0.61 U
Chloroaniline, 4-	--	0.61 U
Chloronaphthalene, 2-	--	0.61 U
Chlorophenol, 2-	--	0.61 U
Chlorophenyl phenyl ether, 4-	--	0.61 U
Chrysene	1	**3.1 J**
Dibenzo(a,h)anthracene	0.33	**0.68 J**
Dibenzofuran	59	**0.27 J**
Dichlorobenzene, 1,2-	1.1	0.61 U
Dichlorobenzene, 1,3-	2.4	0.61 U
Dichlorobenzene, 1,4-	1.8	0.61 U
Dichlorobenzidine, 3,3-	--	0.75 UJ
Dichlorophenol, 2,4-	--	0.61 U
Diethyl phthalate	--	0.61 U
Dimethylphenol, 2,4-	--	0.61 U
Dimethyl phthalate	--	0.61 U
Di-n-butyl phthalate	--	0.61 U
Di-n-octyl phthalate	--	R
Dinitro-2-methylphenol, 4,6-	--	3.9 U
Dinitrophenol, 2,4-	--	0.61 U
Dinitrotoluene, 2,4-	--	0.61 U
Dinitrotoluene, 2,6-	--	0.61 U
Fluoranthene	100	**4 J**
Fluorene	100	**0.42 J**
Hexachlorobenzene	1.2	0.61 U
Hexachlorobutadiene	--	0.61 U
Hexachlorocyclopentadiene	--	R
Hexachloroethane	--	0.61 UJ
Indeno(1,2,3-cd)pyrene	0.5	**2.9 J**
Isophorone	--	0.61 U
Methylnaphthalene, 2-	--	**0.13 J**
Methylphenol, 2-	0.33	0.61 U

Table 5
Summary of Surface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation
Location ID:		CGSS-23
Sample ID:		CGSS-23 (0-0.5)
Sample Interval (feet bgs):		0.00 to 0.50
Sample Interval (feet NAVD88):	Soil Cleanup	9.50 to 9.00
Parameter / Sample Date:	Objective[3]	12/17/2009
Semivolatile Organic Compounds (continued)		
Methylphenol, 4-	0.33	0.61 U
Naphthalene	12	**0.21 J**
Nitroaniline, 2-	--	1.5 U
Nitroaniline, 3-	--	1.5 U
Nitroaniline, 4-	--	0.61 U
Nitrobenzene	--	0.61 U
Nitrophenol, 2-	--	0.61 U
Nitrophenol, 4-	--	3.9 U
N-Nitrosodi-n-propylamine	--	0.61 U
N-Nitrosodiphenylamine	--	0.61 U
Oxybis(1-chloropropane), 2,2'-	--	0.61 U
Pentachlorophenol	0.8	1.5 UJ
Phenanthrene	100	**4.4**
Phenol	0.33	0.61 U
Pyrene	100	**8.6 J**
Trichlorobenzene, 1,2,4-	--	0.61 U
Trichlorophenol, 2,4,5-	--	3.9 U
Trichlorophenol, 2,4,6-	--	0.61 U
Polychlorinated Biphenyls		
Aroclor 1016	1	0.019 U
Aroclor 1221	1	0.019 U
Aroclor 1232	1	0.019 U
Aroclor 1242	1	0.019 U
Aroclor 1248	1	0.019 U
Aroclor 1254	1	0.019 U
Aroclor 1260	1	**0.0083 J**
Pesticides		
Aldrin	0.097	0.0019 UJ
BHC, alpha-	0.02	0.0019 U
BHC, beta-	0.09	0.0019 UJ
BHC, delta-	0.25	**0.0044 J**
BHC, gamma-	--	0.0019 U
Chlordane, alpha-	2.9	0.0019 U
Chlordane, gamma-	--	0.0019 U
DDD, 4,4'-	13	**0.0094 JN**
DDE, 4,4'-	8.9	0.0037 U
DDT, 4,4'-	7.9	**0.018 J**
Dieldrin	0.1	0.0037 U
Endosulfan, alpha-	24	0.0019 U
Endosulfan, beta-	24	0.0037 U
Endosulfan sulphate	24	0.0037 UJ

Table 5
Summary of Surface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Parameter	Soil Cleanup Objective[3]	Supplemental Remedial Investigation
Investigation:		Supplemental Remedial Investigation
Location ID:		CGSS-23
Sample ID:		CGSS-23 (0-0.5)
Sample Interval (feet bgs):		0.00 to 0.50
Sample Interval (feet NAVD88):		9.50 to 9.00
Sample Date:		12/17/2009
Pesticides (continued)		
Endrin	0.06	0.0037 U
Endrin aldehyde	--	**0.0052 J**
Endrin ketone	--	0.0037 UJ
Heptachlor	0.38	0.0019 UJ
Heptachlor epoxide	--	0.0019 UJ
Methoxychlor	--	0.019 UJ
Toxaphene	--	0.092 U
Herbicides		
D, 2,4-	--	0.019 U
T, 2,4,5-	--	0.019 U
TP, 2,4,5-	3.8	0.019 UJ
Metals		
Arsenic	16	**4.1**
Barium	400	**116**
Cadmium	4.3	1.4 U
Chromium	19	**16 J**
Lead	400	**294**
Mercury	0.73	**0.095 J**
Selenium	4	10.4 UJ
Silver	8.3	1.4 U

Notes:

1. Sample concentrations are presented in units of milligrams per kilogram (mg/kg).
2. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
3. Soil cleanup objectives (SCOs) reflect the lower of the restricted use SCOs for protection of public health (restricted residential) or protection of groundwater, as set forth in Table 375-6.8(b) of 6 NYCRR 375.
4. Bolded sample concentrations denote detected parameters.
5. Gray shading denotes sample concentrations that exceed the applicable SCOs.
6. --: No SCO is listed in Table 375-6.8(b) of 6 NYCRR 375 for this parameter.
7. bgs: below ground surface.

Data Qualifiers:

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 estimat
2. JN: Sample matrix spike analysis was outside control limits. The reported concentration is an estimate.
3. R: Sample result has been rejected.
4. U: Parameter was not detected in the sample. The reported concentration is the RL.
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 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-26	CGSB-26	CGSB-26
Sample ID:		CGSB-26 (31-32)	CGSB-26 (64-64.5)	CGSB-26 (122-123)
Sample Interval (feet bgs):		31.00 to 32.00	64.00 to 64.50	122.00 to 123.00
Sample Interval (feet NAVD88):	Soil Cleanup	-20.46 to -21.46	-53.46 to -53.96	-111.46 to -12.46
Parameter / Sample Date:	Objective[5]	4/30/2003	4/30/2003	4/30/2003
Volatile Organic Compounds				
Acetone	0.05	R	R	R
Benzene	0.06	**30 J**	**130**	**0.0050 J**
Bromodichloromethane	--	120 U	28 U	0.0060 U
Bromoform	--	120 U	28 U	0.0060 U
Bromomethane	--	120 U	28 U	0.0060 U
Butanone, 2-	0.12	R	R	0.011 UJ
Carbon disulfide	--	120 U	28 U	0.0060 U
Carbon tetrachloride	0.76	120 U	28 U	0.0060 U
Chlorobenzene	1.1	120 U	28 U	0.0060 U
Chloroethane	--	120 U	28 U	0.0060 U
Chloroform	0.37	120 U	28 U	0.0060 U
Chloromethane	--	120 U	28 U	0.0060 U
Dibromochloromethane	--	120 U	28 U	0.0060 U
Dichloroethane, 1,1-	0.27	120 U	28 U	0.0060 U
Dichloroethane, 1,2-	0.02	120 U	28 U	0.0060 U
Dichloroethene, 1,1-	0.33	120 U	28 U	0.0060 U
Dichloroethene, cis-1,2-	0.25	120 U	28 U	0.0060 U
Dichloroethene, trans-1,2-	0.19	120 U	28 U	0.0060 U
Dichloropropane, 1,2-	--	120 U	28 U	0.0060 U
Dichloropropene, cis-1,3-	--	120 U	28 U	0.0060 U
Dichloropropene, trans-1,3-	--	120 U	28 U	0.0060 U
Ethylbenzene	1	**210**	**120**	**0.0010 J**
Hexanone, 2-	--	120 U	28 U	0.011 U
Methyl-2-pentanone, 4-	--	120 U	28 U	0.011 U
Methylene chloride	0.05	120 U	28 U	0.0060 UJB
Styrene	--	120 U	**450**	0.0060 U
Tetrachloroethane, 1,1,2,2-	--	120 U	28 U	0.0060 U
Tetrachloroethene	1.3	120 U	28 U	0.0060 U
Toluene	0.7	**99 J**	**310**	**0.0040 J**
Trichloroethane, 1,1,1-	0.68	120 U	28 U	0.0060 U
Trichloroethane, 1,1,2-	--	120 U	28 U	0.0060 U
Trichloroethene	0.47	120 U	28 U	0.0060 U
Vinyl acetate	--	120 U	28 U	0.0060 U
Vinyl chloride	0.02	120 U	28 U	0.0060 U
Xylenes, Total	1.6	**260**	**680**	**0.003 J**
Semivolatile Organic Compounds				
Acenaphthene	98	**760**	**390 J**	0.37 U
Acenaphthylene	100	**230 J**	**3,500**	0.37 U
Anthracene	100	**510**	**1,700**	0.37 U
Benzo(a)anthracene	1	**270 J**	**770 J**	0.37 U
Benzo(a)pyrene	1	**190 J**	**610 J**	0.37 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-26	CGSB-26	CGSB-26
Sample ID:		CGSB-26 (31-32)	CGSB-26 (64-64.5)	CGSB-26 (122-123)
Sample Interval (feet bgs):		31.00 to 32.00	64.00 to 64.50	122.00 to 123.00
Sample Interval (feet NAVD88):	Soil Cleanup	-20.46 to -21.46	-53.46 to -53.96	-111.46 to -12.46
Parameter / Sample Date:	Objective[5]	4/30/2003	4/30/2003	4/30/2003
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	**77 J**	**270 J**	0.37 U
Benzo(g,h,i)perylene	100	**67 J**	**240 J**	0.37 UJ
Benzo(k)fluoranthene	1.7	**140 J**	**460 J**	0.37 U
Benzoic acid	--	1,900 UJ	5,400 UJ	1.8 U
Benzyl alcohol	--	380 U	1,100 U	0.37 UJ
Bis(2-chloroethoxy)methane	--	380 U	1,100 U	0.37 U
Bis(2-chloroethyl)ether	--	380 U	1,100 U	0.37 U
Bis(2-ethylhexyl)phthalate	--	380 U	1,100 U	**0.088 J**
Bromophenyl phenyl ether, 4-	--	380 U	1,100 U	0.37 U
Butyl benzyl phthalate	--	380 U	1,100 U	0.37 U
Carbazole	--	380 U	1,100 U	0.37 U
Chloro-3-methylphenol, 4-	--	380 U	1,100 U	0.37 U
Chloroaniline, 4-	--	380 UJ	1,100 UJ	0.37 UJ
Chloronaphthalene, 2-	--	380 U	1,100 U	0.37 U
Chlorophenol, 2-	--	380 U	1,100 U	0.37 U
Chlorophenyl phenyl ether, 4-	--	380 U	1,100 U	0.37 U
Chrysene	1	**260 J**	**720 J**	0.37 U
Dibenzo(a,h)anthracene	0.33	380 U	**100 J**	0.37 UJ
Dibenzofuran	59	**61 J**	**280 J**	0.37 U
Dichlorobenzene, 1,2-	1.1	380 U	1,100 U	0.37 U
Dichlorobenzene, 1,3-	2.4	380 UJ	1,100 UJ	0.37 UJ
Dichlorobenzene, 1,4-	1.8	380 U	1,100 U	0.37 U
Dichlorobenzidine, 3,3-	--	760 UJ	2,200 UJ	0.74 UJ
Dichlorophenol, 2,4-	--	380 U	1,100 U	0.37 U
Diethyl phthalate	--	380 U	1,100 U	0.37 U
Dimethylphenol, 2,4-	--	380 UJ	1,100 UJ	0.37 UJ
Dimethyl phthalate	--	380 U	1,100 U	0.37 U
Di-n-butyl phthalate	--	380 U	1,100 U	0.37 U
Di-n-octyl phthalate	--	380 U	1,100 U	0.37 U
Dinitro-2-methylphenol, 4,6-	--	1,900 U	5,400 U	1.8 U
Dinitrophenol, 2,4-	--	1,900 U	5,400 U	1.8 U
Dinitrotoluene, 2,4-	--	380 U	1,100 U	0.37 U
Dinitrotoluene, 2,6-	--	380 U	1,100 U	0.37 U
Fluoranthene	100	**440**	**1,500**	0.37 U
Fluorene	100	**570**	**2,200**	0.37 U
Hexachlorobenzene	1.2	380 U	1,100 U	0.37 U
Hexachlorobutadiene	--	380 U	1,100 U	0.37 U
Hexachlorocyclopentadiene	--	380 UJ	1,100 UJ	0.37 UJ
Hexachloroethane	--	380 U	1,100 U	0.37 U
Indeno(1,2,3-cd)pyrene	0.5	**58 J**	**200 J**	0.37 UJ
Isophorone	--	380 U	1,100 U	0.37 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-26	CGSB-26	CGSB-26
Sample ID:		CGSB-26 (31-32)	CGSB-26 (64-64.5)	CGSB-26 (122-123)
Sample Interval (feet bgs):		31.00 to 32.00	64.00 to 64.50	122.00 to 123.00
Sample Interval (feet NAVD88):	Soil Cleanup	-20.46 to -21.46	-53.46 to -53.96	-111.46 to -12.46
Parameter / Sample Date:	Objective[5]	4/30/2003	4/30/2003	4/30/2003
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	**1,900**	**7,300**	0.37 U
Methylphenol, 2-	0.33	380 U	1,100 U	0.37 U
Methylphenol, 4-	0.33	380 U	1,100 U	0.37 U
Naphthalene	12	**2,400**	**9,000**	0.37 U
Nitroaniline, 2-	--	1,900 U	5,400 U	1.8 U
Nitroaniline, 3-	--	1,900 UJ	5,400 UJ	1.8 UJ
Nitroaniline, 4-	--	760 U	2,200 U	0.74 U
Nitrobenzene	--	380 U	1,100 U	0.37 U
Nitrophenol, 2-	--	380 U	1,100 U	0.37 U
Nitrophenol, 4-	--	1,900 U	5,400 U	1.8 U
N-Nitrosodi-n-propylamine	--	380 U	1,100 U	0.37 U
N-Nitrosodiphenylamine	--	380 U	1,100 U	0.37 U
Oxybis(1-chloropropane), 2,2'-	--	380 U	1,100 U	0.37 U
Pentachlorophenol	0.8	1,900 U	5,400 U	1.8 U
Phenanthrene	100	**1,400**	**4,800**	0.37 U
Phenol	0.33	380 U	1,100 U	0.37 U
Pyrene	100	**810**	**2,600**	0.37 U
Trichlorobenzene, 1,2,4-	--	380 U	1,100 U	0.37 U
Trichlorophenol, 2,4,5-	--	1,900 U	5,400 U	1.8 U
Trichlorophenol, 2,4,6-	--	380 U	1,100 U	0.37 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-26	CGSB-26	CGSB-26
Sample ID:		CGSB-26 (31-32)	CGSB-26 (64-64.5)	CGSB-26 (122-123)
Sample Interval (feet bgs):		31.00 to 32.00	64.00 to 64.50	122.00 to 123.00
Sample Interval (feet NAVD88):	Soil Cleanup	-20.46 to -21.46	-53.46 to -53.96	-111.46 to -12.46
Parameter / Sample Date:	Objective[5]	4/30/2003	4/30/2003	4/30/2003
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**1.80 J**	**4.10 B**	**2.40 B**
Barium	400	**9.80**	**13.9**	**19.1**
Cadmium	4.3	3.00 U	2.50 U	2.50 U
Chromium	19	**7.30**	**5.30**	**8.70**
Lead	400	**2.90 J**	**2.90 J**	**6.30 B**
Mercury	0.73	1.60 U	1.70 U	1.50 U
Selenium	4	16.0 U	13.1 U	13.2 U
Silver	8.3	3.00 U	2.50 U	2.50 U
Cyanide				
Cyanide, Total	27	0.57 U	0.54 UB	0.55 U
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-31	CGSB-31	CGSB-31
Sample ID:		CGSB-31 (20-21)	CGSB-31 (30-30.5)	CGSBXX_12_22_04
Sample Interval (feet bgs):		20.00 to 21.00	30.00 to 30.50	30.00 to 30.50
Sample Interval (feet NAVD88):	Soil Cleanup	-0.60 to -1.60	-10.60 to -11.10	-10.60 to -11.10
Parameter / Sample Date:	Objective[5]	12/22/2004	12/22/2004	12/22/2004
Volatile Organic Compounds				
Acetone	0.05	3.1 U	3.9 UJ	3.1 UJ
Benzene	0.06	1.2 U	**3.3 J**	1.2 UJ
Bromodichloromethane	--	1.2 U	1.6 U	1.2 U
Bromoform	--	1.2 UJ	1.6 UJ	1.2 UJ
Bromomethane	--	1.2 UJ	1.6 U	1.2 U
Butanone, 2-	0.12	**0.46 J**	**0.62 J**	**0.46 J**
Carbon disulfide	--	1.2 U	1.6 U	1.2 U
Carbon tetrachloride	0.76	1.2 U	1.6 U	1.2 U
Chlorobenzene	1.1	1.2 U	1.6 U	1.2 U
Chloroethane	--	1.2 U	1.6 U	1.2 U
Chloroform	0.37	1.2 U	1.6 U	1.2 U
Chloromethane	--	1.2 U	1.6 U	1.2 U
Dibromochloromethane	--	1.2 U	1.6 U	1.2 U
Dichloroethane, 1,1-	0.27	1.2 U	1.6 U	1.2 U
Dichloroethane, 1,2-	0.02	1.2 U	1.6 U	1.2 U
Dichloroethene, 1,1-	0.33	1.2 U	1.6 U	1.2 U
Dichloroethene, cis-1,2-	0.25	1.2 U	1.6 U	1.2 U
Dichloroethene, trans-1,2-	0.19	1.2 U	1.6 U	1.2 U
Dichloropropane, 1,2-	--	1.2 U	1.6 U	1.2 U
Dichloropropene, cis-1,3-	--	1.2 U	1.6 U	1.2 U
Dichloropropene, trans-1,3-	--	1.2 U	1.6 U	1.2 U
Ethylbenzene	1	**17**	**33**	**24**
Hexanone, 2-	--	1.2 UJ	1.6 UJ	1.2 UJ
Methyl-2-pentanone, 4-	--	1.2 U	1.6 U	1.2 U
Methylene chloride	0.05	1.2 U	1.6 UJ	1.2 UJ
Styrene	--	**19**	1.6 UJ	**30 J**
Tetrachloroethane, 1,1,2,2-	--	1.2 U	1.6 U	1.2 U
Tetrachloroethene	1.3	1.2 U	1.6 U	1.2 U
Toluene	0.7	1.2 UB	1.6 UJB	**9.4 J**
Trichloroethane, 1,1,1-	0.68	1.2 U	1.6 U	1.2 U
Trichloroethane, 1,1,2-	--	1.2 U	1.6 U	1.2 U
Trichloroethene	0.47	1.2 U	1.6 U	1.2 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	1.2 U	1.6 U	1.2 U
Xylenes, Total	1.6	**62**	**27 J**	**84 J**
Semivolatile Organic Compounds				
Acenaphthene	98	81 U	2.0 U	80 U
Acenaphthylene	100	81 U	2.0 U	80 U
Anthracene	100	81 U	2.0 U	80 U
Benzo(a)anthracene	1	81 U	2.0 U	80 U
Benzo(a)pyrene	1	81 U	2.0 U	80 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-31	CGSB-31	CGSB-31
Sample ID:		CGSB-31 (20-21)	CGSB-31 (30-30.5)	CGSBXX_12_22_04
Sample Interval (feet bgs):		20.00 to 21.00	30.00 to 30.50	30.00 to 30.50
Sample Interval (feet NAVD88):	Soil Cleanup	-0.60 to -1.60	-10.60 to -11.10	-10.60 to -11.10
Parameter / Sample Date:	Objective[5]	12/22/2004	12/22/2004	12/22/2004
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	81 U	2.0 U	80 U
Benzo(g,h,i)perylene	100	81 U	2.0 U	80 U
Benzo(k)fluoranthene	1.7	81 U	2.0 U	80 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	81 U	2.0 U	80 U
Bis(2-chloroethoxy)methane	--	81 U	2.0 U	80 U
Bis(2-chloroethyl)ether	--	81 U	2.0 U	80 U
Bis(2-ethylhexyl)phthalate	--	81 U	2.0 U	80 U
Bromophenyl phenyl ether, 4-	--	81 U	2.0 U	80 U
Butyl benzyl phthalate	--	81 U	2.0 U	80 U
Carbazole	--	81 U	2.0 U	80 U
Chloro-3-methylphenol, 4-	--	81 U	2.0 U	80 U
Chloroaniline, 4-	--	81 U	2.0 U	80 U
Chloronaphthalene, 2-	--	81 U	2.0 U	80 U
Chlorophenol, 2-	--	81 U	2.0 U	80 U
Chlorophenyl phenyl ether, 4-	--	81 U	2.0 U	80 U
Chrysene	1	81 U	2.0 U	80 U
Dibenzo(a,h)anthracene	0.33	81 U	2.0 U	80 U
Dibenzofuran	59	81 U	2.0 U	80 U
Dichlorobenzene, 1,2-	1.1	81 U	2.0 U	80 U
Dichlorobenzene, 1,3-	2.4	81 U	2.0 U	80 U
Dichlorobenzene, 1,4-	1.8	81 U	2.0 U	80 U
Dichlorobenzidine, 3,3-	--	160 U	4.0 U	160 U
Dichlorophenol, 2,4-	--	81 U	2.0 U	80 U
Diethyl phthalate	--	81 U	2.0 U	80 U
Dimethylphenol, 2,4-	--	81 U	2.0 U	80 U
Dimethyl phthalate	--	81 U	2.0 U	80 U
Di-n-butyl phthalate	--	81 U	2.0 U	80 U
Di-n-octyl phthalate	--	81 U	2.0 U	80 U
Dinitro-2-methylphenol, 4,6-	--	390 U	9.8 U	390 U
Dinitrophenol, 2,4-	--	390 U	9.8 UJ	390 U
Dinitrotoluene, 2,4-	--	81 U	2.0 U	80 U
Dinitrotoluene, 2,6-	--	81 U	2.0 U	80 U
Fluoranthene	100	81 U	2.0 U	80 U
Fluorene	100	81 U	2.0 U	80 U
Hexachlorobenzene	1.2	81 U	2.0 U	80 U
Hexachlorobutadiene	--	81 U	2.0 U	80 U
Hexachlorocyclopentadiene	--	81 UJ	2.0 U	80 U
Hexachloroethane	--	81 U	2.0 U	80 U
Indeno(1,2,3-cd)pyrene	0.5	81 U	2.0 U	80 U
Isophorone	--	81 U	2.0 U	80 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Sample Interval (feet bgs): / Sample Interval (feet NAVD88): / Parameter / Sample Date:	Soil Cleanup Objective[5]	Remedial Investigation		
		CGSB-31	CGSB-31	CGSB-31
		CGSB-31 (20-21)	CGSB-31 (30-30.5)	CGSBXX_12_22_04
		20.00 to 21.00	30.00 to 30.50	30.00 to 30.50
		-0.60 to -1.60	-10.60 to -11.10	-10.60 to -11.10
		12/22/2004	12/22/2004	12/22/2004
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	**62 J**	2.0 U	**54 J**
Methylphenol, 2-	0.33	81 U	2.0 U	80 U
Methylphenol, 4-	0.33	81 U	2.0 U	80 U
Naphthalene	12	**420**	**10 J**	**350 J**
Nitroaniline, 2-	--	390 U	9.8 U	390 U
Nitroaniline, 3-	--	390 U	9.8 U	390 U
Nitroaniline, 4-	--	160 U	4.0 U	160 U
Nitrobenzene	--	81 U	2.0 U	80 U
Nitrophenol, 2-	--	81 U	2.0 U	80 U
Nitrophenol, 4-	--	390 UJ	9.8 U	390 U
N-Nitrosodi-n-propylamine	--	81 U	2.0 U	80 U
N-Nitrosodiphenylamine	--	81 U	2.0 U	80 U
Oxybis(1-chloropropane), 2,2'-	--	81 U	2.0 U	80 U
Pentachlorophenol	0.8	390 U	9.8 U	390 U
Phenanthrene	100	81 U	2.0 U	80 U
Phenol	0.33	81 U	2.0 U	80 U
Pyrene	100	81 U	2.0 U	80 U
Trichlorobenzene, 1,2,4-	--	81 U	2.0 U	80 U
Trichlorophenol, 2,4,5-	--	390 U	9.8 U	390 U
Trichlorophenol, 2,4,6-	--	81 U	2.0 U	80 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Parameter	Soil Cleanup Objective[5]	Remedial Investigation		
Investigation:		Remedial Investigation		
Location ID:		CGSB-31	CGSB-31	CGSB-31
Sample ID:		CGSB-31 (20-21)	CGSB-31 (30-30.5)	CGSBXX_12_22_04
Sample Interval (feet bgs):		20.00 to 21.00	30.00 to 30.50	30.00 to 30.50
Sample Interval (feet NAVD88):		-0.60 to -1.60	-10.60 to -11.10	-10.60 to -11.10
Sample Date:		12/22/2004	12/22/2004	12/22/2004
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**3.00 J**	**4.00 J**	**3.10 J**
Barium	400	**25.5 J**	**44.3 J**	**40.9 J**
Cadmium	4.3	3.20 U	5.10 U	3.50 U
Chromium	19	**8.70**	**11.7**	**11.2**
Lead	400	**11.1 J**	**4.90 J**	**28.1 J**
Mercury	0.73	0.0120 U	0.0230 U	0.0140 U
Selenium	4	17.1 U	27.2 U	18.8 U
Silver	8.3	3.20 U	5.10 U	3.50 U
Cyanide				
Cyanide, Total	27	0.61 U	0.78 U	0.61 U
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-31	CGSB-32	CGSB-32
Sample ID:		CGSB-31 (47-47.5)	CGSB-32 (29.5-30)	CGSB-32 (45.5-46.5)
Sample Interval (feet bgs):		47.00 to 47.50	29.50 to 30.00	45.50 to 46.50
Sample Interval (feet NAVD88):	Soil Cleanup	-27.60 to -28.10	-6.99 to -7.49	-22.99 to -23.99
Parameter Sample Date:	Objective[5]	12/22/2004	1/27/2005	1/27/2005
Volatile Organic Compounds				
Acetone	0.05	0.011 UJ	**0.11 J**	0.011 UJB
Benzene	0.06	0.0057 U	**0.075**	**0.0074**
Bromodichloromethane	--	0.0057 U	0.0065 U	0.0056 U
Bromoform	--	0.0057 U	0.0065 U	0.0056 U
Bromomethane	--	0.0057 UJ	0.0065 U	0.0056 U
Butanone, 2-	0.12	0.011 U	0.013 U	0.011 UJ
Carbon disulfide	--	0.0057 U	**0.0041 J**	0.0056 U
Carbon tetrachloride	0.76	0.0057 U	0.0065 U	0.0056 U
Chlorobenzene	1.1	0.0057 U	0.0065 U	0.0056 U
Chloroethane	--	0.0057 UJ	0.0065 U	0.0056 U
Chloroform	0.37	0.0057 U	0.0065 U	0.0056 U
Chloromethane	--	0.0057 U	0.0065 U	0.0056 U
Dibromochloromethane	--	0.0057 U	0.0065 U	0.0056 U
Dichloroethane, 1,1-	0.27	0.0057 U	0.0065 U	0.0056 U
Dichloroethane, 1,2-	0.02	0.0057 U	0.0065 U	0.0056 U
Dichloroethene, 1,1-	0.33	0.0057 U	0.0065 U	0.0056 U
Dichloroethene, cis-1,2-	0.25	0.0057 U	0.0065 U	0.0056 U
Dichloroethene, trans-1,2-	0.19	0.0057 U	0.0065 U	0.0056 U
Dichloropropane, 1,2-	--	0.0057 U	0.0065 U	0.0056 U
Dichloropropene, cis-1,3-	--	0.0057 U	0.0065 U	0.0056 U
Dichloropropene, trans-1,3-	--	0.0057 U	0.0065 U	0.0056 U
Ethylbenzene	1	0.0057 U	**0.25**	**0.0030 J**
Hexanone, 2-	--	0.011 U	0.013 UJ	0.011 UJ
Methyl-2-pentanone, 4-	--	0.011 U	0.013 U	0.011 U
Methylene chloride	0.05	0.011 U	0.013 UJB	0.011 UJB
Styrene	--	0.0057 U	0.0065 U	0.0056 U
Tetrachloroethane, 1,1,2,2-	--	0.0057 UJ	0.0065 U	0.0056 U
Tetrachloroethene	1.3	0.0057 U	0.0065 U	0.0056 U
Toluene	0.7	0.0057 U	0.0065 UJ	0.0056 U
Trichloroethane, 1,1,1-	0.68	0.0057 U	0.0065 U	0.0056 U
Trichloroethane, 1,1,2-	--	0.0057 U	0.0065 U	0.0056 U
Trichloroethene	0.47	0.0057 U	0.0065 U	0.0056 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0057 U	0.0065 U	0.0056 U
Xylenes, Total	1.6	0.0057 U	**0.17**	0.0056 U
Semivolatile Organic Compounds				
Acenaphthene	98	0.36 U	0.86 U	0.36 U
Acenaphthylene	100	0.36 U	0.86 U	0.36 U
Anthracene	100	0.36 U	0.86 U	0.36 U
Benzo(a)anthracene	1	0.36 U	0.86 U	0.36 U
Benzo(a)pyrene	1	0.36 U	**0.48 J**	0.36 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-31	CGSB-32	CGSB-32
Sample ID:		CGSB-31 (47-47.5)	CGSB-32 (29.5-30)	CGSB-32 (45.5-46.5)
Sample Interval (feet bgs):		47.00 to 47.50	29.50 to 30.00	45.50 to 46.50
Sample Interval (feet NAVD88):	Soil Cleanup	-27.60 to -28.10	-6.99 to -7.49	-22.99 to -23.99
Parameter Sample Date:	Objective[5]	12/22/2004	1/27/2005	1/27/2005
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.36 U	0.86 U	0.36 U
Benzo(g,h,i)perylene	100	0.36 U	0.86 U	0.36 U
Benzo(k)fluoranthene	1.7	0.36 U	0.86 U	0.36 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.36 U	0.86 U	0.36 U
Bis(2-chloroethoxy)methane	--	0.36 U	0.86 U	0.36 U
Bis(2-chloroethyl)ether	--	0.36 U	0.86 U	0.36 U
Bis(2-ethylhexyl)phthalate	--	0.36 U	0.86 U	0.36 U
Bromophenyl phenyl ether, 4-	--	0.36 U	0.86 U	0.36 U
Butyl benzyl phthalate	--	0.36 U	0.86 U	0.36 U
Carbazole	--	0.36 U	0.86 U	0.36 U
Chloro-3-methylphenol, 4-	--	0.36 U	0.86 U	0.36 U
Chloroaniline, 4-	--	0.36 U	0.86 U	0.36 U
Chloronaphthalene, 2-	--	0.36 U	0.86 U	0.36 U
Chlorophenol, 2-	--	0.36 U	0.86 U	0.36 U
Chlorophenyl phenyl ether, 4-	--	0.36 U	0.86 U	0.36 U
Chrysene	1	0.36 U	0.86 U	0.36 U
Dibenzo(a,h)anthracene	0.33	0.36 U	0.86 U	0.36 U
Dibenzofuran	59	0.36 U	0.86 U	0.36 U
Dichlorobenzene, 1,2-	1.1	0.36 U	0.86 U	0.36 U
Dichlorobenzene, 1,3-	2.4	0.36 U	0.86 U	0.36 U
Dichlorobenzene, 1,4-	1.8	0.36 UJ	0.86 U	0.36 U
Dichlorobenzidine, 3,3-	--	0.72 U	1.7 U	0.71 UJ
Dichlorophenol, 2,4-	--	0.36 U	0.86 U	0.36 U
Diethyl phthalate	--	0.36 U	0.86 U	0.36 U
Dimethylphenol, 2,4-	--	0.36 U	0.86 U	0.36 U
Dimethyl phthalate	--	0.36 U	0.86 U	0.36 U
Di-n-butyl phthalate	--	0.36 U	0.86 U	0.36 U
Di-n-octyl phthalate	--	0.36 U	0.86 U	0.36 U
Dinitro-2-methylphenol, 4,6-	--	1.7 U	4.1 U	1.7 U
Dinitrophenol, 2,4-	--	1.7 UJ	4.1 U	1.7 UJ
Dinitrotoluene, 2,4-	--	0.36 U	0.86 U	0.36 U
Dinitrotoluene, 2,6-	--	0.36 U	0.86 U	0.36 U
Fluoranthene	100	0.36 U	0.86 U	0.36 U
Fluorene	100	0.36 U	0.86 U	0.36 U
Hexachlorobenzene	1.2	0.36 U	0.86 U	0.36 U
Hexachlorobutadiene	--	0.36 U	0.86 U	0.36 U
Hexachlorocyclopentadiene	--	0.36 U	0.86 U	0.36 U
Hexachloroethane	--	0.36 U	0.86 U	0.36 U
Indeno(1,2,3-cd)pyrene	0.5	0.36 U	0.86 U	0.36 U
Isophorone	--	0.36 U	0.86 U	0.36 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-31	CGSB-32	CGSB-32
Sample ID:		CGSB-31 (47-47.5)	CGSB-32 (29.5-30)	CGSB-32 (45.5-46.5)
Sample Interval (feet bgs):		47.00 to 47.50	29.50 to 30.00	45.50 to 46.50
Sample Interval (feet NAVD88):	Soil Cleanup	-27.60 to -28.10	-6.99 to -7.49	-22.99 to -23.99
Parameter / Sample Date:	Objective[5]	12/22/2004	1/27/2005	1/27/2005
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.36 U	0.86 U	0.36 U
Methylphenol, 2-	0.33	0.36 U	0.86 U	0.36 U
Methylphenol, 4-	0.33	0.36 U	0.86 U	0.36 U
Naphthalene	12	0.36 U	**3.3**	0.36 U
Nitroaniline, 2-	--	1.7 U	4.1 U	1.7 U
Nitroaniline, 3-	--	1.7 U	4.1 U	1.7 U
Nitroaniline, 4-	--	0.72 U	1.7 U	0.71 UJ
Nitrobenzene	--	0.36 U	0.86 U	0.36 U
Nitrophenol, 2-	--	0.36 U	0.86 U	0.36 U
Nitrophenol, 4-	--	1.7 U	4.1 U	1.7 U
N-Nitrosodi-n-propylamine	--	0.36 U	0.86 U	0.36 U
N-Nitrosodiphenylamine	--	0.36 U	0.86 U	0.36 U
Oxybis(1-chloropropane), 2,2'-	--	0.36 U	0.86 U	0.36 UJ
Pentachlorophenol	0.8	1.7 U	4.1 U	1.7 U
Phenanthrene	100	0.36 U	0.86 U	0.36 U
Phenol	0.33	0.36 U	0.86 U	0.36 U
Pyrene	100	0.36 U	0.86 U	0.36 U
Trichlorobenzene, 1,2,4-	--	0.36 U	0.86 U	0.36 U
Trichlorophenol, 2,4,5-	--	1.7 U	4.1 U	1.7 U
Trichlorophenol, 2,4,6-	--	0.36 U	0.86 U	0.36 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-31	CGSB-32	CGSB-32
Sample ID:		CGSB-31 (47-47.5)	CGSB-32 (29.5-30)	CGSB-32 (45.5-46.5)
Sample Interval (feet bgs):		47.00 to 47.50	29.50 to 30.00	45.50 to 46.50
Sample Interval (feet NAVD88):	Soil Cleanup	-27.60 to -28.10	-6.99 to -7.49	-22.99 to -23.99
Parameter Sample Date:	Objective[5]	12/22/2004	1/27/2005	1/27/2005
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**2.50 J**	**2.80 J**	9.40 UJ
Barium	400	**33.4 J**	**30.4 J**	**39.0 J**
Cadmium	4.3	3.50 U	3.90 U	3.50 U
Chromium	19	**8.50**	**18.9 ***	**6.30 ***
Lead	400	**4.20 J**	**5.40 B***	**4.10 B***
Mercury	0.73	0.0140 U	0.0170 U	0.0100 U
Selenium	4	18.5 U	20.6 U	18.7 U
Silver	8.3	3.50 U	3.90 U	3.50 U
Cyanide				
Cyanide, Total	27	0.56 U	0.65 U	0.56 U
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-32	CGSB-32	CGSB-33
Sample ID:		CGSB-XX 0-2	CGSB-32 (126-126.5)	CGSB-33 (22.5-23)
Sample Interval (feet bgs):		45.50 to 46.50	126.00 to 126.50	22.50 to 23.00
Sample Interval (feet NAVD88):	Soil Cleanup	-22.99 to -23.99	-103.49 to -3.99	6.15 to 5.65
Parameter Sample Date:	Objective[5]	1/27/2005	1/28/2005	1/4/2005
Volatile Organic Compounds				
Acetone	0.05	0.011 UJB	0.011 UJB	**0.14 J**
Benzene	0.06	**0.0071**	**0.0021 J**	0.027 UJ
Bromodichloromethane	--	0.0056 U	0.0056 U	0.027 UJ
Bromoform	--	0.0056 U	0.0056 U	0.027 UJ
Bromomethane	--	0.0056 U	0.0056 U	0.027 UJ
Butanone, 2-	0.12	0.011 UJ	0.011 UJ	0.055 UJ
Carbon disulfide	--	0.0056 U	0.0056 U	0.027 UJ
Carbon tetrachloride	0.76	0.0056 U	0.0056 U	0.027 UJ
Chlorobenzene	1.1	0.0056 U	0.0056 U	0.027 UJ
Chloroethane	--	0.0056 U	0.0056 U	0.027 UJ
Chloroform	0.37	0.0056 U	0.0056 U	0.027 UJ
Chloromethane	--	0.0056 U	0.0056 U	0.027 UJ
Dibromochloromethane	--	0.0056 U	0.0056 U	0.027 UJ
Dichloroethane, 1,1-	0.27	0.0056 U	0.0056 U	0.027 UJ
Dichloroethane, 1,2-	0.02	0.0056 U	0.0056 U	0.027 UJ
Dichloroethene, 1,1-	0.33	0.0056 U	0.0056 U	0.027 UJ
Dichloroethene, cis-1,2-	0.25	0.0056 U	0.0056 U	0.027 UJ
Dichloroethene, trans-1,2-	0.19	0.0056 U	0.0056 U	0.027 UJ
Dichloropropane, 1,2-	--	0.0056 U	0.0056 U	0.027 UJ
Dichloropropene, cis-1,3-	--	0.0056 U	0.0056 U	0.027 UJ
Dichloropropene, trans-1,3-	--	0.0056 U	0.0056 U	0.027 UJ
Ethylbenzene	1	**0.0027 J**	0.0056 U	**0.090 J**
Hexanone, 2-	--	0.011 UJ	0.011 UJ	0.055 UJ
Methyl-2-pentanone, 4-	--	0.011 U	0.011 U	0.055 UJ
Methylene chloride	0.05	0.011 UJB	0.011 UJB	0.055 UJ
Styrene	--	0.0056 U	0.0056 U	0.027 UJ
Tetrachloroethane, 1,1,2,2-	--	0.0056 U	0.0056 U	0.027 UJ
Tetrachloroethene	1.3	0.0056 U	0.0056 U	0.027 UJ
Toluene	0.7	0.0056 U	0.0056 UJ	0.027 UJ
Trichloroethane, 1,1,1-	0.68	0.0056 U	0.0056 U	0.027 UJ
Trichloroethane, 1,1,2-	--	0.0056 U	0.0056 U	0.027 UJ
Trichloroethene	0.47	0.0056 U	0.0056 U	0.027 UJ
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0056 U	0.0056 U	0.027 UJ
Xylenes, Total	1.6	0.0056 U	0.0056 U	**0.15 J**
Semivolatile Organic Compounds				
Acenaphthene	98	0.36 U	0.37 U	**2.5**
Acenaphthylene	100	0.36 U	0.37 U	**1.0**
Anthracene	100	0.36 U	0.37 U	**0.82**
Benzo(a)anthracene	1	0.36 U	0.37 U	**0.28 J**
Benzo(a)pyrene	1	0.36 U	0.37 U	**0.20 J**

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-32	CGSB-32	CGSB-33
Sample ID:		CGSB-XX 0-2	CGSB-32 (126-126.5)	CGSB-33 (22.5-23)
Sample Interval (feet bgs):		45.50 to 46.50	126.00 to 126.50	22.50 to 23.00
Sample Interval (feet NAVD88):	Soil Cleanup	-22.99 to -23.99	-103.49 to -3.99	6.15 to 5.65
Parameter Sample Date:	Objective[5]	1/27/2005	1/28/2005	1/4/2005
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.36 U	0.37 U	0.72 U
Benzo(g,h,i)perylene	100	0.36 U	0.37 U	0.72 U
Benzo(k)fluoranthene	1.7	0.36 U	0.37 U	**0.13 J**
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.36 U	0.37 U	0.72 U
Bis(2-chloroethoxy)methane	--	0.36 U	0.37 U	0.72 U
Bis(2-chloroethyl)ether	--	0.36 U	0.37 U	0.72 U
Bis(2-ethylhexyl)phthalate	--	0.36 U	0.37 U	0.72 U
Bromophenyl phenyl ether, 4-	--	0.36 U	0.37 U	0.72 U
Butyl benzyl phthalate	--	0.36 U	0.37 U	0.72 U
Carbazole	--	0.36 U	0.37 U	0.72 U
Chloro-3-methylphenol, 4-	--	0.36 U	0.37 U	0.72 U
Chloroaniline, 4-	--	0.36 U	0.37 U	0.72 U
Chloronaphthalene, 2-	--	0.36 U	0.37 U	0.72 U
Chlorophenol, 2-	--	0.36 U	0.37 U	0.72 U
Chlorophenyl phenyl ether, 4-	--	0.36 U	0.37 U	0.72 U
Chrysene	1	0.36 U	0.37 U	**0.29 J**
Dibenzo(a,h)anthracene	0.33	0.36 U	0.37 U	0.72 U
Dibenzofuran	59	0.36 U	0.37 U	**1.1**
Dichlorobenzene, 1,2-	1.1	0.36 U	0.37 U	0.72 U
Dichlorobenzene, 1,3-	2.4	0.36 U	0.37 U	0.72 U
Dichlorobenzene, 1,4-	1.8	0.36 U	0.37 U	0.72 U
Dichlorobenzidine, 3,3-	--	0.71 UJ	0.74 UJ	1.4 U
Dichlorophenol, 2,4-	--	0.36 U	0.37 U	0.72 U
Diethyl phthalate	--	0.36 U	0.37 U	0.72 U
Dimethylphenol, 2,4-	--	0.36 U	0.37 U	0.72 U
Dimethyl phthalate	--	0.36 U	0.37 U	0.72 U
Di-n-butyl phthalate	--	0.36 U	0.37 U	0.72 U
Di-n-octyl phthalate	--	0.36 U	0.37 U	0.72 U
Dinitro-2-methylphenol, 4,6-	--	1.7 U	1.8 U	3.5 UJ
Dinitrophenol, 2,4-	--	1.7 UJ	1.8 UJ	R
Dinitrotoluene, 2,4-	--	0.36 U	0.37 U	0.72 U
Dinitrotoluene, 2,6-	--	0.36 U	0.37 U	0.72 U
Fluoranthene	100	0.36 U	0.37 U	**0.62 J**
Fluorene	100	0.36 U	0.37 U	**2.2**
Hexachlorobenzene	1.2	0.36 U	0.37 U	0.72 U
Hexachlorobutadiene	--	0.36 U	0.37 U	0.72 U
Hexachlorocyclopentadiene	--	0.36 U	0.37 U	0.72 UJ
Hexachloroethane	--	0.36 U	0.37 U	0.72 U
Indeno(1,2,3-cd)pyrene	0.5	0.36 U	0.37 U	0.72 U
Isophorone	--	0.36 U	0.37 U	0.72 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-32	CGSB-32	CGSB-33
Sample ID:		CGSB-XX 0-2	CGSB-32 (126-126.5)	CGSB-33 (22.5-23)
Sample Interval (feet bgs):		45.50 to 46.50	126.00 to 126.50	22.50 to 23.00
Sample Interval (feet NAVD88):	Soil Cleanup	-22.99 to -23.99	-103.49 to -3.99	6.15 to 5.65
Parameter Sample Date:	Objective[5]	1/27/2005	1/28/2005	1/4/2005
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.36 U	0.37 U	**0.36 J**
Methylphenol, 2-	0.33	0.36 U	0.37 U	0.72 U
Methylphenol, 4-	0.33	0.36 U	0.37 U	0.72 U
Naphthalene	12	0.36 U	0.37 U	**3.2**
Nitroaniline, 2-	--	1.7 U	1.8 U	3.5 U
Nitroaniline, 3-	--	1.7 U	1.8 U	3.5 U
Nitroaniline, 4-	--	0.71 UJ	0.74 UJ	1.4 U
Nitrobenzene	--	0.36 U	0.37 U	0.72 U
Nitrophenol, 2-	--	0.36 U	0.37 U	0.72 U
Nitrophenol, 4-	--	1.7 U	1.8 U	3.5 U
N-Nitrosodi-n-propylamine	--	0.36 U	0.37 U	0.72 U
N-Nitrosodiphenylamine	--	0.36 U	0.37 U	0.72 U
Oxybis(1-chloropropane), 2,2'-	--	0.36 UJ	0.37 UJ	0.72 U
Pentachlorophenol	0.8	1.7 U	1.8 U	3.5 U
Phenanthrene	100	0.36 U	0.37 U	**5.6**
Phenol	0.33	0.36 U	0.37 U	0.72 U
Pyrene	100	0.36 U	0.37 U	**1.2**
Trichlorobenzene, 1,2,4-	--	0.36 U	0.37 U	0.72 U
Trichlorophenol, 2,4,5-	--	1.7 U	1.8 U	3.5 U
Trichlorophenol, 2,4,6-	--	0.36 U	0.37 U	0.72 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-32	CGSB-32	CGSB-33
Sample ID:		CGSB-XX 0-2	CGSB-32 (126-126.5)	CGSB-33 (22.5-23)
Sample Interval (feet bgs):		45.50 to 46.50	126.00 to 126.50	22.50 to 23.00
Sample Interval (feet NAVD88):	Soil Cleanup	-22.99 to -23.99	-103.49 to -3.99	6.15 to 5.65
Parameter / Sample Date:	Objective[5]	1/27/2005	1/28/2005	1/4/2005
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	10.3 UJ	**2.30 J**	**2.90 J**
Barium	400	**36.0 J**	**29.4 J**	**36.2 J**
Cadmium	4.3	3.80 U	3.90 U	4.00 U
Chromium	19	**5.30 ***	**9.80 ***	**16.2**
Lead	400	**3.20 B***	**7.10 B***	**4.70 B**
Mercury	0.73	0.0120 U	0.0130 U	0.0150 U
Selenium	4	20.5 U	20.9 U	21.5 U
Silver	8.3	3.80 U	3.90 U	4.00 U
Cyanide				
Cyanide, Total	27	0.53 U	0.53 U	0.55 U
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-33	CGSB-33	CGSB-33
Sample ID:		CGSB-33 (29-29.5)	CGSB-33 (47-48)	CGSB-XX 100-101
Sample Interval (feet bgs):		29.00 to 29.50	47.00 to 48.00	47.00 to 48.00
Sample Interval (feet NAVD88):	Soil Cleanup	-0.35 to -0.85	-18.35 to -19.35	-18.35 to -19.35
Parameter / Sample Date:	Objective[5]	1/4/2005	1/4/2005	1/4/2005
Volatile Organic Compounds				
Acetone	0.05	**0.17 J**	**0.031 J**	**0.030 J**
Benzene	0.06	0.029 UJ	**0.079 J**	**0.040 J**
Bromodichloromethane	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Bromoform	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Bromomethane	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Butanone, 2-	0.12	0.058 UJ	0.013 UJ	0.013 UJ
Carbon disulfide	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Carbon tetrachloride	0.76	0.029 UJ	0.0064 UJ	0.0064 UJ
Chlorobenzene	1.1	0.029 UJ	0.0064 UJ	0.0064 UJ
Chloroethane	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Chloroform	0.37	0.029 UJ	0.0064 UJ	0.0064 UJ
Chloromethane	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Dibromochloromethane	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Dichloroethane, 1,1-	0.27	0.029 UJ	0.0064 UJ	0.0064 UJ
Dichloroethane, 1,2-	0.02	0.029 UJ	0.0064 UJ	0.0064 UJ
Dichloroethene, 1,1-	0.33	0.029 UJ	0.0064 UJ	0.0064 UJ
Dichloroethene, cis-1,2-	0.25	0.029 UJ	0.0064 UJ	0.0064 UJ
Dichloroethene, trans-1,2-	0.19	0.029 UJ	0.0064 UJ	0.0064 UJ
Dichloropropane, 1,2-	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Dichloropropene, cis-1,3-	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Dichloropropene, trans-1,3-	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Ethylbenzene	1	**0.20 J**	**0.015 J**	**0.0091 J**
Hexanone, 2-	--	0.058 UJ	0.013 UJ	0.013 UJ
Methyl-2-pentanone, 4-	--	0.058 UJ	0.013 UJ	0.013 UJ
Methylene chloride	0.05	0.058 UJ	0.013 UJ	0.013 UJ
Styrene	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Tetrachloroethane, 1,1,2,2-	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Tetrachloroethene	1.3	0.029 UJ	0.0064 UJ	0.0064 UJ
Toluene	0.7	0.029 UJ	0.0064 UJ	0.0064 UJ
Trichloroethane, 1,1,1-	0.68	0.029 UJ	0.0064 UJ	0.0064 UJ
Trichloroethane, 1,1,2-	--	0.029 UJ	0.0064 UJ	0.0064 UJ
Trichloroethene	0.47	0.029 UJ	0.0064 UJ	0.0064 UJ
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.029 UJ	0.0064 UJ	0.0064 UJ
Xylenes, Total	1.6	**0.84 J**	**0.014 J**	**0.008 J**
Semivolatile Organic Compounds				
Acenaphthene	98	**2.8**	0.42 U	0.42 U
Acenaphthylene	100	**1.1 J**	0.42 U	0.42 U
Anthracene	100	**0.95 J**	0.42 U	0.42 U
Benzo(a)anthracene	1	**0.29 J**	0.42 U	0.42 U
Benzo(a)pyrene	1	1.9 U	0.42 U	0.42 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-33	CGSB-33	CGSB-33
Sample ID:		CGSB-33 (29-29.5)	CGSB-33 (47-48)	CGSB-XX 100-101
Sample Interval (feet bgs):		29.00 to 29.50	47.00 to 48.00	47.00 to 48.00
Sample Interval (feet NAVD88):	Soil Cleanup	-0.35 to -0.85	-18.35 to -19.35	-18.35 to -19.35
Parameter Sample Date:	Objective[5]	1/4/2005	1/4/2005	1/4/2005
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	1.9 U	0.42 U	0.42 U
Benzo(g,h,i)perylene	100	1.9 U	0.42 U	0.42 U
Benzo(k)fluoranthene	1.7	1.9 U	0.42 U	0.42 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	1.9 U	0.42 U	0.42 U
Bis(2-chloroethoxy)methane	--	1.9 U	0.42 U	0.42 U
Bis(2-chloroethyl)ether	--	1.9 U	0.42 U	0.42 U
Bis(2-ethylhexyl)phthalate	--	1.9 U	0.42 U	0.42 U
Bromophenyl phenyl ether, 4-	--	1.9 U	0.42 U	0.42 U
Butyl benzyl phthalate	--	1.9 U	0.42 U	0.42 U
Carbazole	--	1.9 U	0.42 U	0.42 U
Chloro-3-methylphenol, 4-	--	1.9 U	0.42 U	0.42 U
Chloroaniline, 4-	--	1.9 U	0.42 U	0.42 U
Chloronaphthalene, 2-	--	1.9 U	0.42 U	0.42 U
Chlorophenol, 2-	--	1.9 U	0.42 U	0.42 U
Chlorophenyl phenyl ether, 4-	--	1.9 U	0.42 U	0.42 U
Chrysene	1	**0.32 J**	0.42 U	0.42 U
Dibenzo(a,h)anthracene	0.33	1.9 U	0.42 U	0.42 U
Dibenzofuran	59	**1.2 J**	0.42 U	0.42 U
Dichlorobenzene, 1,2-	1.1	1.9 U	0.42 U	0.42 U
Dichlorobenzene, 1,3-	2.4	1.9 U	0.42 U	0.42 U
Dichlorobenzene, 1,4-	1.8	1.9 U	0.42 U	0.42 U
Dichlorobenzidine, 3,3-	--	3.8 U	0.83 U	0.83 U
Dichlorophenol, 2,4-	--	1.9 U	0.42 U	0.42 U
Diethyl phthalate	--	1.9 U	0.42 U	0.42 U
Dimethylphenol, 2,4-	--	1.9 U	0.42 U	0.42 U
Dimethyl phthalate	--	1.9 U	0.42 U	0.42 U
Di-n-butyl phthalate	--	1.9 U	0.42 U	0.42 U
Di-n-octyl phthalate	--	1.9 U	0.42 U	0.42 U
Dinitro-2-methylphenol, 4,6-	--	9.2 UJ	2.0 U	2.0 U
Dinitrophenol, 2,4-	--	R	R	R
Dinitrotoluene, 2,4-	--	1.9 U	0.42 U	0.42 U
Dinitrotoluene, 2,6-	--	1.9 U	0.42 U	0.42 U
Fluoranthene	100	**0.70 J**	0.42 U	0.42 U
Fluorene	100	**1.8 J**	0.42 U	0.42 U
Hexachlorobenzene	1.2	1.9 U	0.42 U	0.42 U
Hexachlorobutadiene	--	1.9 U	0.42 U	0.42 U
Hexachlorocyclopentadiene	--	1.9 UJ	0.42 U	0.42 U
Hexachloroethane	--	1.9 U	0.42 U	0.42 U
Indeno(1,2,3-cd)pyrene	0.5	1.9 U	0.42 U	0.42 U
Isophorone	--	1.9 U	0.42 U	0.42 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-33	CGSB-33	CGSB-33
Sample ID:		CGSB-33 (29-29.5)	CGSB-33 (47-48)	CGSB-XX 100-101
Sample Interval (feet bgs):		29.00 to 29.50	47.00 to 48.00	47.00 to 48.00
Sample Interval (feet NAVD88):	Soil Cleanup	-0.35 to -0.85	-18.35 to -19.35	-18.35 to -19.35
Parameter / Sample Date:	Objective[5]	1/4/2005	1/4/2005	1/4/2005
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	**14**	0.42 U	0.42 U
Methylphenol, 2-	0.33	1.9 U	0.42 U	0.42 U
Methylphenol, 4-	0.33	1.9 U	0.42 U	0.42 U
Naphthalene	12	**12**	0.42 U	0.42 U
Nitroaniline, 2-	--	9.2 U	2.0 U	2.0 U
Nitroaniline, 3-	--	9.2 U	2.0 U	2.0 U
Nitroaniline, 4-	--	3.8 U	0.83 U	0.83 U
Nitrobenzene	--	1.9 U	0.42 U	0.42 U
Nitrophenol, 2-	--	1.9 U	0.42 U	0.42 U
Nitrophenol, 4-	--	9.2 U	2.0 U	2.0 U
N-Nitrosodi-n-propylamine	--	1.9 U	0.42 U	0.42 U
N-Nitrosodiphenylamine	--	1.9 U	0.42 U	0.42 U
Oxybis(1-chloropropane), 2,2'-	--	1.9 U	0.42 U	0.42 U
Pentachlorophenol	0.8	9.2 U	2.0 U	2.0 U
Phenanthrene	100	**6.0**	**0.091 J**	0.42 U
Phenol	0.33	1.9 U	0.42 U	0.42 U
Pyrene	100	**0.99 J**	0.42 U	0.42 U
Trichlorobenzene, 1,2,4-	--	1.9 U	0.42 U	0.42 U
Trichlorophenol, 2,4,5-	--	9.2 U	2.0 U	2.0 U
Trichlorophenol, 2,4,6-	--	1.9 U	0.42 U	0.42 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Sample Interval (feet bgs): / Sample Interval (feet NAVD88): / Parameter / Sample Date:	Soil Cleanup Objective[5]	Remedial Investigation		
		CGSB-33	CGSB-33	CGSB-33
		CGSB-33 (29-29.5)	CGSB-33 (47-48)	CGSB-XX 100-101
		29.00 to 29.50	47.00 to 48.00	47.00 to 48.00
		-0.35 to -0.85	-18.35 to -19.35	-18.35 to -19.35
		1/4/2005	1/4/2005	1/4/2005
Pesticides				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**1.30 J**	9.80 U	**1.80 J**
Barium	400	**29.3 J**	**26.6 J**	**29.3 J**
Cadmium	4.3	2.90 U	3.70 U	4.00 U
Chromium	19	**8.60**	**4.70**	**5.20**
Lead	400	**4.90 B**	**2.40 J**	**3.00 B**
Mercury	0.73	0.0130 U	0.0140 U	0.0180 U
Selenium	4	15.4 U	19.6 U	21.3 U
Silver	8.3	2.90 U	3.70 U	4.00 U
Cyanide				
Cyanide, Total	27	0.57 U	0.61 U	0.62 U
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-39	CGSB-39	CGSB-39
Sample ID:		CGSB-39 (17.5-18)	CGSB-39 (27-27.5)	CGSB-39 (77-78)
Sample Interval (feet bgs):		17.50 to 18.00	27.00 to 27.50	77.00 to 78.00
Sample Interval (feet NAVD88):	Soil Cleanup	-3.17 to -3.67	-12.67 to -13.17	-62.67 to -63.67
Parameter / Sample Date:	Objective[5]	2/3/2005	2/3/2005	2/3/2005
Volatile Organic Compounds				
Acetone	0.05	4.4 UJ	160 U	0.013 UB
Benzene	0.06	**36 J**	**220**	**0.021**
Bromodichloromethane	--	1.7 UJ	63 U	0.0064 U
Bromoform	--	1.7 UJ	63 U	0.0064 U
Bromomethane	--	1.7 UJ	63 UJ	0.0064 UJ
Butanone, 2-	0.12	1.7 UJ	63 U	0.013 U
Carbon disulfide	--	1.7 UJ	63 U	0.0064 U
Carbon tetrachloride	0.76	1.7 UJ	63 U	0.0064 U
Chlorobenzene	1.1	1.7 UJ	63 U	0.0064 U
Chloroethane	--	1.7 UJ	63 U	0.0064 UJ
Chloroform	0.37	1.7 UJ	63 U	0.0064 U
Chloromethane	--	1.7 UJ	63 U	0.0064 U
Dibromochloromethane	--	1.7 UJ	63 U	0.0064 U
Dichloroethane, 1,1-	0.27	1.7 UJ	63 U	0.0064 U
Dichloroethane, 1,2-	0.02	1.7 UJ	63 U	0.0064 U
Dichloroethene, 1,1-	0.33	1.7 UJ	63 U	0.0064 U
Dichloroethene, cis-1,2-	0.25	1.7 UJ	63 U	0.0064 U
Dichloroethene, trans-1,2-	0.19	1.7 UJ	63 U	0.0064 U
Dichloropropane, 1,2-	--	1.7 UJ	63 U	0.0064 U
Dichloropropene, cis-1,3-	--	1.7 UJ	63 U	0.0064 U
Dichloropropene, trans-1,3-	--	1.7 UJ	63 U	0.0064 U
Ethylbenzene	1	**1.8 J**	**150**	0.0064 U
Hexanone, 2-	--	1.7 UJ	63 U	0.013 UJ
Methyl-2-pentanone, 4-	--	1.7 UJ	63 U	0.013 U
Methylene chloride	0.05	1.7 UJB	63 UJB	0.013 UJB
Styrene	--	1.7 UJ	**440**	0.0064 U
Tetrachloroethane, 1,1,2,2-	--	1.7 UJ	63 U	0.0064 UJ
Tetrachloroethene	1.3	1.7 UJ	63 U	0.0064 U
Toluene	0.7	**0.15 J**	**1,400**	**0.015**
Trichloroethane, 1,1,1-	0.68	1.7 UJ	63 U	0.0064 U
Trichloroethane, 1,1,2-	--	1.7 UJ	63 U	0.0064 U
Trichloroethene	0.47	1.7 UJ	63 U	0.0064 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	1.7 UJ	63 U	0.0064 U
Xylenes, Total	1.6	**1 J**	**1,700**	0.0064 U
Semivolatile Organic Compounds				
Acenaphthene	98	2.3 UJ	170 U	0.42 UJ
Acenaphthylene	100	2.3 UJ	170 U	0.42 U
Anthracene	100	2.3 UJ	170 U	0.42 U
Benzo(a)anthracene	1	2.3 UJ	170 U	0.42 U
Benzo(a)pyrene	1	2.3 UJ	170 U	0.42 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-39	CGSB-39	CGSB-39
Sample ID:		CGSB-39 (17.5-18)	CGSB-39 (27-27.5)	CGSB-39 (77-78)
Sample Interval (feet bgs):		17.50 to 18.00	27.00 to 27.50	77.00 to 78.00
Sample Interval (feet NAVD88):	Soil Cleanup	-3.17 to -3.67	-12.67 to -13.17	-62.67 to -63.67
Parameter Sample Date:	Objective[5]	2/3/2005	2/3/2005	2/3/2005
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	2.3 UJ	170 U	0.42 U
Benzo(g,h,i)perylene	100	2.3 UJ	170 U	0.42 U
Benzo(k)fluoranthene	1.7	2.3 UJ	170 U	0.42 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	2.3 UJ	170 U	0.42 U
Bis(2-chloroethoxy)methane	--	2.3 UJ	170 U	0.42 U
Bis(2-chloroethyl)ether	--	2.3 UJ	170 U	0.42 U
Bis(2-ethylhexyl)phthalate	--	2.3 UJ	170 U	0.42 U
Bromophenyl phenyl ether, 4-	--	2.3 UJ	170 U	0.42 U
Butyl benzyl phthalate	--	2.3 UJ	170 UJ	0.42 UJ
Carbazole	--	2.3 UJ	170 U	0.42 U
Chloro-3-methylphenol, 4-	--	2.3 UJ	170 U	0.42 UJ
Chloroaniline, 4-	--	2.3 UJ	170 U	0.42 U
Chloronaphthalene, 2-	--	2.3 UJ	170 U	0.42 U
Chlorophenol, 2-	--	2.3 UJ	170 U	0.42 UJ
Chlorophenyl phenyl ether, 4-	--	2.3 UJ	170 U	0.42 U
Chrysene	1	2.3 UJ	170 U	0.42 U
Dibenzo(a,h)anthracene	0.33	2.3 UJ	170 U	0.42 U
Dibenzofuran	59	2.3 UJ	170 U	0.42 U
Dichlorobenzene, 1,2-	1.1	2.3 UJ	170 U	0.42 U
Dichlorobenzene, 1,3-	2.4	2.3 UJ	170 U	0.42 U
Dichlorobenzene, 1,4-	1.8	2.3 UJ	170 U	0.42 UJ
Dichlorobenzidine, 3,3-	--	4.6 UJ	330 U	0.84 U
Dichlorophenol, 2,4-	--	2.3 UJ	170 U	0.42 U
Diethyl phthalate	--	2.3 UJ	170 U	0.42 U
Dimethylphenol, 2,4-	--	2.3 UJ	170 U	0.42 UJ
Dimethyl phthalate	--	2.3 UJ	170 U	0.42 U
Di-n-butyl phthalate	--	2.3 UJ	170 U	0.42 UJ
Di-n-octyl phthalate	--	2.3 UJ	170 U	0.42 U
Dinitro-2-methylphenol, 4,6-	--	11 UJ	800 U	2.0 U
Dinitrophenol, 2,4-	--	R	800 U	2.0 U
Dinitrotoluene, 2,4-	--	2.3 UJ	170 U	0.42 U
Dinitrotoluene, 2,6-	--	2.3 UJ	170 U	0.42 U
Fluoranthene	100	2.3 UJ	170 U	0.42 U
Fluorene	100	2.3 UJ	170 U	0.42 U
Hexachlorobenzene	1.2	2.3 UJ	170 U	0.42 U
Hexachlorobutadiene	--	2.3 UJ	170 U	0.42 U
Hexachlorocyclopentadiene	--	2.3 UJ	170 U	0.42 U
Hexachloroethane	--	2.3 UJ	170 U	0.42 U
Indeno(1,2,3-cd)pyrene	0.5	2.3 UJ	170 U	0.42 U
Isophorone	--	2.3 UJ	170 U	0.42 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Sample Interval (feet bgs): / Sample Interval (feet NAVD88): / Parameter / Sample Date:	Soil Cleanup Objective[5]	Remedial Investigation		
		CGSB-39	CGSB-39	CGSB-39
		CGSB-39 (17.5-18)	CGSB-39 (27-27.5)	CGSB-39 (77-78)
		17.50 to 18.00	27.00 to 27.50	77.00 to 78.00
		-3.17 to -3.67	-12.67 to -13.17	-62.67 to -63.67
		2/3/2005	2/3/2005	2/3/2005
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	2.3 UJ	**110 J**	0.42 U
Methylphenol, 2-	0.33	2.3 UJ	170 U	0.42 U
Methylphenol, 4-	0.33	2.3 UJ	170 U	0.42 U
Naphthalene	12	2.3 UJ	**870**	**0.095 J**
Nitroaniline, 2-	--	11 UJ	800 U	2.0 UJ
Nitroaniline, 3-	--	11 UJ	800 U	2.0 U
Nitroaniline, 4-	--	4.6 UJ	330 U	0.84 U
Nitrobenzene	--	2.3 UJ	170 U	0.42 UJ
Nitrophenol, 2-	--	2.3 UJ	170 U	0.42 U
Nitrophenol, 4-	--	11 UJ	800 U	2.0 UJ
N-Nitrosodi-n-propylamine	--	2.3 UJ	170 U	0.42 UJ
N-Nitrosodiphenylamine	--	2.3 UJ	170 U	0.42 U
Oxybis(1-chloropropane), 2,2'-	--	2.3 UJ	170 U	0.42 UJ
Pentachlorophenol	0.8	11 UJ	800 U	2.0 UJ
Phenanthrene	100	2.3 UJ	170 U	0.42 U
Phenol	0.33	2.3 UJ	170 U	0.42 UJ
Pyrene	100	2.3 UJ	170 U	0.42 U
Trichlorobenzene, 1,2,4-	--	2.3 UJ	170 U	0.42 UJ
Trichlorophenol, 2,4,5-	--	11 UJ	800 U	2.0 U
Trichlorophenol, 2,4,6-	--	2.3 UJ	170 U	0.42 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Parameter	Soil Cleanup Objective[5]	Remedial Investigation		
Investigation:		Remedial Investigation		
Location ID:		CGSB-39	CGSB-39	CGSB-39
Sample ID:		CGSB-39 (17.5-18)	CGSB-39 (27-27.5)	CGSB-39 (77-78)
Sample Interval (feet bgs):		17.50 to 18.00	27.00 to 27.50	77.00 to 78.00
Sample Interval (feet NAVD88):		-3.17 to -3.67	-12.67 to -13.17	-62.67 to -63.67
Sample Date:		2/3/2005	2/3/2005	2/3/2005
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**7.40 J**	**3.80 J**	12.5 U
Barium	400	**41.7 J**	**15.5 J**	**24.2 J**
Cadmium	4.3	12.8 UJ	4.70 U	4.70 U
Chromium	19	**18.8 J**	**7.20**	**6.80**
Lead	400	38.4 UBN	14.0 UBN	14.1 UBN
Mercury	0.73	0.160 UJ	0.0590 U	0.0590 U
Selenium	4	68.3 UJ	24.9 U	25.1 U
Silver	8.3	12.8 UJ	4.70 U	4.70 U
Cyanide				
Cyanide, Total	27	**0.18 J**	**0.17 J**	0.62 U
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-42	CGSB-42	CGSB-42
Sample ID:		CGSB-42 (25-26)	CGSB-42 (40-40.5)	CGSB-42 (55.5-56)
Sample Interval (feet bgs):		25.00 to 26.00	40.00 to 40.50	55.50 to 56.00
Sample Interval (feet NAVD88):	Soil Cleanup	-8.65 to -9.65	-23.65 to -24.15	-39.15 to -39.65
Parameter Sample Date:	Objective[5]	12/17/2004	12/17/2004	12/17/2004
Volatile Organic Compounds				
Acetone	0.05	7.5 UJ	0.011 UJ	0.013 UJB
Benzene	0.06	**29 J**	**0.0061**	0.0063 U
Bromodichloromethane	--	3.0 UJ	0.0056 U	0.0063 U
Bromoform	--	3.0 UJ	0.0056 U	0.0063 U
Bromomethane	--	3.0 UJ	0.0056 UJ	0.0063 UJ
Butanone, 2-	0.12	**0.98 J**	0.011 U	0.013 U
Carbon disulfide	--	3.0 UJ	0.0056 U	0.0063 U
Carbon tetrachloride	0.76	3.0 UJ	0.0056 U	0.0063 U
Chlorobenzene	1.1	3.0 UJ	0.0056 U	0.0063 U
Chloroethane	--	3.0 UJ	0.0056 U	0.0063 UJ
Chloroform	0.37	3.0 UJ	0.0056 U	0.0063 U
Chloromethane	--	3.0 UJ	0.0056 U	0.0063 U
Dibromochloromethane	--	3.0 UJ	0.0056 U	0.0063 U
Dichloroethane, 1,1-	0.27	3.0 UJ	0.0056 U	0.0063 U
Dichloroethane, 1,2-	0.02	3.0 UJ	0.0056 U	0.0063 U
Dichloroethene, 1,1-	0.33	3.0 UJ	0.0056 U	0.0063 U
Dichloroethene, cis-1,2-	0.25	3.0 UJ	0.0056 U	0.0063 U
Dichloroethene, trans-1,2-	0.19	3.0 UJ	0.0056 U	0.0063 U
Dichloropropane, 1,2-	--	3.0 UJ	0.0056 U	0.0063 U
Dichloropropene, cis-1,3-	--	3.0 UJ	0.0056 U	0.0063 U
Dichloropropene, trans-1,3-	--	3.0 UJ	0.0056 U	0.0063 U
Ethylbenzene	1	**65 J**	0.0056 U	0.0063 U
Hexanone, 2-	--	3.0 UJ	0.011 UJ	0.013 U
Methyl-2-pentanone, 4-	--	3.0 UJ	0.011 U	0.013 U
Methylene chloride	0.05	3.0 UJB	0.0056 UJ	0.0063 U
Styrene	--	3.0 UJ	0.0056 U	0.0063 U
Tetrachloroethane, 1,1,2,2-	--	3.0 UJ	0.0056 UJ	0.0063 U
Tetrachloroethene	1.3	3.0 UJ	0.0056 U	0.0063 U
Toluene	0.7	**41 J**	0.0056 U	0.0063 U
Trichloroethane, 1,1,1-	0.68	3.0 UJ	0.0056 U	0.0063 U
Trichloroethane, 1,1,2-	--	3.0 UJ	0.0056 U	0.0063 U
Trichloroethene	0.47	3.0 UJ	0.0056 U	0.0063 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	3.0 UJ	0.0056 U	0.0063 U
Xylenes, Total	1.6	**81 J**	0.0056 U	0.0063 U
Semivolatile Organic Compounds				
Acenaphthene	98	1.9 UJ	0.37 U	0.40 U
Acenaphthylene	100	1.9 UJ	0.37 U	0.40 U
Anthracene	100	1.9 UJ	0.37 U	0.40 U
Benzo(a)anthracene	1	1.9 UJ	0.37 U	0.40 U
Benzo(a)pyrene	1	1.9 UJ	0.37 U	0.40 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-42	CGSB-42	CGSB-42
Sample ID:		CGSB-42 (25-26)	CGSB-42 (40-40.5)	CGSB-42 (55.5-56)
Sample Interval (feet bgs):		25.00 to 26.00	40.00 to 40.50	55.50 to 56.00
Sample Interval (feet NAVD88):	Soil Cleanup	-8.65 to -9.65	-23.65 to -24.15	-39.15 to -39.65
Parameter Sample Date:	Objective[5]	12/17/2004	12/17/2004	12/17/2004
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	1.9 UJ	0.37 U	0.40 U
Benzo(g,h,i)perylene	100	1.9 UJ	0.37 U	0.40 U
Benzo(k)fluoranthene	1.7	1.9 UJ	0.37 U	0.40 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	1.9 UJ	0.37 U	0.40 U
Bis(2-chloroethoxy)methane	--	1.9 UJ	0.37 U	0.40 U
Bis(2-chloroethyl)ether	--	1.9 UJ	0.37 U	0.40 U
Bis(2-ethylhexyl)phthalate	--	1.9 UJ	0.37 U	0.40 U
Bromophenyl phenyl ether, 4-	--	1.9 UJ	0.37 U	0.40 U
Butyl benzyl phthalate	--	1.9 UJ	0.37 U	0.40 U
Carbazole	--	1.9 UJ	0.37 U	0.40 U
Chloro-3-methylphenol, 4-	--	1.9 UJ	0.37 U	0.40 U
Chloroaniline, 4-	--	1.9 UJ	0.37 U	0.40 U
Chloronaphthalene, 2-	--	1.9 UJ	0.37 U	0.40 U
Chlorophenol, 2-	--	1.9 UJ	0.37 U	0.40 U
Chlorophenyl phenyl ether, 4-	--	1.9 UJ	0.37 U	0.40 U
Chrysene	1	1.9 UJ	0.37 U	0.40 U
Dibenzo(a,h)anthracene	0.33	1.9 UJ	0.37 U	0.40 U
Dibenzofuran	59	1.9 UJ	0.37 U	0.40 U
Dichlorobenzene, 1,2-	1.1	1.9 UJ	0.37 U	0.40 U
Dichlorobenzene, 1,3-	2.4	1.9 UJ	0.37 U	0.40 U
Dichlorobenzene, 1,4-	1.8	1.9 UJ	0.37 U	0.40 U
Dichlorobenzidine, 3,3-	--	3.9 UJ	0.74 U	0.79 U
Dichlorophenol, 2,4-	--	1.9 UJ	0.37 U	0.40 U
Diethyl phthalate	--	1.9 UJ	0.37 U	0.40 U
Dimethylphenol, 2,4-	--	1.9 UJ	0.37 U	0.40 U
Dimethyl phthalate	--	1.9 UJ	0.37 U	0.40 U
Di-n-butyl phthalate	--	1.9 UJ	0.37 U	0.40 U
Di-n-octyl phthalate	--	1.9 UJ	0.37 U	0.40 U
Dinitro-2-methylphenol, 4,6-	--	9.4 UJ	1.8 U	1.9 U
Dinitrophenol, 2,4-	--	9.4 UJ	1.8 U	1.9 U
Dinitrotoluene, 2,4-	--	1.9 UJ	0.37 U	0.40 U
Dinitrotoluene, 2,6-	--	1.9 UJ	0.37 U	0.40 U
Fluoranthene	100	1.9 UJ	0.37 U	0.40 U
Fluorene	100	1.9 UJ	0.37 U	0.40 U
Hexachlorobenzene	1.2	1.9 UJ	0.37 U	0.40 U
Hexachlorobutadiene	--	1.9 UJ	0.37 U	0.40 U
Hexachlorocyclopentadiene	--	1.9 UJ	0.37 U	0.40 U
Hexachloroethane	--	1.9 UJ	0.37 U	0.40 U
Indeno(1,2,3-cd)pyrene	0.5	1.9 UJ	0.37 U	0.40 U
Isophorone	--	1.9 UJ	0.37 U	0.40 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-42	CGSB-42	CGSB-42
Sample ID:		CGSB-42 (25-26)	CGSB-42 (40-40.5)	CGSB-42 (55.5-56)
Sample Interval (feet bgs):		25.00 to 26.00	40.00 to 40.50	55.50 to 56.00
Sample Interval (feet NAVD88):	Soil Cleanup	-8.65 to -9.65	-23.65 to -24.15	-39.15 to -39.65
Parameter / Sample Date:	Objective[5]	12/17/2004	12/17/2004	12/17/2004
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	1.9 UJ	0.37 U	0.40 U
Methylphenol, 2-	0.33	1.9 UJ	0.37 U	0.40 U
Methylphenol, 4-	0.33	1.9 UJ	0.37 U	0.40 U
Naphthalene	12	**11 J**	**0.53**	0.40 U
Nitroaniline, 2-	--	9.4 UJ	1.8 U	1.9 U
Nitroaniline, 3-	--	9.4 UJ	1.8 U	1.9 U
Nitroaniline, 4-	--	3.9 UJ	0.74 U	0.79 U
Nitrobenzene	--	1.9 UJ	0.37 U	0.40 U
Nitrophenol, 2-	--	1.9 UJ	0.37 U	0.40 U
Nitrophenol, 4-	--	9.4 UJ	1.8 U	1.9 U
N-Nitrosodi-n-propylamine	--	1.9 UJ	0.37 U	0.40 U
N-Nitrosodiphenylamine	--	1.9 UJ	0.37 U	0.40 U
Oxybis(1-chloropropane), 2,2'-	--	1.9 UJ	0.37 U	0.40 U
Pentachlorophenol	0.8	9.4 UJ	1.8 U	1.9 U
Phenanthrene	100	1.9 UJ	0.37 U	0.40 U
Phenol	0.33	1.9 UJ	0.37 U	0.40 U
Pyrene	100	1.9 UJ	0.37 U	0.40 U
Trichlorobenzene, 1,2,4-	--	1.9 UJ	0.37 U	0.40 U
Trichlorophenol, 2,4,5-	--	9.4 UJ	1.8 U	1.9 U
Trichlorophenol, 2,4,6-	--	1.9 UJ	0.37 U	0.40 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-42	CGSB-42	CGSB-42
Sample ID:		CGSB-42 (25-26)	CGSB-42 (40-40.5)	CGSB-42 (55.5-56)
Sample Interval (feet bgs):		25.00 to 26.00	40.00 to 40.50	55.50 to 56.00
Sample Interval (feet NAVD88):	Soil Cleanup	-8.65 to -9.65	-23.65 to -24.15	-39.15 to -39.65
Parameter / Sample Date:	Objective[5]	12/17/2004	12/17/2004	12/17/2004
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**15.1 J**	**2.20 J**	12.7 U
Barium	400	**18.6 J**	**52.2 J**	**22.8 J**
Cadmium	4.3	11.1 UJ	4.00 U	4.80 U
Chromium	19	**14.0 J**	**8.30**	**4.60 B**
Lead	400	**6.50 J**	**7.10 B**	**2.40 J**
Mercury	0.73	0.0390 UJ	0.0120 U	0.0130 U
Selenium	4	59.5 UJ	21.2 U	25.3 U
Silver	8.3	11.1 UJ	4.00 U	4.80 U
Cyanide				
Cyanide, Total	27	1.5 UJ	0.55 UJ	0.62 UJ
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-43	CGSB-43	CGSB-43
Sample ID:		CGSB-43 (19.5-20)	CGSB-43 (57-57.5)	CGSB-43 (101.5-102)
Sample Interval (feet bgs):		19.50 to 20.00	57.00 to 57.50	101.50 to 102.00
Sample Interval (feet NAVD88):	Soil Cleanup	-10.11 to -10.61	-47.61 to -48.11	-92.11 to 7.39
Parameter Sample Date:	Objective[5]	12/16/2004	12/16/2004	12/16/2004
Volatile Organic Compounds				
Acetone	0.05	0.017 UB	0.012 UJB	0.012 UJB
Benzene	0.06	0.0085 U	**0.0071**	0.0058 U
Bromodichloromethane	--	0.0085 U	0.0062 U	0.0058 U
Bromoform	--	0.0085 U	0.0062 U	0.0058 U
Bromomethane	--	0.0085 UJ	0.0062 UJ	0.0058 UJ
Butanone, 2-	0.12	0.017 U	0.012 UJ	0.012 UJ
Carbon disulfide	--	**0.0099**	0.0062 U	0.0058 U
Carbon tetrachloride	0.76	0.0085 U	0.0062 U	0.0058 U
Chlorobenzene	1.1	0.0085 U	0.0062 U	0.0058 UJ
Chloroethane	--	0.0085 UJ	0.0062 UJ	0.0058 U
Chloroform	0.37	0.0085 U	0.0062 U	0.0058 U
Chloromethane	--	0.0085 U	0.0062 U	0.0058 U
Dibromochloromethane	--	0.0085 U	0.0062 U	0.0058 U
Dichloroethane, 1,1-	0.27	0.0085 U	0.0062 U	0.0058 U
Dichloroethane, 1,2-	0.02	0.0085 U	0.0062 U	0.0058 U
Dichloroethene, 1,1-	0.33	0.0085 U	0.0062 U	0.0058 U
Dichloroethene, cis-1,2-	0.25	0.0085 U	0.0062 U	0.0058 U
Dichloroethene, trans-1,2-	0.19	0.0085 U	0.0062 U	0.0058 U
Dichloropropane, 1,2-	--	0.0085 U	0.0062 U	0.0058 U
Dichloropropene, cis-1,3-	--	0.0085 U	0.0062 U	0.0058 U
Dichloropropene, trans-1,3-	--	0.0085 U	0.0062 U	0.0058 U
Ethylbenzene	1	0.0085 U	**0.016**	0.0058 U
Hexanone, 2-	--	0.017 U	0.012 U	0.012 U
Methyl-2-pentanone, 4-	--	0.017 U	0.012 U	0.012 U
Methylene chloride	0.05	0.0085 U	0.0062 U	0.0058 U
Styrene	--	0.0085 U	R	R
Tetrachloroethane, 1,1,2,2-	--	0.0085 U	0.0062 U	0.0058 U
Tetrachloroethene	1.3	0.0085 U	0.0062 U	0.0058 U
Toluene	0.7	0.0085 U	0.0062 U	0.0058 U
Trichloroethane, 1,1,1-	0.68	0.0085 U	0.0062 U	0.0058 U
Trichloroethane, 1,1,2-	--	0.0085 U	0.0062 U	0.0058 U
Trichloroethene	0.47	0.0085 U	0.0062 U	0.0058 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0085 U	0.0062 U	0.0058 U
Xylenes, Total	1.6	0.0085 U	**0.0065**	0.0058 U
Semivolatile Organic Compounds				
Acenaphthene	98	1.1 U	0.41 U	0.37 U
Acenaphthylene	100	1.1 U	**0.13 J**	0.37 U
Anthracene	100	1.1 U	0.41 U	0.37 U
Benzo(a)anthracene	1	1.1 U	0.41 U	0.37 U
Benzo(a)pyrene	1	1.1 U	0.41 U	0.37 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-43	CGSB-43	CGSB-43
Sample ID:		CGSB-43 (19.5-20)	CGSB-43 (57-57.5)	CGSB-43 (101.5-102)
Sample Interval (feet bgs):		19.50 to 20.00	57.00 to 57.50	101.50 to 102.00
Sample Interval (feet NAVD88):	Soil Cleanup	-10.11 to -10.61	-47.61 to -48.11	-92.11 to 7.39
Parameter Sample Date:	Objective[5]	12/16/2004	12/16/2004	12/16/2004
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	1.1 U	0.41 U	0.37 U
Benzo(g,h,i)perylene	100	1.1 U	0.41 U	0.37 U
Benzo(k)fluoranthene	1.7	1.1 U	0.41 U	0.37 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	1.1 U	0.41 U	0.37 U
Bis(2-chloroethoxy)methane	--	1.1 U	0.41 U	0.37 U
Bis(2-chloroethyl)ether	--	1.1 U	0.41 U	0.37 U
Bis(2-ethylhexyl)phthalate	--	1.1 U	0.41 U	0.37 U
Bromophenyl phenyl ether, 4-	--	1.1 U	0.41 U	0.37 U
Butyl benzyl phthalate	--	1.1 U	0.41 U	0.37 U
Carbazole	--	1.1 U	0.41 U	0.37 U
Chloro-3-methylphenol, 4-	--	1.1 U	0.41 U	0.37 U
Chloroaniline, 4-	--	1.1 U	0.41 U	0.37 U
Chloronaphthalene, 2-	--	1.1 U	0.41 U	0.37 U
Chlorophenol, 2-	--	1.1 U	0.41 U	0.37 U
Chlorophenyl phenyl ether, 4-	--	1.1 U	0.41 U	0.37 U
Chrysene	1	1.1 U	0.41 U	0.37 U
Dibenzo(a,h)anthracene	0.33	1.1 U	0.41 U	0.37 U
Dibenzofuran	59	1.1 U	0.41 U	0.37 U
Dichlorobenzene, 1,2-	1.1	1.1 U	0.41 U	0.37 U
Dichlorobenzene, 1,3-	2.4	1.1 U	0.41 U	0.37 U
Dichlorobenzene, 1,4-	1.8	1.1 U	0.41 U	0.37 U
Dichlorobenzidine, 3,3-	--	2.3 U	0.82 U	0.75 U
Dichlorophenol, 2,4-	--	1.1 U	0.41 U	0.37 U
Diethyl phthalate	--	1.1 U	0.41 U	0.37 U
Dimethylphenol, 2,4-	--	1.1 U	0.41 U	0.37 U
Dimethyl phthalate	--	1.1 U	0.41 U	0.37 U
Di-n-butyl phthalate	--	1.1 U	0.41 U	0.37 U
Di-n-octyl phthalate	--	1.1 U	0.41 U	0.37 U
Dinitro-2-methylphenol, 4,6-	--	5.5 U	2.0 U	1.8 U
Dinitrophenol, 2,4-	--	5.5 U	2.0 U	1.8 U
Dinitrotoluene, 2,4-	--	1.1 U	0.41 U	0.37 U
Dinitrotoluene, 2,6-	--	1.1 U	0.41 U	0.37 U
Fluoranthene	100	1.1 U	0.41 U	0.37 U
Fluorene	100	1.1 U	0.41 U	0.37 U
Hexachlorobenzene	1.2	1.1 U	0.41 U	0.37 U
Hexachlorobutadiene	--	1.1 U	0.41 U	0.37 U
Hexachlorocyclopentadiene	--	1.1 UJ	0.41 U	0.37 UJ
Hexachloroethane	--	1.1 U	0.41 U	0.37 U
Indeno(1,2,3-cd)pyrene	0.5	1.1 U	0.41 U	0.37 U
Isophorone	--	1.1 U	0.41 U	0.37 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-43	CGSB-43	CGSB-43
Sample ID:		CGSB-43 (19.5-20)	CGSB-43 (57-57.5)	CGSB-43 (101.5-102)
Sample Interval (feet bgs):		19.50 to 20.00	57.00 to 57.50	101.50 to 102.00
Sample Interval (feet NAVD88):	Soil Cleanup	-10.11 to -10.61	-47.61 to -48.11	-92.11 to 7.39
Parameter / Sample Date:	Objective[5]	12/16/2004	12/16/2004	12/16/2004
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	1.1 U	**0.085 J**	0.37 U
Methylphenol, 2-	0.33	1.1 U	0.41 U	0.37 U
Methylphenol, 4-	0.33	1.1 U	0.41 U	0.37 U
Naphthalene	12	1.1 U	**1.1**	0.37 U
Nitroaniline, 2-	--	5.5 U	2.0 U	1.8 U
Nitroaniline, 3-	--	5.5 U	2.0 U	1.8 U
Nitroaniline, 4-	--	2.3 U	0.82 U	0.75 U
Nitrobenzene	--	1.1 U	0.41 U	0.37 U
Nitrophenol, 2-	--	1.1 U	0.41 U	0.37 U
Nitrophenol, 4-	--	5.5 U	2.0 U	1.8 U
N-Nitrosodi-n-propylamine	--	1.1 U	0.41 U	0.37 U
N-Nitrosodiphenylamine	--	1.1 U	0.41 U	0.37 U
Oxybis(1-chloropropane), 2,2'-	--	1.1 U	0.41 U	0.37 U
Pentachlorophenol	0.8	5.5 U	2.0 U	1.8 U
Phenanthrene	100	1.1 U	0.41 U	0.37 U
Phenol	0.33	1.1 U	0.41 U	0.37 U
Pyrene	100	1.1 U	0.41 U	0.37 U
Trichlorobenzene, 1,2,4-	--	1.1 U	0.41 U	0.37 U
Trichlorophenol, 2,4,5-	--	5.5 U	2.0 U	1.8 U
Trichlorophenol, 2,4,6-	--	1.1 U	0.41 U	0.37 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Parameter	Soil Cleanup Objective[5]	Remedial Investigation		
Investigation:		Remedial Investigation		
Location ID:		CGSB-43	CGSB-43	CGSB-43
Sample ID:		CGSB-43 (19.5-20)	CGSB-43 (57-57.5)	CGSB-43 (101.5-102)
Sample Interval (feet bgs):		19.50 to 20.00	57.00 to 57.50	101.50 to 102.00
Sample Interval (feet NAVD88):		-10.11 to -10.61	-47.61 to -48.11	-92.11 to 7.39
Sample Date:		12/16/2004	12/16/2004	12/16/2004
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**10.1 J**	11.2 U	**1.50 J**
Barium	400	**32.6 J**	**16.9 J**	**23.0 J**
Cadmium	4.3	3.90 U	4.20 U	2.80 U
Chromium	19	**38.3**	**7.10**	**7.70**
Lead	400	**16.8**	**4.10 B**	**3.30 B**
Mercury	0.73	**0.0320 B**	0.0120 U	0.0130 U
Selenium	4	20.9 U	22.5 U	14.8 U
Silver	8.3	3.90 U	4.20 U	2.80 U
Cyanide				
Cyanide, Total	27	0.85 UJ	0.62 UJ	0.59 UJ
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-44	CGSB-44	CGSB-44
Sample ID:		CGSB-44 (32.5-33)	CGSB-44 (45-45.5)	CGSB-44 (98.5-99)
Sample Interval (feet bgs):		32.50 to 33.00	45.00 to 45.50	98.50 to 99.00
Sample Interval (feet NAVD88):	Soil Cleanup	-26.64 to -27.14	-39.14 to -39.64	-92.64 to -93.14
Parameter / Sample Date:	Objective[5]	12/14/2004	12/14/2004	12/14/2004
Volatile Organic Compounds				
Acetone	0.05	15 U	74 U	0.012 UJ
Benzene	0.06	**3.6 J**	**17 J**	0.0059 U
Bromodichloromethane	--	5.9 U	29 U	0.0059 U
Bromoform	--	5.9 U	29 U	0.0059 U
Bromomethane	--	5.9 U	29 U	0.0059 U
Butanone, 2-	0.12	**2.2 J**	**7.9 J**	0.012 U
Carbon disulfide	--	5.9 U	29 U	0.0059 U
Carbon tetrachloride	0.76	5.9 U	29 U	0.0059 U
Chlorobenzene	1.1	5.9 U	29 U	0.0059 U
Chloroethane	--	5.9 U	R	0.0059 UJ
Chloroform	0.37	5.9 U	29 U	0.0059 U
Chloromethane	--	5.9 UJ	29 U	0.0059 U
Dibromochloromethane	--	5.9 U	29 U	0.0059 U
Dichloroethane, 1,1-	0.27	5.9 U	29 U	0.0059 U
Dichloroethane, 1,2-	0.02	5.9 U	29 U	0.0059 U
Dichloroethene, 1,1-	0.33	5.9 U	29 U	0.0059 U
Dichloroethene, cis-1,2-	0.25	5.9 U	29 U	0.0059 U
Dichloroethene, trans-1,2-	0.19	5.9 U	29 U	0.0059 U
Dichloropropane, 1,2-	--	5.9 U	29 U	0.0059 U
Dichloropropene, cis-1,3-	--	5.9 U	29 U	0.0059 U
Dichloropropene, trans-1,3-	--	5.9 U	29 U	0.0059 U
Ethylbenzene	1	**67**	**280**	0.0059 U
Hexanone, 2-	--	5.9 UJ	29 U	0.012 UJ
Methyl-2-pentanone, 4-	--	5.9 U	29 U	0.012 UJ
Methylene chloride	0.05	5.9 UJB	29 UJ	0.0059 U
Styrene	--	5.9 U	**13 J**	0.0059 U
Tetrachloroethane, 1,1,2,2-	--	5.9 U	29 U	0.0059 UJ
Tetrachloroethene	1.3	5.9 U	29 U	0.0059 U
Toluene	0.7	5.9 UJB	**59 B**	**0.0037 J**
Trichloroethane, 1,1,1-	0.68	5.9 U	29 U	0.0059 U
Trichloroethane, 1,1,2-	--	5.9 U	29 U	0.0059 U
Trichloroethene	0.47	5.9 U	29 U	0.0059 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	5.9 U	29 U	0.0059 U
Xylenes, Total	1.6	**75**	**300**	0.0059 U
Semivolatile Organic Compounds				
Acenaphthene	98	**290**	**890 J**	0.38 U
Acenaphthylene	100	**49 J**	**960 J**	0.38 U
Anthracene	100	**130 J**	**690 J**	**0.066 J**
Benzo(a)anthracene	1	**64 J**	**380 J**	0.38 U
Benzo(a)pyrene	1	**46 J**	**270 J**	0.38 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-44	CGSB-44	CGSB-44
Sample ID:		CGSB-44 (32.5-33)	CGSB-44 (45-45.5)	CGSB-44 (98.5-99)
Sample Interval (feet bgs):		32.50 to 33.00	45.00 to 45.50	98.50 to 99.00
Sample Interval (feet NAVD88):	Soil Cleanup	-26.64 to -27.14	-39.14 to -39.64	-92.64 to -93.14
Parameter Sample Date:	Objective[5]	12/14/2004	12/14/2004	12/14/2004
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	190 U	1,200 U	0.38 U
Benzo(g,h,i)perylene	100	190 U	1,200 U	0.38 U
Benzo(k)fluoranthene	1.7	190 U	**170 J**	0.38 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	190 U	1,200 U	0.38 U
Bis(2-chloroethoxy)methane	--	190 U	1,200 U	0.38 U
Bis(2-chloroethyl)ether	--	190 U	1,200 U	0.38 U
Bis(2-ethylhexyl)phthalate	--	190 U	1,200 U	0.38 U
Bromophenyl phenyl ether, 4-	--	190 U	1,200 U	0.38 U
Butyl benzyl phthalate	--	190 U	1,200 U	0.38 U
Carbazole	--	190 U	1,200 U	0.38 U
Chloro-3-methylphenol, 4-	--	190 U	1,200 U	0.38 U
Chloroaniline, 4-	--	190 U	1,200 U	0.38 U
Chloronaphthalene, 2-	--	190 U	1,200 U	0.38 U
Chlorophenol, 2-	--	190 U	1,200 U	0.38 U
Chlorophenyl phenyl ether, 4-	--	190 U	1,200 U	0.38 U
Chrysene	1	**62 J**	**350 J**	0.38 U
Dibenzo(a,h)anthracene	0.33	190 U	1,200 U	0.38 U
Dibenzofuran	59	190 U	1,200 U	0.38 U
Dichlorobenzene, 1,2-	1.1	190 U	1,200 U	0.38 U
Dichlorobenzene, 1,3-	2.4	190 U	1,200 U	0.38 U
Dichlorobenzene, 1,4-	1.8	190 U	1,200 U	0.38 U
Dichlorobenzidine, 3,3-	--	380 U	2,400 U	0.76 U
Dichlorophenol, 2,4-	--	190 U	1,200 U	0.38 U
Diethyl phthalate	--	190 U	1,200 U	0.38 U
Dimethylphenol, 2,4-	--	190 U	1,200 U	0.38 U
Dimethyl phthalate	--	190 U	1,200 U	0.38 U
Di-n-butyl phthalate	--	190 U	1,200 U	0.38 U
Di-n-octyl phthalate	--	190 U	1,200 U	0.38 U
Dinitro-2-methylphenol, 4,6-	--	930 U	5,800 U	1.8 U
Dinitrophenol, 2,4-	--	930 U	5,800 U	1.8 U
Dinitrotoluene, 2,4-	--	190 U	1,200 U	0.38 U
Dinitrotoluene, 2,6-	--	190 U	1,200 U	0.38 U
Fluoranthene	100	**130 J**	**690 J**	**0.072 J**
Fluorene	100	**160 J**	**800 J**	0.38 U
Hexachlorobenzene	1.2	190 U	1,200 U	0.38 U
Hexachlorobutadiene	--	190 U	1,200 U	0.38 U
Hexachlorocyclopentadiene	--	190 UJ	1,200 UJ	0.38 UJ
Hexachloroethane	--	190 U	1,200 U	0.38 U
Indeno(1,2,3-cd)pyrene	0.5	190 U	1,200 U	0.38 U
Isophorone	--	190 U	1,200 U	0.38 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-44	CGSB-44	CGSB-44
Sample ID:		CGSB-44 (32.5-33)	CGSB-44 (45-45.5)	CGSB-44 (98.5-99)
Sample Interval (feet bgs):		32.50 to 33.00	45.00 to 45.50	98.50 to 99.00
Sample Interval (feet NAVD88):	Soil Cleanup	-26.64 to -27.14	-39.14 to -39.64	-92.64 to -93.14
Parameter / Sample Date:	Objective[5]	12/14/2004	12/14/2004	12/14/2004
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	**540**	**2,900**	**0.093 J**
Methylphenol, 2-	0.33	190 U	1,200 U	0.38 U
Methylphenol, 4-	0.33	190 U	1,200 U	0.38 U
Naphthalene	12	**890**	**5,300**	**0.13 J**
Nitroaniline, 2-	--	930 U	5,800 U	1.8 U
Nitroaniline, 3-	--	930 U	5,800 U	1.8 U
Nitroaniline, 4-	--	380 U	2,400 U	0.76 U
Nitrobenzene	--	190 U	1,200 U	0.38 U
Nitrophenol, 2-	--	190 U	1,200 U	0.38 U
Nitrophenol, 4-	--	930 U	5,800 U	1.8 U
N-Nitrosodi-n-propylamine	--	190 U	1,200 U	0.38 U
N-Nitrosodiphenylamine	--	190 U	1,200 U	0.38 U
Oxybis(1-chloropropane), 2,2'-	--	190 U	1,200 U	0.38 U
Pentachlorophenol	0.8	930 U	5,800 U	1.8 U
Phenanthrene	100	**430**	**2,400**	**0.19 J**
Phenol	0.33	190 U	1,200 U	0.38 U
Pyrene	100	**190 J**	**1,100 J**	**0.094 J**
Trichlorobenzene, 1,2,4-	--	190 U	1,200 U	0.38 U
Trichlorophenol, 2,4,5-	--	930 U	5,800 U	1.8 U
Trichlorophenol, 2,4,6-	--	190 U	1,200 U	0.38 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-44	CGSB-44	CGSB-44
Sample ID:		CGSB-44 (32.5-33)	CGSB-44 (45-45.5)	CGSB-44 (98.5-99)
Sample Interval (feet bgs):		32.50 to 33.00	45.00 to 45.50	98.50 to 99.00
Sample Interval (feet NAVD88):	Soil Cleanup	-26.64 to -27.14	-39.14 to -39.64	-92.64 to -93.14
Parameter / Sample Date:	Objective[5]	12/14/2004	12/14/2004	12/14/2004
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**2.60 J**	**2.40 J**	**3.20 J**
Barium	400	**17.8 J**	**66.2**	**41.4 J**
Cadmium	4.3	3.20 U	3.00 U	4.30 U
Chromium	19	**8.70**	**5.30**	**18.9**
Lead	400	**3.60 B**	**2.00 B**	**16.3**
Mercury	0.73	0.0120 U	0.0140 U	0.00990 U
Selenium	4	17.3 U	16.1 U	22.7 U
Silver	8.3	3.20 U	3.00 U	4.30 U
Cyanide				
Cyanide, Total	27	0.57 UJ	0.57 UJ	0.56 UJ
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-44	CGSB-48	CGSB-48
Sample ID:		CGSB-XX 0-2_12_14_04	CGSB-48 (22-22.5)	CGSB-48 (33.5-34)
Sample Interval (feet bgs):		98.50 to 99.00	22.00 to 22.50	33.50 to 34.00
Sample Interval (feet NAVD88):		-92.64 to -93.14	-15.36 to -15.86	-26.86 to -27.36
Parameter / Sample Date:	Soil Cleanup Objective[5]	12/14/2004	1/21/2005	1/22/2005
Volatile Organic Compounds				
Acetone	0.05	0.012 UJ	28 U	30 U
Benzene	0.06	0.0059 U	**7.5 J**	**16**
Bromodichloromethane	--	0.0059 U	11 U	12 U
Bromoform	--	0.0059 U	11 U	12 U
Bromomethane	--	0.0059 U	11 U	12 U
Butanone, 2-	0.12	0.012 U	11 U	12 U
Carbon disulfide	--	0.0059 U	11 U	12 U
Carbon tetrachloride	0.76	0.0059 U	11 U	12 U
Chlorobenzene	1.1	0.0059 U	11 U	12 U
Chloroethane	--	0.0059 UJ	11 U	12 U
Chloroform	0.37	0.0059 U	11 U	12 U
Chloromethane	--	0.0059 U	11 U	12 U
Dibromochloromethane	--	0.0059 U	11 U	12 U
Dichloroethane, 1,1-	0.27	0.0059 U	11 U	12 U
Dichloroethane, 1,2-	0.02	0.0059 U	11 U	12 U
Dichloroethene, 1,1-	0.33	0.0059 U	11 U	12 U
Dichloroethene, cis-1,2-	0.25	0.0059 U	11 U	12 U
Dichloroethene, trans-1,2-	0.19	0.0059 U	11 U	12 U
Dichloropropane, 1,2-	--	0.0059 U	11 U	12 U
Dichloropropene, cis-1,3-	--	0.0059 U	11 U	12 U
Dichloropropene, trans-1,3-	--	0.0059 U	11 U	12 U
Ethylbenzene	1	0.0059 U	**67**	**120**
Hexanone, 2-	--	0.012 UJ	11 U	12 U
Methyl-2-pentanone, 4-	--	0.012 UJ	11 U	12 U
Methylene chloride	0.05	0.0059 U	11 UJB	12 UJB
Styrene	--	0.0059 U	**6.8 J**	12 U
Tetrachloroethane, 1,1,2,2-	--	0.0059 UJ	11 U	12 U
Tetrachloroethene	1.3	0.0059 U	11 UJ	12 UJ
Toluene	0.7	**0.0026 J**	**19 B**	**53 B**
Trichloroethane, 1,1,1-	0.68	0.0059 U	11 U	12 U
Trichloroethane, 1,1,2-	--	0.0059 U	11 U	12 U
Trichloroethene	0.47	0.0059 U	11 U	12 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0059 U	11 U	12 U
Xylenes, Total	1.6	0.0059 U	**90 J**	**110 J**
Semivolatile Organic Compounds				
Acenaphthene	98	0.38 U	**560 J**	**1,900**
Acenaphthylene	100	0.38 U	**530 J**	**430 J**
Anthracene	100	0.38 U	**550 J**	**1,100 J**
Benzo(a)anthracene	1	0.38 U	**290 J**	**570 J**
Benzo(a)pyrene	1	0.38 U	**200 J**	**370 J**

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-44	CGSB-48	CGSB-48
Sample ID:		CGSB-XX 0-2_12_14_04	CGSB-48 (22-22.5)	CGSB-48 (33.5-34)
Sample Interval (feet bgs):		98.50 to 99.00	22.00 to 22.50	33.50 to 34.00
Sample Interval (feet NAVD88):	Soil Cleanup	-92.64 to -93.14	-15.36 to -15.86	-26.86 to -27.36
Parameter / Sample Date:	Objective[5]	12/14/2004	1/21/2005	1/22/2005
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.38 U	600 U	1,500 U
Benzo(g,h,i)perylene	100	0.38 U	600 U	1,500 U
Benzo(k)fluoranthene	1.7	0.38 U	**110 J**	1,500 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.38 U	600 U	1,500 U
Bis(2-chloroethoxy)methane	--	0.38 U	600 U	1,500 U
Bis(2-chloroethyl)ether	--	0.38 U	600 U	1,500 U
Bis(2-ethylhexyl)phthalate	--	0.38 U	600 U	1,500 U
Bromophenyl phenyl ether, 4-	--	0.38 U	600 U	1,500 U
Butyl benzyl phthalate	--	0.38 U	600 U	1,500 U
Carbazole	--	0.38 U	600 U	1,500 U
Chloro-3-methylphenol, 4-	--	0.38 U	600 U	1,500 U
Chloroaniline, 4-	--	0.38 U	600 U	1,500 U
Chloronaphthalene, 2-	--	0.38 U	600 U	1,500 U
Chlorophenol, 2-	--	0.38 U	600 U	1,500 U
Chlorophenyl phenyl ether, 4-	--	0.38 U	600 U	1,500 U
Chrysene	1	0.38 U	**280 J**	**550 J**
Dibenzo(a,h)anthracene	0.33	0.38 U	600 U	1,500 U
Dibenzofuran	59	0.38 U	600 U	1,500 U
Dichlorobenzene, 1,2-	1.1	0.38 U	600 U	1,500 U
Dichlorobenzene, 1,3-	2.4	0.38 U	600 U	1,500 U
Dichlorobenzene, 1,4-	1.8	0.38 U	600 U	1,500 U
Dichlorobenzidine, 3,3-	--	0.76 U	1,200 U	3,000 U
Dichlorophenol, 2,4-	--	0.38 U	600 U	1,500 U
Diethyl phthalate	--	0.38 U	600 U	1,500 U
Dimethylphenol, 2,4-	--	0.38 U	600 U	1,500 U
Dimethyl phthalate	--	0.38 U	600 U	1,500 U
Di-n-butyl phthalate	--	0.38 U	600 U	1,500 U
Di-n-octyl phthalate	--	0.38 U	600 U	1,500 U
Dinitro-2-methylphenol, 4,6-	--	1.8 U	2,900 U	7,300 U
Dinitrophenol, 2,4-	--	1.8 U	2,900 U	7,300 U
Dinitrotoluene, 2,4-	--	0.38 U	600 U	1,500 U
Dinitrotoluene, 2,6-	--	0.38 U	600 U	1,500 U
Fluoranthene	100	0.38 U	**540 J**	**1,100 J**
Fluorene	100	0.38 U	**630**	**1,300 J**
Hexachlorobenzene	1.2	0.38 U	600 U	1,500 U
Hexachlorobutadiene	--	0.38 U	600 U	1,500 U
Hexachlorocyclopentadiene	--	0.38 UJ	600 U	1,500 U
Hexachloroethane	--	0.38 U	600 U	1,500 U
Indeno(1,2,3-cd)pyrene	0.5	0.38 U	600 U	1,500 U
Isophorone	--	0.38 U	600 U	1,500 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-44	CGSB-48	CGSB-48
Sample ID:		CGSB-XX 0-2_12_14_04	CGSB-48 (22-22.5)	CGSB-48 (33.5-34)
Sample Interval (feet bgs):		98.50 to 99.00	22.00 to 22.50	33.50 to 34.00
Sample Interval (feet NAVD88):		-92.64 to -93.14	-15.36 to -15.86	-26.86 to -27.36
Parameter / Sample Date:	Soil Cleanup Objective[5]	12/14/2004	1/21/2005	1/22/2005
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.38 U	**1,900**	**3,700**
Methylphenol, 2-	0.33	0.38 U	600 U	1,500 U
Methylphenol, 4-	0.33	0.38 U	600 U	1,500 U
Naphthalene	12	0.38 U	**2,300**	**6,400**
Nitroaniline, 2-	--	1.8 U	2,900 U	7,300 U
Nitroaniline, 3-	--	1.8 U	2,900 U	7,300 U
Nitroaniline, 4-	--	0.76 U	1,200 U	3,000 U
Nitrobenzene	--	0.38 U	600 U	1,500 U
Nitrophenol, 2-	--	0.38 U	600 U	1,500 U
Nitrophenol, 4-	--	1.8 U	2,900 U	7,300 U
N-Nitrosodi-n-propylamine	--	0.38 U	600 U	1,500 U
N-Nitrosodiphenylamine	--	0.38 U	600 U	1,500 U
Oxybis(1-chloropropane), 2,2'-	--	0.38 U	600 U	1,500 U
Pentachlorophenol	0.8	1.8 U	2,900 U	7,300 U
Phenanthrene	100	0.38 U	**1,700**	**3,300**
Phenol	0.33	0.38 U	600 U	1,500 U
Pyrene	100	0.38 U	**730**	**1,300 J**
Trichlorobenzene, 1,2,4-	--	0.38 U	600 U	1,500 U
Trichlorophenol, 2,4,5-	--	1.8 U	2,900 U	7,300 U
Trichlorophenol, 2,4,6-	--	0.38 U	600 U	1,500 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-44	CGSB-48	CGSB-48
Sample ID:		CGSB-XX 0-2_12_14_04	CGSB-48 (22-22.5)	CGSB-48 (33.5-34)
Sample Interval (feet bgs):		98.50 to 99.00	22.00 to 22.50	33.50 to 34.00
Sample Interval (feet NAVD88):	Soil Cleanup	-92.64 to -93.14	-15.36 to -15.86	-26.86 to -27.36
Parameter / Sample Date:	Objective[5]	12/14/2004	1/21/2005	1/22/2005
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**3.80 J**	**3.00 J**	**4.30 B**
Barium	400	**58.7**	**8.80 J**	**15.0 J**
Cadmium	4.3	3.70 U	4.10 U	4.10 U
Chromium	19	**18.7**	**6.60**	**6.10**
Lead	400	**24.4**	**3.70 B**	**3.10 B**
Mercury	0.73	0.0110 U	0.0170 U	0.0160 U
Selenium	4	19.5 U	21.7 U	22.1 U
Silver	8.3	3.70 U	4.10 U	4.10 U
Cyanide				
Cyanide, Total	27	0.58 UJ	0.53 U	0.56 U
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-48	CGSB-49	CGSB-49
Sample ID:		CGSB-48 (131-132)	CGSB-49 (7.5-8)	CGSB-49 (13.5-14)
Sample Interval (feet bgs):		131.00 to 132.00	7.50 to 8.00	13.50 to 14.00
Sample Interval (feet NAVD88):	Soil Cleanup	-124.36 to -25.36	1.00 to 0.50	-5.00 to -5.50
Parameter / Sample Date:	Objective[5]	1/24/2005	2/6/2005	2/6/2005
Volatile Organic Compounds				
Acetone	0.05	0.012 UB	0.012 UB	**0.17 J**
Benzene	0.06	0.0061 U	0.0058 U	0.014 UJ
Bromodichloromethane	--	0.0061 UJ	0.0058 U	0.014 UJ
Bromoform	--	0.0061 U	0.0058 UJ	0.014 UJ
Bromomethane	--	0.0061 UJ	0.0058 U	0.014 UJ
Butanone, 2-	0.12	0.012 UJ	0.012 UJ	**0.053 J**
Carbon disulfide	--	0.0061 U	0.0058 U	0.014 UJ
Carbon tetrachloride	0.76	0.0061 UJ	0.0058 U	0.014 UJ
Chlorobenzene	1.1	0.0061 U	0.0058 UJ	0.014 UJ
Chloroethane	--	0.0061 UJ	0.0058 U	0.014 UJ
Chloroform	0.37	0.0061 U	0.0058 U	0.014 UJ
Chloromethane	--	0.0061 U	0.0058 U	0.014 UJ
Dibromochloromethane	--	0.0061 U	0.0058 UJ	0.014 UJ
Dichloroethane, 1,1-	0.27	0.0061 UJ	0.0058 U	0.014 UJ
Dichloroethane, 1,2-	0.02	0.0061 UJ	0.0058 U	0.014 UJ
Dichloroethene, 1,1-	0.33	0.0061 U	0.0058 U	0.014 UJ
Dichloroethene, cis-1,2-	0.25	0.0061 U	0.0058 U	0.014 UJ
Dichloroethene, trans-1,2-	0.19	0.0061 U	0.0058 U	0.014 UJ
Dichloropropane, 1,2-	--	0.0061 U	0.0058 U	0.014 UJ
Dichloropropene, cis-1,3-	--	0.0061 U	0.0058 U	0.014 UJ
Dichloropropene, trans-1,3-	--	0.0061 UJ	0.0058 U	0.014 UJ
Ethylbenzene	1	0.0061 U	0.0058 UJ	0.014 UJ
Hexanone, 2-	--	0.012 U	0.012 UJ	0.028 UJ
Methyl-2-pentanone, 4-	--	0.012 U	0.012 UJ	0.028 UJ
Methylene chloride	0.05	0.012 UJB	0.012 U	0.028 UJB
Styrene	--	0.0061 U	0.0058 UJ	0.014 UJ
Tetrachloroethane, 1,1,2,2-	--	0.0061 U	R	0.014 UJ
Tetrachloroethene	1.3	0.0061 U	0.0058 UJ	0.014 UJ
Toluene	0.7	0.0061 U	0.0058 UJ	**0.0067 J**
Trichloroethane, 1,1,1-	0.68	0.0061 UJ	0.0058 U	0.014 UJ
Trichloroethane, 1,1,2-	--	0.0061 UJ	0.0058 U	0.014 UJ
Trichloroethene	0.47	0.0061 UJ	0.0058 U	0.014 UJ
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0061 U	0.0058 U	0.014 UJ
Xylenes, Total	1.6	0.0061 U	0.0058 UJ	0.014 UJ
Semivolatile Organic Compounds				
Acenaphthene	98	0.40 U	0.37 U	0.91 UJ
Acenaphthylene	100	0.40 U	0.37 U	0.91 UJ
Anthracene	100	0.40 U	**0.081 J**	0.91 UJ
Benzo(a)anthracene	1	0.40 U	**0.19 J**	0.91 UJ
Benzo(a)pyrene	1	0.40 U	**0.13 J**	0.91 UJ

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-48	CGSB-49	CGSB-49
Sample ID:		CGSB-48 (131-132)	CGSB-49 (7.5-8)	CGSB-49 (13.5-14)
Sample Interval (feet bgs):		131.00 to 132.00	7.50 to 8.00	13.50 to 14.00
Sample Interval (feet NAVD88):	Soil Cleanup	-124.36 to -25.36	1.00 to 0.50	-5.00 to -5.50
Parameter / Sample Date:	Objective[5]	1/24/2005	2/6/2005	2/6/2005
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.40 U	**0.18 J**	0.91 UJ
Benzo(g,h,i)perylene	100	0.40 U	**0.076 J**	0.91 UJ
Benzo(k)fluoranthene	1.7	0.40 U	**0.14 J**	0.91 UJ
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.40 U	0.37 U	0.91 UJ
Bis(2-chloroethoxy)methane	--	0.40 U	0.37 U	0.91 UJ
Bis(2-chloroethyl)ether	--	0.40 U	0.37 U	0.91 UJ
Bis(2-ethylhexyl)phthalate	--	0.40 U	0.37 U	0.91 UJ
Bromophenyl phenyl ether, 4-	--	0.40 U	0.37 U	0.91 UJ
Butyl benzyl phthalate	--	0.40 U	0.37 UJ	0.91 UJ
Carbazole	--	0.40 U	0.37 U	0.91 UJ
Chloro-3-methylphenol, 4-	--	0.40 U	0.37 U	0.91 UJ
Chloroaniline, 4-	--	0.40 U	0.37 U	0.91 UJ
Chloronaphthalene, 2-	--	0.40 U	0.37 U	0.91 UJ
Chlorophenol, 2-	--	0.40 U	0.37 U	0.91 UJ
Chlorophenyl phenyl ether, 4-	--	0.40 U	0.37 U	0.91 UJ
Chrysene	1	0.40 U	**0.22 J**	0.91 UJ
Dibenzo(a,h)anthracene	0.33	0.40 U	0.37 U	0.91 UJ
Dibenzofuran	59	0.40 U	0.37 U	0.91 UJ
Dichlorobenzene, 1,2-	1.1	0.40 U	0.37 U	0.91 UJ
Dichlorobenzene, 1,3-	2.4	0.40 U	0.37 U	0.91 UJ
Dichlorobenzene, 1,4-	1.8	0.40 U	0.37 U	0.91 UJ
Dichlorobenzidine, 3,3-	--	0.79 UJ	0.74 U	1.8 UJ
Dichlorophenol, 2,4-	--	0.40 U	0.37 U	0.91 UJ
Diethyl phthalate	--	0.40 U	0.37 U	0.91 UJ
Dimethylphenol, 2,4-	--	0.40 U	0.37 UJ	0.91 UJ
Dimethyl phthalate	--	0.40 U	0.37 U	0.91 UJ
Di-n-butyl phthalate	--	0.40 U	0.37 UJ	0.91 UJ
Di-n-octyl phthalate	--	0.40 U	0.37 U	0.91 UJ
Dinitro-2-methylphenol, 4,6-	--	1.9 U	1.8 U	4.4 UJ
Dinitrophenol, 2,4-	--	1.9 UJ	1.8 U	4.4 UJ
Dinitrotoluene, 2,4-	--	0.40 U	0.37 U	0.91 UJ
Dinitrotoluene, 2,6-	--	0.40 U	0.37 U	0.91 UJ
Fluoranthene	100	0.40 U	**0.43 J**	0.91 UJ
Fluorene	100	0.40 U	0.37 U	0.91 UJ
Hexachlorobenzene	1.2	0.40 U	0.37 U	0.91 UJ
Hexachlorobutadiene	--	0.40 U	0.37 U	0.91 UJ
Hexachlorocyclopentadiene	--	0.40 U	0.37 U	0.91 UJ
Hexachloroethane	--	0.40 U	0.37 U	0.91 UJ
Indeno(1,2,3-cd)pyrene	0.5	0.40 U	**0.061 J**	0.91 UJ
Isophorone	--	0.40 U	0.37 U	0.91 UJ

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-48	CGSB-49	CGSB-49
Sample ID:		CGSB-48 (131-132)	CGSB-49 (7.5-8)	CGSB-49 (13.5-14)
Sample Interval (feet bgs):		131.00 to 132.00	7.50 to 8.00	13.50 to 14.00
Sample Interval (feet NAVD88):	Soil Cleanup	-124.36 to -25.36	1.00 to 0.50	-5.00 to -5.50
Parameter / Sample Date:	Objective[5]	1/24/2005	2/6/2005	2/6/2005
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.40 U	**0.20 J**	0.91 UJ
Methylphenol, 2-	0.33	0.40 UJ	0.37 U	0.91 UJ
Methylphenol, 4-	0.33	0.40 U	0.37 U	0.91 UJ
Naphthalene	12	0.40 U	**0.25 J**	0.91 UJ
Nitroaniline, 2-	--	1.9 U	1.8 UJ	4.4 UJ
Nitroaniline, 3-	--	1.9 U	1.8 U	4.4 UJ
Nitroaniline, 4-	--	0.79 UJ	0.74 U	1.8 UJ
Nitrobenzene	--	0.40 U	0.37 UJ	0.91 UJ
Nitrophenol, 2-	--	0.40 U	0.37 U	0.91 UJ
Nitrophenol, 4-	--	1.9 U	1.8 U	4.4 UJ
N-Nitrosodi-n-propylamine	--	0.40 U	0.37 U	0.91 UJ
N-Nitrosodiphenylamine	--	0.40 U	**0.059 J**	0.91 UJ
Oxybis(1-chloropropane), 2,2'-	--	0.40 U	0.37 UJ	0.91 UJ
Pentachlorophenol	0.8	1.9 U	1.8 U	4.4 UJ
Phenanthrene	100	0.40 U	**0.36 J**	0.91 UJ
Phenol	0.33	0.40 U	0.37 U	0.91 UJ
Pyrene	100	0.40 U	**0.47**	0.91 UJ
Trichlorobenzene, 1,2,4-	--	0.40 U	0.37 U	0.91 UJ
Trichlorophenol, 2,4,5-	--	1.9 U	1.8 U	4.4 UJ
Trichlorophenol, 2,4,6-	--	0.40 U	0.37 U	0.91 UJ
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-48	CGSB-49	CGSB-49
Sample ID:		CGSB-48 (131-132)	CGSB-49 (7.5-8)	CGSB-49 (13.5-14)
Sample Interval (feet bgs):		131.00 to 132.00	7.50 to 8.00	13.50 to 14.00
Sample Interval (feet NAVD88):	Soil Cleanup	-124.36 to -25.36	1.00 to 0.50	-5.00 to -5.50
Parameter / Sample Date:	Objective[5]	1/24/2005	2/6/2005	2/6/2005
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**4.90 B**	**13.8 J**	**7.00 J**
Barium	400	**37.4 J**	**26.7 J**	**18.0 J**
Cadmium	4.3	4.00 U	4.10 U	10.6 UJ
Chromium	19	**10.8**	**7.40**	**12.4 J**
Lead	400	**4.10 B**	**52.6 J**	**198 J**
Mercury	0.73	0.0120 U	**0.0450 B**	0.140 UJ
Selenium	4	21.4 U	**8.00 J**	56.3 UJ
Silver	8.3	4.00 U	4.10 U	10.6 UJ
Cyanide				
Cyanide, Total	27	0.60 U	**0.047 J**	**0.13 J**
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-49	CGSB-49	CGSB-52
Sample ID:		CGSB-49 (117-118)	CGSB-XX 0-2_02_07_05	CGSB-52 (13-13.5)
Sample Interval (feet bgs):		117.00 to 118.00	117.00 to 118.00	13.00 to 13.50
Sample Interval (feet NAVD88):		-108.50 to -9.50	-108.50 to -9.50	-6.95 to -7.45
Parameter / Sample Date:	Soil Cleanup Objective[5]	2/7/2005	2/7/2005	3/30/2005
Volatile Organic Compounds				
Acetone	0.05	0.011 UJB	0.012 UB	**0.12 J**
Benzene	0.06	0.0057 UJ	0.0058 U	0.0062 UJ
Bromodichloromethane	--	0.0057 UJ	0.0058 U	0.0062 UJ
Bromoform	--	0.0057 UJ	0.0058 U	0.0062 UJ
Bromomethane	--	0.0057 UJ	0.0058 U	0.0062 UJ
Butanone, 2-	0.12	0.011 UJ	0.012 UJ	0.012 UJ
Carbon disulfide	--	0.0057 UJ	0.0058 U	**0.0029 J**
Carbon tetrachloride	0.76	0.0057 UJ	0.0058 U	0.0062 UJ
Chlorobenzene	1.1	0.0057 UJ	0.0058 U	0.0062 UJ
Chloroethane	--	0.0057 UJ	0.0058 U	0.0062 UJ
Chloroform	0.37	0.0057 UJ	0.0058 U	0.0062 UJ
Chloromethane	--	0.0057 UJ	0.0058 U	0.0062 UJ
Dibromochloromethane	--	0.0057 UJ	0.0058 U	0.0062 UJ
Dichloroethane, 1,1-	0.27	0.0057 UJ	0.0058 U	0.0062 UJ
Dichloroethane, 1,2-	0.02	0.0057 UJ	0.0058 U	0.0062 UJ
Dichloroethene, 1,1-	0.33	0.0057 UJ	0.0058 U	0.0062 UJ
Dichloroethene, cis-1,2-	0.25	0.0057 UJ	0.0058 U	0.0062 UJ
Dichloroethene, trans-1,2-	0.19	0.0057 UJ	0.0058 U	0.0062 UJ
Dichloropropane, 1,2-	--	0.0057 UJ	0.0058 U	0.0062 UJ
Dichloropropene, cis-1,3-	--	0.0057 UJ	0.0058 U	0.0062 UJ
Dichloropropene, trans-1,3-	--	0.0057 UJ	0.0058 U	0.0062 UJ
Ethylbenzene	1	0.0057 UJ	0.0058 U	0.0062 UJ
Hexanone, 2-	--	0.011 UJ	0.012 U	0.012 UJ
Methyl-2-pentanone, 4-	--	0.011 UJ	0.012 U	0.012 UJ
Methylene chloride	0.05	0.011 UJB	0.012 UJB	0.012 UJB
Styrene	--	0.0057 UJ	0.0058 U	0.0062 UJ
Tetrachloroethane, 1,1,2,2-	--	0.0057 UJ	0.0058 U	0.0062 UJ
Tetrachloroethene	1.3	0.0057 UJ	0.0058 U	**0.0033 J**
Toluene	0.7	0.0057 UJ	0.0058 U	0.0062 UJ
Trichloroethane, 1,1,1-	0.68	0.0057 UJ	0.0058 U	0.0062 UJ
Trichloroethane, 1,1,2-	--	0.0057 UJ	0.0058 U	0.0062 UJ
Trichloroethene	0.47	0.0057 UJ	0.0058 U	0.0062 UJ
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0057 UJ	0.0058 U	0.0062 UJ
Xylenes, Total	1.6	0.0057 UJ	0.0058 U	0.0062 UJ
Semivolatile Organic Compounds				
Acenaphthene	98	0.37 U	0.36 U	**0.11 J**
Acenaphthylene	100	0.37 U	0.36 U	**0.088 J**
Anthracene	100	0.37 U	0.36 U	**0.30 J**
Benzo(a)anthracene	1	0.37 U	0.36 U	**0.99**
Benzo(a)pyrene	1	0.37 U	0.36 U	**0.77**

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-49	CGSB-49	CGSB-52
Sample ID:		CGSB-49 (117-118)	CGSB-XX 0-2_02_07_05	CGSB-52 (13-13.5)
Sample Interval (feet bgs):		117.00 to 118.00	117.00 to 118.00	13.00 to 13.50
Sample Interval (feet NAVD88):		-108.50 to -9.50	-108.50 to -9.50	-6.95 to -7.45
Parameter / Sample Date:	Soil Cleanup Objective[5]	2/7/2005	2/7/2005	3/30/2005
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.37 U	0.36 U	**0.50 H**
Benzo(g,h,i)perylene	100	0.37 U	0.36 U	**0.46**
Benzo(k)fluoranthene	1.7	0.37 U	0.36 U	**0.62**
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.37 U	0.36 U	0.41 U
Bis(2-chloroethoxy)methane	--	0.37 U	0.36 U	0.41 U
Bis(2-chloroethyl)ether	--	0.37 U	0.36 U	0.41 U
Bis(2-ethylhexyl)phthalate	--	0.37 U	0.36 U	0.41 U
Bromophenyl phenyl ether, 4-	--	0.37 U	0.36 U	0.41 U
Butyl benzyl phthalate	--	0.37 UJ	0.36 UJ	0.41 U
Carbazole	--	0.37 U	0.36 U	0.41 U
Chloro-3-methylphenol, 4-	--	0.37 U	0.36 U	0.41 U
Chloroaniline, 4-	--	0.37 U	0.36 U	0.41 U
Chloronaphthalene, 2-	--	0.37 U	0.36 U	0.41 U
Chlorophenol, 2-	--	0.37 U	0.36 U	0.41 U
Chlorophenyl phenyl ether, 4-	--	0.37 U	0.36 U	0.41 U
Chrysene	1	0.37 U	0.36 U	**1.1**
Dibenzo(a,h)anthracene	0.33	0.37 U	0.36 U	**0.15 J**
Dibenzofuran	59	0.37 U	0.36 U	**0.10 J**
Dichlorobenzene, 1,2-	1.1	0.37 U	0.36 U	0.41 U
Dichlorobenzene, 1,3-	2.4	0.37 U	0.36 U	0.41 U
Dichlorobenzene, 1,4-	1.8	0.37 U	0.36 U	0.41 U
Dichlorobenzidine, 3,3-	--	0.75 U	0.73 U	0.82 U
Dichlorophenol, 2,4-	--	0.37 U	0.36 U	0.41 U
Diethyl phthalate	--	0.37 U	0.36 U	0.41 U
Dimethylphenol, 2,4-	--	0.37 UJ	0.36 UJ	0.41 U
Dimethyl phthalate	--	0.37 U	0.36 U	0.41 U
Di-n-butyl phthalate	--	0.37 UJ	0.36 UJ	0.41 U
Di-n-octyl phthalate	--	0.37 U	0.36 U	0.41 U
Dinitro-2-methylphenol, 4,6-	--	1.8 U	1.8 U	2.0 U
Dinitrophenol, 2,4-	--	1.8 U	1.8 U	2.0 U
Dinitrotoluene, 2,4-	--	0.37 U	0.36 U	0.41 U
Dinitrotoluene, 2,6-	--	0.37 U	0.36 U	0.41 U
Fluoranthene	100	0.37 U	0.36 U	**2.1**
Fluorene	100	0.37 U	0.36 U	**0.086 J**
Hexachlorobenzene	1.2	0.37 U	0.36 U	0.41 U
Hexachlorobutadiene	--	0.37 U	0.36 U	0.41 U
Hexachlorocyclopentadiene	--	0.37 U	0.36 U	0.41 U
Hexachloroethane	--	0.37 U	0.36 U	0.41 U
Indeno(1,2,3-cd)pyrene	0.5	0.37 U	0.36 U	**0.49 J**
Isophorone	--	0.37 U	0.36 U	0.41 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-49	CGSB-49	CGSB-52
Sample ID:		CGSB-49 (117-118)	CGSB-XX 0-2_02_07_05	CGSB-52 (13-13.5)
Sample Interval (feet bgs):		117.00 to 118.00	117.00 to 118.00	13.00 to 13.50
Sample Interval (feet NAVD88):		-108.50 to -9.50	-108.50 to -9.50	-6.95 to -7.45
Parameter / Sample Date:	Soil Cleanup Objective[5]	2/7/2005	2/7/2005	3/30/2005
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.37 U	0.36 U	**0.11 J**
Methylphenol, 2-	0.33	0.37 U	0.36 U	0.41 U
Methylphenol, 4-	0.33	0.37 U	0.36 U	0.41 U
Naphthalene	12	0.37 U	0.36 U	**0.24 J**
Nitroaniline, 2-	--	1.8 UJ	1.8 UJ	2.0 U
Nitroaniline, 3-	--	1.8 U	1.8 U	2.0 U
Nitroaniline, 4-	--	0.75 U	0.73 U	0.82 U
Nitrobenzene	--	0.37 UJ	0.36 UJ	0.41 U
Nitrophenol, 2-	--	0.37 U	0.36 U	0.41 U
Nitrophenol, 4-	--	1.8 U	1.8 U	2.0 U
N-Nitrosodi-n-propylamine	--	0.37 U	0.36 U	0.41 U
N-Nitrosodiphenylamine	--	0.37 U	0.36 U	0.41 U
Oxybis(1-chloropropane), 2,2'-	--	0.37 UJ	0.36 UJ	0.41 U
Pentachlorophenol	0.8	1.8 U	1.8 U	2.0 U
Phenanthrene	100	0.37 U	0.36 U	**0.38 J**
Phenol	0.33	0.37 U	0.36 U	0.41 U
Pyrene	100	0.37 U	0.36 U	**2.1**
Trichlorobenzene, 1,2,4-	--	0.37 U	0.36 U	0.41 U
Trichlorophenol, 2,4,5-	--	1.8 U	1.8 U	2.0 U
Trichlorophenol, 2,4,6-	--	0.37 U	0.36 U	0.41 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-49	CGSB-49	CGSB-52
Sample ID:		CGSB-49 (117-118)	CGSB-XX 0-2_02_07_05	CGSB-52 (13-13.5)
Sample Interval (feet bgs):		117.00 to 118.00	117.00 to 118.00	13.00 to 13.50
Sample Interval (feet NAVD88):		-108.50 to -9.50	-108.50 to -9.50	-6.95 to -7.45
Parameter / Sample Date:	Soil Cleanup Objective[5]	2/7/2005	2/7/2005	3/30/2005
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**2.50 J**	**2.00 J**	**43.7**
Barium	400	**27.7 J**	**33.4 J**	**117 ***
Cadmium	4.3	4.10 U	4.10 U	1.40 U
Chromium	19	**9.70**	**10.8**	**11.4**
Lead	400	12.3 UBN	12.3 UBN	**771**
Mercury	0.73	0.0520 U	0.0580 U	**1.60**
Selenium	4	21.9 U	21.9 U	2.20 U
Silver	8.3	4.10 U	4.10 U	0.440 U
Cyanide				
Cyanide, Total	27	0.56 U	0.55 U	**0.096 J**
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-52	CGSB-52	CGSB-52
Sample ID:		CGSB-52 (34.5-35)	CGSB-XX (16-16.5)	CGSB-52 (107-108)
Sample Interval (feet bgs):		34.50 to 35.00	34.50 to 35.00	107.00 to 108.00
Sample Interval (feet NAVD88):	Soil Cleanup	-28.45 to -28.95	-28.45 to -28.95	-100.95 to -1.95
Parameter / Sample Date:	Objective[5]	3/30/2005	3/30/2005	3/30/2005
Volatile Organic Compounds				
Acetone	0.05	72 UJ	68 UJ	**0.055 J**
Benzene	0.06	**44 J**	**8.8 J**	0.0061 UJ
Bromodichloromethane	--	29 U	27 U	0.0061 UJ
Bromoform	--	29 U	27 U	0.0061 UJ
Bromomethane	--	29 U	27 U	0.0061 UJ
Butanone, 2-	0.12	29 UJB	27 U	0.012 UJ
Carbon disulfide	--	29 U	27 U	0.0061 UJ
Carbon tetrachloride	0.76	29 U	27 U	0.0061 UJ
Chlorobenzene	1.1	29 U	27 U	0.0061 UJ
Chloroethane	--	29 U	27 U	0.0061 UJ
Chloroform	0.37	29 U	27 U	0.0061 UJ
Chloromethane	--	29 U	27 U	0.0061 UJ
Dibromochloromethane	--	29 U	27 U	0.0061 UJ
Dichloroethane, 1,1-	0.27	29 U	27 U	0.0061 UJ
Dichloroethane, 1,2-	0.02	29 U	27 U	0.0061 UJ
Dichloroethene, 1,1-	0.33	29 U	27 U	0.0061 UJ
Dichloroethene, cis-1,2-	0.25	29 U	27 U	0.0061 UJ
Dichloroethene, trans-1,2-	0.19	29 U	27 U	0.0061 UJ
Dichloropropane, 1,2-	--	29 U	27 U	0.0061 UJ
Dichloropropene, cis-1,3-	--	29 U	27 U	0.0061 UJ
Dichloropropene, trans-1,3-	--	29 U	27 U	0.0061 UJ
Ethylbenzene	1	**440 J**	**210 J**	0.0061 UJ
Hexanone, 2-	--	29 U	27 U	0.012 UJ
Methyl-2-pentanone, 4-	--	29 U	27 U	0.012 UJ
Methylene chloride	0.05	29 UJB	27 UJB	0.012 UJB
Styrene	--	**8.4 J**	**5.2 J**	0.0061 UJ
Tetrachloroethane, 1,1,2,2-	--	29 U	27 U	0.0061 UJ
Tetrachloroethene	1.3	29 U	27 U	0.0061 UJ
Toluene	0.7	**120 B**	**40 B**	0.0061 UJ
Trichloroethane, 1,1,1-	0.68	29 U	27 U	0.0061 UJ
Trichloroethane, 1,1,2-	--	29 U	27 U	0.0061 UJ
Trichloroethene	0.47	29 U	27 U	0.0061 UJ
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	29 U	27 U	0.0061 UJ
Xylenes, Total	1.6	**510 J**	**250 J**	0.0061 UJ
Semivolatile Organic Compounds				
Acenaphthene	98	**910**	**1,200**	0.39 U
Acenaphthylene	100	**320 J**	**440 J**	0.39 U
Anthracene	100	**410 J**	**650 J**	0.39 U
Benzo(a)anthracene	1	**210 J**	**300 J**	0.39 U
Benzo(a)pyrene	1	**160 J**	**240 J**	0.39 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-52	CGSB-52	CGSB-52
Sample ID:		CGSB-52 (34.5-35)	CGSB-XX (16-16.5)	CGSB-52 (107-108)
Sample Interval (feet bgs):		34.50 to 35.00	34.50 to 35.00	107.00 to 108.00
Sample Interval (feet NAVD88):	Soil Cleanup	-28.45 to -28.95	-28.45 to -28.95	-100.95 to -1.95
Parameter Sample Date:	Objective[5]	3/30/2005	3/30/2005	3/30/2005
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	600 U	700 U	0.39 U
Benzo(g,h,i)perylene	100	**77 J**	**130 J**	0.39 U
Benzo(k)fluoranthene	1.7	**88 J**	**130 J**	0.39 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	600 U	700 U	0.39 U
Bis(2-chloroethoxy)methane	--	600 U	700 U	0.39 U
Bis(2-chloroethyl)ether	--	600 U	700 U	0.39 U
Bis(2-ethylhexyl)phthalate	--	600 U	700 U	0.39 U
Bromophenyl phenyl ether, 4-	--	600 U	700 U	0.39 U
Butyl benzyl phthalate	--	600 U	700 U	0.39 U
Carbazole	--	600 U	700 U	0.39 U
Chloro-3-methylphenol, 4-	--	600 U	700 U	0.39 U
Chloroaniline, 4-	--	600 U	700 U	0.39 U
Chloronaphthalene, 2-	--	600 U	700 U	0.39 U
Chlorophenol, 2-	--	600 U	700 U	0.39 U
Chlorophenyl phenyl ether, 4-	--	600 U	700 U	0.39 U
Chrysene	1	**210 J**	**290 J**	0.39 U
Dibenzo(a,h)anthracene	0.33	600 U	700 U	0.39 U
Dibenzofuran	59	600 U	700 U	0.39 U
Dichlorobenzene, 1,2-	1.1	600 U	700 U	0.39 U
Dichlorobenzene, 1,3-	2.4	600 U	700 U	0.39 U
Dichlorobenzene, 1,4-	1.8	600 U	700 U	0.39 UJ
Dichlorobenzidine, 3,3-	--	1,200 U	1,400 U	0.77 U
Dichlorophenol, 2,4-	--	600 U	700 U	0.39 U
Diethyl phthalate	--	600 U	700 U	0.39 U
Dimethylphenol, 2,4-	--	600 U	700 U	0.39 U
Dimethyl phthalate	--	600 U	700 U	0.39 U
Di-n-butyl phthalate	--	600 U	700 U	0.39 U
Di-n-octyl phthalate	--	600 U	700 U	0.39 U
Dinitro-2-methylphenol, 4,6-	--	2,900 U	3,400 U	1.9 U
Dinitrophenol, 2,4-	--	2,900 U	3,400 U	1.9 U
Dinitrotoluene, 2,4-	--	600 U	700 U	0.39 U
Dinitrotoluene, 2,6-	--	600 U	700 U	0.39 U
Fluoranthene	100	**390 J**	**470 J**	0.39 U
Fluorene	100	**490 J**	**710**	0.39 U
Hexachlorobenzene	1.2	600 U	700 U	0.39 U
Hexachlorobutadiene	--	600 U	700 U	0.39 U
Hexachlorocyclopentadiene	--	600 U	700 U	0.39 U
Hexachloroethane	--	600 U	700 U	0.39 U
Indeno(1,2,3-cd)pyrene	0.5	600 U	**84 J**	0.39 U
Isophorone	--	600 U	700 U	0.39 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-52	CGSB-52	CGSB-52
Sample ID:		CGSB-52 (34.5-35)	CGSB-XX (16-16.5)	CGSB-52 (107-108)
Sample Interval (feet bgs):		34.50 to 35.00	34.50 to 35.00	107.00 to 108.00
Sample Interval (feet NAVD88):	Soil Cleanup	-28.45 to -28.95	-28.45 to -28.95	-100.95 to -1.95
Parameter / Sample Date:	Objective[5]	3/30/2005	3/30/2005	3/30/2005
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	**2,000**	**3,000**	0.39 U
Methylphenol, 2-	0.33	600 U	700 U	0.39 U
Methylphenol, 4-	0.33	600 U	700 U	0.39 U
Naphthalene	12	**3,300 J**	**5,600 J**	0.39 U
Nitroaniline, 2-	--	2,900 U	3,400 U	1.9 U
Nitroaniline, 3-	--	2,900 U	3,400 U	1.9 U
Nitroaniline, 4-	--	1,200 U	1,400 U	0.77 U
Nitrobenzene	--	600 U	700 U	0.39 U
Nitrophenol, 2-	--	600 U	700 U	0.39 U
Nitrophenol, 4-	--	2,900 U	3,400 U	1.9 U
N-Nitrosodi-n-propylamine	--	600 U	700 U	0.39 U
N-Nitrosodiphenylamine	--	600 U	700 U	0.39 U
Oxybis(1-chloropropane), 2,2'-	--	600 U	700 U	0.39 U
Pentachlorophenol	0.8	2,900 U	3,400 U	1.9 U
Phenanthrene	100	**1,500**	**2,200**	**0.066 J**
Phenol	0.33	600 U	700 U	0.39 U
Pyrene	100	**520 J**	**900**	0.39 U
Trichlorobenzene, 1,2,4-	--	600 U	700 U	0.39 U
Trichlorophenol, 2,4,5-	--	2,900 U	3,400 U	1.9 U
Trichlorophenol, 2,4,6-	--	600 U	700 U	0.39 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation		
Location ID:		CGSB-52	CGSB-52	CGSB-52
Sample ID:		CGSB-52 (34.5-35)	CGSB-XX (16-16.5)	CGSB-52 (107-108)
Sample Interval (feet bgs):		34.50 to 35.00	34.50 to 35.00	107.00 to 108.00
Sample Interval (feet NAVD88):	Soil Cleanup	-28.45 to -28.95	-28.45 to -28.95	-100.95 to -1.95
Parameter / Sample Date:	Objective[5]	3/30/2005	3/30/2005	3/30/2005
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	1.50 UJ	**1.60 J**	**2.70 J**
Barium	400	**20.2 J**	**25.3 J**	**37.8 J**
Cadmium	4.3	1.20 U	1.10 U	1.30 U
Chromium	19	**15.5**	**20.6**	**11.8**
Lead	400	**2.40 J**	**2.60 B**	**9.10 B**
Mercury	0.73	0.0380 U	0.0350 U	0.0450 U
Selenium	4	2.00 U	1.80 U	2.10 U
Silver	8.3	0.390 U	0.360 U	0.430 U
Cyanide				
Cyanide, Total	27	0.57 U	0.54 U	0.59 U
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Parameter	Soil Cleanup Objective[5]	Supplemental Remedial Investigation		
Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-53	CGSB-53	CGSB-53
Sample ID:		CGSB-53 (23-25)	CGSB-XX(0-2)_06_07_2006	CGSB-53 (32-34)
Sample Interval (feet bgs):		23.00 to 25.00	23.00 to 25.00	32.00 to 34.00
Sample Interval (feet NAVD88):		1.44 to -0.56	1.44 to -0.56	-7.56 to -9.56
Sample Date:		6/7/2006	6/7/2006	6/7/2006
Volatile Organic Compounds				
Acetone	0.05	0.024 UJB	0.025 UJB	0.028 UJB
Benzene	0.06	0.0061 U	0.0063 U	**0.0060 J**
Bromodichloromethane	--	0.0061 U	0.0063 U	0.0071 U
Bromoform	--	0.0061 U	0.0063 U	0.0071 U
Bromomethane	--	0.0061 U	0.0063 U	0.0071 U
Butanone, 2-	0.12	0.012 U	0.013 U	0.014 U
Carbon disulfide	--	0.0061 U	0.0063 U	0.0071 U
Carbon tetrachloride	0.76	0.0061 U	0.0063 U	0.0071 U
Chlorobenzene	1.1	0.0061 U	0.0063 U	0.0071 U
Chloroethane	--	0.0061 U	0.0063 U	0.0071 U
Chloroform	0.37	0.0061 U	0.0063 U	0.0071 U
Chloromethane	--	0.0061 U	0.0063 U	0.0071 U
Dibromochloromethane	--	0.0061 U	0.0063 U	0.0071 U
Dichloroethane, 1,1-	0.27	0.0061 U	0.0063 U	0.0071 U
Dichloroethane, 1,2-	0.02	0.0061 U	0.0063 U	0.0071 U
Dichloroethene, 1,1-	0.33	0.0061 U	0.0063 U	0.0071 U
Dichloroethene, cis-1,2-	0.25	0.0061 U	0.0063 U	**0.013**
Dichloroethene, trans-1,2-	0.19	0.0061 U	0.0063 U	0.0071 U
Dichloropropane, 1,2-	--	0.0061 U	0.0063 U	0.0071 U
Dichloropropene, cis-1,3-	--	0.0061 U	0.0063 U	0.0071 U
Dichloropropene, trans-1,3-	--	0.0061 U	0.0063 U	0.0071 U
Ethylbenzene	1	0.0061 U	0.0063 U	0.0071 U
Hexanone, 2-	--	0.012 U	0.013 U	0.014 U
Methyl-2-pentanone, 4-	--	0.012 U	0.013 U	0.014 U
Methylene chloride	0.05	0.024 UJB	0.025 UJB	0.028 UJB
Styrene	--	0.0061 U	0.0063 U	0.0071 U
Tetrachloroethane, 1,1,2,2-	--	0.0061 U	0.0063 U	0.0071 U
Tetrachloroethene	1.3	0.0061 U	0.0063 U	0.0071 U
Toluene	0.7	0.0061 U	0.0063 U	0.0071 U
Trichloroethane, 1,1,1-	0.68	0.0061 U	0.0063 U	0.0071 U
Trichloroethane, 1,1,2-	--	0.0061 U	0.0063 U	0.0071 U
Trichloroethene	0.47	0.0061 U	0.0063 U	0.0071 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0061 U	0.0063 U	0.0071 U
Xylenes, Total	1.6	0.0061 U	0.0063 U	0.0071 U
Semivolatile Organic Compounds				
Acenaphthene	98	0.39 U	0.40 U	0.45 U
Acenaphthylene	100	0.39 U	0.40 U	0.45 U
Anthracene	100	0.39 U	0.40 U	0.45 U
Benzo(a)anthracene	1	0.39 U	0.40 U	0.45 U
Benzo(a)pyrene	1	0.39 U	0.40 U	0.45 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-53	CGSB-53	CGSB-53
Sample ID:		CGSB-53 (23-25)	CGSB-XX(0-2)_06_07_2006	CGSB-53 (32-34)
Sample Interval (feet bgs):		23.00 to 25.00	23.00 to 25.00	32.00 to 34.00
Sample Interval (feet NAVD88):	Soil Cleanup	1.44 to -0.56	1.44 to -0.56	-7.56 to -9.56
Parameter Sample Date:	Objective[5]	6/7/2006	6/7/2006	6/7/2006
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.39 U	0.40 U	0.45 U
Benzo(g,h,i)perylene	100	0.39 UJ	0.40 UJ	0.45 UJ
Benzo(k)fluoranthene	1.7	0.39 U	0.40 U	0.45 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.39 U	0.40 U	0.45 U
Bis(2-chloroethoxy)methane	--	0.39 U	0.40 U	0.45 U
Bis(2-chloroethyl)ether	--	0.39 U	0.40 U	0.45 U
Bis(2-ethylhexyl)phthalate	--	**0.16 J**	**0.10 J**	**0.50**
Bromophenyl phenyl ether, 4-	--	0.39 U	0.40 U	0.45 U
Butyl benzyl phthalate	--	0.39 U	0.40 U	0.45 U
Carbazole	--	0.39 U	0.40 U	0.45 U
Chloro-3-methylphenol, 4-	--	0.39 U	0.40 U	0.45 U
Chloroaniline, 4-	--	0.39 U	0.40 U	0.45 U
Chloronaphthalene, 2-	--	0.39 U	0.40 U	0.45 U
Chlorophenol, 2-	--	0.39 U	0.40 U	0.45 U
Chlorophenyl phenyl ether, 4-	--	0.39 U	0.40 U	0.45 U
Chrysene	1	0.39 U	0.40 U	0.45 U
Dibenzo(a,h)anthracene	0.33	0.39 UJ	0.40 UJ	0.45 UJ
Dibenzofuran	59	0.39 U	0.40 U	0.45 U
Dichlorobenzene, 1,2-	1.1	0.39 U	0.40 U	0.45 U
Dichlorobenzene, 1,3-	2.4	0.39 U	0.40 U	0.45 U
Dichlorobenzene, 1,4-	1.8	0.39 U	0.40 U	0.45 U
Dichlorobenzidine, 3,3-	--	0.78 U	0.80 U	0.91 U
Dichlorophenol, 2,4-	--	0.39 U	0.40 U	0.45 U
Diethyl phthalate	--	0.39 U	0.40 U	0.45 U
Dimethylphenol, 2,4-	--	0.39 U	0.40 U	0.45 U
Dimethyl phthalate	--	0.39 U	0.40 U	0.45 U
Di-n-butyl phthalate	--	0.39 U	0.40 U	0.45 U
Di-n-octyl phthalate	--	0.39 U	0.40 U	0.45 U
Dinitro-2-methylphenol, 4,6-	--	1.9 U	1.9 U	2.2 U
Dinitrophenol, 2,4-	--	1.9 U	1.9 U	2.2 U
Dinitrotoluene, 2,4-	--	0.39 U	0.40 U	0.45 U
Dinitrotoluene, 2,6-	--	0.39 U	0.40 U	0.45 U
Fluoranthene	100	0.39 U	0.40 U	0.45 U
Fluorene	100	0.39 U	0.40 U	0.45 U
Hexachlorobenzene	1.2	0.39 U	0.40 U	0.45 U
Hexachlorobutadiene	--	0.39 U	0.40 U	0.45 U
Hexachlorocyclopentadiene	--	0.39 U	0.40 U	0.45 U
Hexachloroethane	--	0.39 U	0.40 U	0.45 U
Indeno(1,2,3-cd)pyrene	0.5	0.39 UJ	0.40 UJ	0.45 UJ
Isophorone	--	0.39 U	0.40 U	0.45 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-53	CGSB-53	CGSB-53
Sample ID:		CGSB-53 (23-25)	CGSB-XX(0-2)_06_07_2006	CGSB-53 (32-34)
Sample Interval (feet bgs):		23.00 to 25.00	23.00 to 25.00	32.00 to 34.00
Sample Interval (feet NAVD88):		1.44 to -0.56	1.44 to -0.56	-7.56 to -9.56
Parameter / Sample Date:	Soil Cleanup Objective[5]	6/7/2006	6/7/2006	6/7/2006
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.39 U	0.40 U	0.45 U
Methylphenol, 2-	0.33	0.39 U	0.40 U	0.45 U
Methylphenol, 4-	0.33	0.39 U	0.40 U	0.45 U
Naphthalene	12	0.39 U	0.40 U	0.45 U
Nitroaniline, 2-	--	1.9 U	1.9 U	2.2 U
Nitroaniline, 3-	--	1.9 U	1.9 U	2.2 U
Nitroaniline, 4-	--	0.78 U	0.80 U	0.91 U
Nitrobenzene	--	0.39 U	0.40 U	0.45 U
Nitrophenol, 2-	--	0.39 U	0.40 U	0.45 U
Nitrophenol, 4-	--	1.9 U	1.9 U	2.2 U
N-Nitrosodi-n-propylamine	--	0.39 U	0.40 U	0.45 U
N-Nitrosodiphenylamine	--	0.39 U	0.40 U	0.45 U
Oxybis(1-chloropropane), 2,2'-	--	0.39 U	0.40 U	0.45 U
Pentachlorophenol	0.8	1.9 U	1.9 U	2.2 U
Phenanthrene	100	0.39 U	0.40 U	0.45 U
Phenol	0.33	0.39 U	0.40 U	0.45 U
Pyrene	100	0.39 U	0.40 U	0.45 U
Trichlorobenzene, 1,2,4-	--	0.39 U	0.40 U	0.45 U
Trichlorophenol, 2,4,5-	--	1.9 U	1.9 U	2.2 U
Trichlorophenol, 2,4,6-	--	0.39 U	0.40 U	0.45 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-53	CGSB-53	CGSB-53
Sample ID:		CGSB-53 (23-25)	CGSB-XX(0-2)_06_07_2006	CGSB-53 (32-34)
Sample Interval (feet bgs):		23.00 to 25.00	23.00 to 25.00	32.00 to 34.00
Sample Interval (feet NAVD88):	Soil Cleanup	1.44 to -0.56	1.44 to -0.56	-7.56 to -9.56
Parameter / Sample Date:	Objective[5]	6/7/2006	6/7/2006	6/7/2006
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**3.80 J**	**3.90 B**	**1.70 J**
Barium	400	**18.4 J**	**17.6 J**	**12.7 J**
Cadmium	4.3	4.10 U	3.00 U	4.00 U
Chromium	19	**8.30 J**	**7.80 J**	**11.7 J**
Lead	400	**3.30 J**	**3.60 J**	**4.70 J**
Mercury	0.73	0.0530 U	0.0540 U	0.0510 U
Selenium	4	22.1 UJ	15.8 UJ	21.6 UJ
Silver	8.3	4.10 U	3.00 U	4.00 U
Cyanide				
Cyanide, Total	27	0.61 U	0.63 U	0.71 U
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-54	CGSB-55	CGSB-55
Sample ID:		CGSB-54 (27-29)	CGSB-55 (25-26)	CGSB-XX (22-24)
Sample Interval (feet bgs):		27.00 to 29.00	25.00 to 26.00	25.00 to 26.00
Sample Interval (feet NAVD88):	Soil Cleanup	6.33 to 4.33	18.09 to 17.09	18.09 to 17.09
Parameter Sample Date:	Objective[5]	10/14/2010	7/1/2010	7/1/2010
Volatile Organic Compounds				
Acetone	0.05	0.023 U	0.025 UJB	0.024 UJB
Benzene	0.06	0.0057 U	0.0063 U	0.0061 U
Bromodichloromethane	--	0.0057 U	0.0063 U	0.0061 U
Bromoform	--	0.0057 U	0.0063 U	0.0061 U
Bromomethane	--	0.0057 U	0.0063 UJ	0.0061 UJ
Butanone, 2-	0.12	0.011 U	0.013 U	0.012 U
Carbon disulfide	--	0.0057 U	0.0063 U	0.0061 U
Carbon tetrachloride	0.76	0.0057 U	0.0063 U	0.0061 U
Chlorobenzene	1.1	0.0057 U	0.0063 U	0.0061 U
Chloroethane	--	0.0057 U	0.0063 U	0.0061 U
Chloroform	0.37	0.0057 U	**0.0035 J**	**0.0032 J**
Chloromethane	--	0.0057 U	0.0063 U	0.0061 U
Dibromochloromethane	--	0.0057 U	0.0063 U	0.0061 U
Dichloroethane, 1,1-	0.27	0.0057 U	0.0063 U	0.0061 U
Dichloroethane, 1,2-	0.02	0.0057 U	0.0063 U	0.0061 U
Dichloroethene, 1,1-	0.33	0.0057 U	0.0063 U	0.0061 U
Dichloroethene, cis-1,2-	0.25	0.0057 U	0.0063 U	0.0061 U
Dichloroethene, trans-1,2-	0.19	0.0057 U	0.0063 U	0.0061 U
Dichloropropane, 1,2-	--	0.0057 U	0.0063 U	0.0061 U
Dichloropropene, cis-1,3-	--	0.0057 U	0.0063 U	0.0061 U
Dichloropropene, trans-1,3-	--	0.0057 U	0.0063 U	0.0061 U
Ethylbenzene	1	0.0057 U	0.0063 U	0.0061 U
Hexanone, 2-	--	0.011 U	0.013 U	0.012 U
Methyl-2-pentanone, 4-	--	0.0057 U	0.0063 U	0.0061 U
Methylene chloride	0.05	0.023 UJB	0.025 UJB	0.024 UJB
Styrene	--	0.0057 U	0.0063 U	0.0061 U
Tetrachloroethane, 1,1,2,2-	--	0.0057 U	0.0063 U	0.0061 U
Tetrachloroethene	1.3	0.0057 U	0.0063 U	0.0061 U
Toluene	0.7	0.0057 U	**0.00045 J**	**0.00021 J**
Trichloroethane, 1,1,1-	0.68	0.0057 U	0.0063 U	0.0061 U
Trichloroethane, 1,1,2-	--	0.0057 U	0.0063 U	0.0061 U
Trichloroethene	0.47	0.0057 U	0.0063 U	0.0061 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0057 U	0.0063 U	0.0061 U
Xylenes, Total	1.6	0.0057 U	0.0063 U	0.0061 U
Semivolatile Organic Compounds				
Acenaphthene	98	0.31 U	0.34 U	0.32 U
Acenaphthylene	100	0.31 U	0.34 U	0.32 U
Anthracene	100	0.31 U	**0.014 J**	0.32 U
Benzo(a)anthracene	1	**0.019 J**	**0.013 J**	0.32 U
Benzo(a)pyrene	1	**0.0096 J**	0.34 U	0.32 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-54	CGSB-55	CGSB-55
Sample ID:		CGSB-54 (27-29)	CGSB-55 (25-26)	CGSB-XX (22-24)
Sample Interval (feet bgs):		27.00 to 29.00	25.00 to 26.00	25.00 to 26.00
Sample Interval (feet NAVD88):	Soil Cleanup	6.33 to 4.33	18.09 to 17.09	18.09 to 17.09
Parameter / Sample Date:	Objective[5]	10/14/2010	7/1/2010	7/1/2010
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	**0.016 J**	0.34 U	0.32 U
Benzo(g,h,i)perylene	100	0.31 U	0.34 UJ	0.32 UJ
Benzo(k)fluoranthene	1.7	0.31 U	0.34 U	0.32 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.31 U	0.34 U	0.32 U
Bis(2-chloroethoxy)methane	--	0.31 U	0.34 U	0.32 U
Bis(2-chloroethyl)ether	--	0.31 U	0.34 U	0.32 U
Bis(2-ethylhexyl)phthalate	--	**4.7**	**0.033 J**	**0.044 J**
Bromophenyl phenyl ether, 4-	--	0.31 U	0.34 U	0.32 U
Butyl benzyl phthalate	--	0.31 U	0.34 U	0.32 U
Carbazole	--	0.31 U	0.34 U	0.32 U
Chloro-3-methylphenol, 4-	--	0.31 U	0.34 U	0.32 U
Chloroaniline, 4-	--	0.31 U	0.34 U	0.32 U
Chloronaphthalene, 2-	--	0.31 U	0.34 U	0.32 U
Chlorophenol, 2-	--	0.31 U	0.34 U	0.32 U
Chlorophenyl phenyl ether, 4-	--	0.31 U	0.34 U	0.32 U
Chrysene	1	0.31 U	0.34 U	0.32 U
Dibenzo(a,h)anthracene	0.33	0.31 U	0.34 UJ	0.32 UJ
Dibenzofuran	59	0.31 U	0.34 U	0.32 U
Dichlorobenzene, 1,2-	1.1	0.31 U	0.34 U	0.32 U
Dichlorobenzene, 1,3-	2.4	0.31 U	0.34 U	0.32 U
Dichlorobenzene, 1,4-	1.8	0.31 U	0.34 U	0.32 U
Dichlorobenzidine, 3,3-	--	0.37 U	0.41 U	0.39 U
Dichlorophenol, 2,4-	--	0.31 U	0.34 U	0.32 U
Diethyl phthalate	--	0.31 U	0.34 U	0.32 U
Dimethylphenol, 2,4-	--	0.31 U	0.34 U	0.32 U
Dimethyl phthalate	--	0.31 U	0.34 U	0.32 U
Di-n-butyl phthalate	--	**0.069 J**	0.34 U	0.32 U
Di-n-octyl phthalate	--	0.31 U	0.34 U	0.32 U
Dinitro-2-methylphenol, 4,6-	--	1.9 U	2.1 U	2.0 U
Dinitrophenol, 2,4-	--	1.9 U	2.1 U	2.0 U
Dinitrotoluene, 2,4-	--	0.31 U	0.34 U	0.32 U
Dinitrotoluene, 2,6-	--	0.31 U	0.34 U	0.32 U
Fluoranthene	100	**0.065 J**	0.34 U	0.32 U
Fluorene	100	0.31 U	0.34 U	0.32 U
Hexachlorobenzene	1.2	0.31 U	0.34 U	0.32 U
Hexachlorobutadiene	--	0.31 U	0.34 U	0.32 U
Hexachlorocyclopentadiene	--	0.76 U	0.83 U	0.79 U
Hexachloroethane	--	0.31 U	0.34 U	0.32 U
Indeno(1,2,3-cd)pyrene	0.5	0.31 U	0.34 UJ	0.32 UJ
Isophorone	--	0.31 U	0.34 U	0.32 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-54	CGSB-55	CGSB-55
Sample ID:		CGSB-54 (27-29)	CGSB-55 (25-26)	CGSB-XX (22-24)
Sample Interval (feet bgs):		27.00 to 29.00	25.00 to 26.00	25.00 to 26.00
Sample Interval (feet NAVD88):	Soil Cleanup	6.33 to 4.33	18.09 to 17.09	18.09 to 17.09
Parameter Sample Date:	Objective[5]	10/14/2010	7/1/2010	7/1/2010
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.31 U	**0.014 J**	0.32 U
Methylphenol, 2-	0.33	0.31 U	0.34 U	0.32 U
Methylphenol, 4-	0.33	0.31 U	0.34 U	0.32 U
Naphthalene	12	0.31 U	0.34 U	0.32 U
Nitroaniline, 2-	--	0.76 U	0.83 U	0.79 U
Nitroaniline, 3-	--	0.76 U	0.83 U	0.79 U
Nitroaniline, 4-	--	0.31 U	0.34 U	0.32 U
Nitrobenzene	--	0.31 U	0.34 U	0.32 U
Nitrophenol, 2-	--	0.31 U	0.34 U	0.32 U
Nitrophenol, 4-	--	1.9 U	2.1 U	2.0 U
N-Nitrosodi-n-propylamine	--	0.31 U	0.34 U	0.32 U
N-Nitrosodiphenylamine	--	0.31 U	0.34 U	0.32 U
Oxybis(1-chloropropane), 2,2'-	--	0.31 U	0.34 U	0.32 U
Pentachlorophenol	0.8	0.76 U	0.83 U	0.79 U
Phenanthrene	100	**0.091 J**	**0.051 J**	0.32 U
Phenol	0.33	0.31 U	0.34 U	0.32 U
Pyrene	100	**0.094 J**	**0.026 J**	0.32 U
Trichlorobenzene, 1,2,4-	--	0.31 U	0.34 U	0.32 U
Trichlorophenol, 2,4,5-	--	1.9 U	2.1 U	2.0 U
Trichlorophenol, 2,4,6-	--	0.31 U	0.34 U	0.32 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-54	CGSB-55	CGSB-55
Sample ID:		CGSB-54 (27-29)	CGSB-55 (25-26)	CGSB-XX (22-24)
Sample Interval (feet bgs):		27.00 to 29.00	25.00 to 26.00	25.00 to 26.00
Sample Interval (feet NAVD88):	Soil Cleanup	6.33 to 4.33	18.09 to 17.09	18.09 to 17.09
Parameter / Sample Date:	Objective[5]	10/14/2010	7/1/2010	7/1/2010
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**2.00 J**	6.60 UJ	6.20 UJ
Barium	400	**24.5**	**102**	**84.2**
Cadmium	4.3	1.40 U	1.60 U	1.50 U
Chromium	19	**23.0**	**25.7**	**19.1**
Lead	400	**2.40 J**	**7.50**	**6.10**
Mercury	0.73	0.0530 U	0.0600 U	0.0550 U
Selenium	4	10.6 U	11.7 U	11.0 U
Silver	8.3	1.40 U	**0.180 J**	**0.0880 J**
Cyanide				
Cyanide, Total	27	0.57 U	R	R
Cyanide, Free	--	0.23 U	0.25 U	0.24 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-56	CGSB-57	CGSB-57
Sample ID:		CGSB-56 (30-31)	CGSB-57 (5-8)	CGSB-XX(0-2)_06_21_2006
Sample Interval (feet bgs):		30.00 to 31.00	5.00 to 8.00	5.00 to 8.00
Sample Interval (feet NAVD88):		-8.81 to -9.81	7.55 to 4.55	7.55 to 4.55
Parameter / Sample Date:	Soil Cleanup Objective[5]	6/5/2006	6/21/2006	6/21/2006
Volatile Organic Compounds				
Acetone	0.05	0.023 UJ	0.023 UJB	0.023 UJB
Benzene	0.06	0.0056 U	0.0056 U	**0.0034 J**
Bromodichloromethane	--	0.0056 U	0.0056 U	0.0058 U
Bromoform	--	0.0056 U	0.0056 U	0.0058 U
Bromomethane	--	0.0056 U	0.0056 U	0.0058 UJ
Butanone, 2-	0.12	0.011 U	0.011 U	0.012 U
Carbon disulfide	--	0.0056 U	**0.0011 J**	**0.00081 J**
Carbon tetrachloride	0.76	0.0056 U	0.0056 U	0.0058 U
Chlorobenzene	1.1	0.0056 U	0.0056 U	0.0058 U
Chloroethane	--	0.0056 U	0.0056 U	0.0058 U
Chloroform	0.37	0.0056 U	0.0056 U	0.0058 U
Chloromethane	--	0.0056 U	0.0056 U	0.0058 U
Dibromochloromethane	--	0.0056 U	0.0056 U	0.0058 U
Dichloroethane, 1,1-	0.27	0.0056 U	0.0056 U	0.0058 U
Dichloroethane, 1,2-	0.02	0.0056 U	0.0056 U	0.0058 U
Dichloroethene, 1,1-	0.33	0.0056 U	0.0056 U	0.0058 U
Dichloroethene, cis-1,2-	0.25	0.0056 U	0.0056 U	0.0058 U
Dichloroethene, trans-1,2-	0.19	0.0056 U	0.0056 U	0.0058 U
Dichloropropane, 1,2-	--	0.0056 U	0.0056 U	0.0058 U
Dichloropropene, cis-1,3-	--	0.0056 U	0.0056 U	0.0058 U
Dichloropropene, trans-1,3-	--	0.0056 U	0.0056 U	0.0058 U
Ethylbenzene	1	0.0056 U	0.0056 U	0.0058 U
Hexanone, 2-	--	0.011 U	0.011 U	0.012 U
Methyl-2-pentanone, 4-	--	0.011 U	0.011 U	0.012 U
Methylene chloride	0.05	0.023 UJB	0.023 UJB	0.023 UJB
Styrene	--	0.0056 U	0.0056 U	0.0058 U
Tetrachloroethane, 1,1,2,2-	--	0.0056 U	0.0056 U	0.0058 U
Tetrachloroethene	1.3	0.0056 U	0.0056 U	0.0058 U
Toluene	0.7	0.0056 U	0.0056 U	0.0058 U
Trichloroethane, 1,1,1-	0.68	0.0056 U	0.0056 U	0.0058 U
Trichloroethane, 1,1,2-	--	0.0056 U	0.0056 U	0.0058 U
Trichloroethene	0.47	0.0056 U	0.0056 U	0.0058 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0056 U	0.0056 UJ	0.0058 U
Xylenes, Total	1.6	0.0056 U	0.0056 U	0.0058 U
Semivolatile Organic Compounds				
Acenaphthene	98	0.36 U	**0.067 J**	0.36 U
Acenaphthylene	100	0.36 U	**0.046 J**	0.36 U
Anthracene	100	0.36 U	**0.18 J**	**0.077 J**
Benzo(a)anthracene	1	0.36 U	**0.51**	**0.22 J**
Benzo(a)pyrene	1	0.36 U	**0.48**	**0.27 J**

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-56	CGSB-57	CGSB-57
Sample ID:		CGSB-56 (30-31)	CGSB-57 (5-8)	CGSB-XX(0-2)_06_21_2006
Sample Interval (feet bgs):		30.00 to 31.00	5.00 to 8.00	5.00 to 8.00
Sample Interval (feet NAVD88):		-8.81 to -9.81	7.55 to 4.55	7.55 to 4.55
Parameter / Sample Date:	Soil Cleanup Objective[5]	6/5/2006	6/21/2006	6/21/2006
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.36 U	**0.56**	**0.16 J**
Benzo(g,h,i)perylene	100	0.36 U	**0.50**	**0.29 J**
Benzo(k)fluoranthene	1.7	0.36 U	**0.20 J**	**0.18 J**
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.36 U	0.36 UJ	0.36 U
Bis(2-chloroethoxy)methane	--	0.36 U	0.36 U	0.36 U
Bis(2-chloroethyl)ether	--	0.36 U	0.36 U	0.36 U
Bis(2-ethylhexyl)phthalate	--	**0.95 J**	0.36 U	0.36 U
Bromophenyl phenyl ether, 4-	--	0.36 U	0.36 U	0.36 U
Butyl benzyl phthalate	--	0.36 U	0.36 U	0.36 U
Carbazole	--	0.36 U	0.36 U	0.36 U
Chloro-3-methylphenol, 4-	--	0.36 U	0.36 U	0.36 U
Chloroaniline, 4-	--	0.36 U	0.36 U	0.36 U
Chloronaphthalene, 2-	--	0.36 U	0.36 U	0.36 U
Chlorophenol, 2-	--	0.36 U	0.36 U	0.36 U
Chlorophenyl phenyl ether, 4-	--	0.36 U	0.36 U	0.36 U
Chrysene	1	0.36 U	**0.54**	**0.30 J**
Dibenzo(a,h)anthracene	0.33	0.36 U	**0.13 J**	0.36 U
Dibenzofuran	59	0.36 U	0.36 U	0.36 U
Dichlorobenzene, 1,2-	1.1	0.36 U	0.36 U	0.36 U
Dichlorobenzene, 1,3-	2.4	0.36 U	0.36 U	0.36 U
Dichlorobenzene, 1,4-	1.8	0.36 U	0.36 U	0.36 U
Dichlorobenzidine, 3,3-	--	0.73 U	0.72 U	0.72 U
Dichlorophenol, 2,4-	--	0.36 U	0.36 U	0.36 U
Diethyl phthalate	--	0.36 U	0.36 U	0.36 UJB
Dimethylphenol, 2,4-	--	0.36 U	0.36 U	0.36 UJ
Dimethyl phthalate	--	0.36 U	0.36 U	0.36 U
Di-n-butyl phthalate	--	0.36 U	0.36 U	0.36 U
Di-n-octyl phthalate	--	0.36 U	0.36 U	0.36 U
Dinitro-2-methylphenol, 4,6-	--	1.8 U	1.8 U	1.7 U
Dinitrophenol, 2,4-	--	1.8 U	1.8 U	1.7 U
Dinitrotoluene, 2,4-	--	0.36 U	0.36 U	0.36 U
Dinitrotoluene, 2,6-	--	0.36 U	0.36 U	0.36 U
Fluoranthene	100	0.36 U	**0.94**	**0.34 J**
Fluorene	100	0.36 U	**0.061 J**	0.36 U
Hexachlorobenzene	1.2	0.36 U	0.36 U	0.36 U
Hexachlorobutadiene	--	0.36 U	0.36 U	0.36 U
Hexachlorocyclopentadiene	--	0.36 U	0.36 U	0.36 U
Hexachloroethane	--	0.36 U	0.36 U	0.36 U
Indeno(1,2,3-cd)pyrene	0.5	0.36 U	**0.42**	**0.21 J**
Isophorone	--	0.36 U	0.36 U	0.36 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-56	CGSB-57	CGSB-57
Sample ID:		CGSB-56 (30-31)	CGSB-57 (5-8)	CGSB-XX(0-2)_06_21_2006
Sample Interval (feet bgs):		30.00 to 31.00	5.00 to 8.00	5.00 to 8.00
Sample Interval (feet NAVD88):		-8.81 to -9.81	7.55 to 4.55	7.55 to 4.55
Parameter / Sample Date:	Soil Cleanup Objective[5]	6/5/2006	6/21/2006	6/21/2006
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.36 U	**0.10 J**	0.36 U
Methylphenol, 2-	0.33	0.36 U	0.36 U	0.36 U
Methylphenol, 4-	0.33	0.36 U	0.36 U	0.36 U
Naphthalene	12	0.36 U	**0.19 J**	**0.097 J**
Nitroaniline, 2-	--	1.8 U	1.8 U	1.7 U
Nitroaniline, 3-	--	1.8 U	1.8 U	1.7 U
Nitroaniline, 4-	--	0.73 U	0.72 U	0.72 U
Nitrobenzene	--	0.36 U	0.36 U	0.36 U
Nitrophenol, 2-	--	0.36 U	0.36 U	0.36 U
Nitrophenol, 4-	--	1.8 U	1.8 U	1.7 U
N-Nitrosodi-n-propylamine	--	0.36 U	0.36 U	0.36 U
N-Nitrosodiphenylamine	--	0.36 U	0.36 U	0.36 U
Oxybis(1-chloropropane), 2,2'-	--	0.36 U	0.36 U	0.36 U
Pentachlorophenol	0.8	1.8 U	1.8 U	1.7 U
Phenanthrene	100	0.36 U	**0.52**	**0.19 J**
Phenol	0.33	0.36 U	0.36 U	0.36 U
Pyrene	100	0.36 U	**0.95**	**0.48**
Trichlorobenzene, 1,2,4-	--	0.36 U	0.36 U	0.36 U
Trichlorophenol, 2,4,5-	--	1.8 U	1.8 U	1.7 U
Trichlorophenol, 2,4,6-	--	0.36 U	0.36 U	0.36 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-56	CGSB-57	CGSB-57
Sample ID:		CGSB-56 (30-31)	CGSB-57 (5-8)	CGSB-XX(0-2)_06_21_2006
Sample Interval (feet bgs):		30.00 to 31.00	5.00 to 8.00	5.00 to 8.00
Sample Interval (feet NAVD88):	Soil Cleanup	-8.81 to -9.81	7.55 to 4.55	7.55 to 4.55
Parameter / Sample Date:	Objective[5]	6/5/2006	6/21/2006	6/21/2006
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**3.10 J**	**2.90 B**	**3.20 J**
Barium	400	**37.7**	**59.6 J**	**54.0 J**
Cadmium	4.3	2.80 U	2.80 U	3.30 U
Chromium	19	**11.4 J**	**13.2**	**20.2**
Lead	400	**5.60 J**	**18.0 J**	**28.8 J**
Mercury	0.73	0.0440 U	**0.210 J**	**0.0700 J**
Selenium	4	14.7 UJ	14.8 UJ	17.8 UJ
Silver	8.3	2.80 U	2.80 U	3.30 U
Cyanide				
Cyanide, Total	27	0.57 U	0.57 UJ	0.58 UJ
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-57	CGSB-58	CGSB-58
Sample ID:		CGSB-57 (25-28)	CGSB58 (34.5-36)	CGSBXX(0-5)_05_20_2006
Sample Interval (feet bgs):		25.00 to 28.00	34.50 to 36.00	34.50 to 36.00
Sample Interval (feet NAVD88):	Soil Cleanup	-12.45 to -15.45	-27.19 to -28.69	-27.19 to -28.69
Parameter / Sample Date:	Objective[5]	6/21/2006	5/20/2006	5/20/2006
Volatile Organic Compounds				
Acetone	0.05	0.024 UJB	1.5 UJB	1.6 UJB
Benzene	0.06	**0.0016 J**	**0.13 J**	**0.12 J**
Bromodichloromethane	--	0.0059 U	0.61 U	0.63 U
Bromoform	--	0.0059 U	0.61 U	0.63 U
Bromomethane	--	0.0059 U	0.61 UJ	0.63 UJ
Butanone, 2-	0.12	0.012 U	0.61 U	0.63 U
Carbon disulfide	--	**0.0049 J**	0.61 U	0.63 U
Carbon tetrachloride	0.76	0.0059 U	0.61 U	0.63 U
Chlorobenzene	1.1	0.0059 U	0.61 U	0.63 U
Chloroethane	--	0.0059 U	0.61 U	0.63 U
Chloroform	0.37	0.0059 U	0.61 U	0.63 U
Chloromethane	--	0.0059 U	0.61 U	0.63 U
Dibromochloromethane	--	0.0059 U	0.61 U	0.63 U
Dichloroethane, 1,1-	0.27	0.0059 U	0.61 U	0.63 U
Dichloroethane, 1,2-	0.02	0.0059 U	0.61 U	0.63 U
Dichloroethene, 1,1-	0.33	0.0059 U	0.61 U	0.63 U
Dichloroethene, cis-1,2-	0.25	0.0059 U	0.61 U	0.63 U
Dichloroethene, trans-1,2-	0.19	0.0059 U	0.61 U	0.63 U
Dichloropropane, 1,2-	--	0.0059 U	0.61 U	0.63 U
Dichloropropene, cis-1,3-	--	0.0059 U	0.61 U	0.63 U
Dichloropropene, trans-1,3-	--	0.0059 U	0.61 U	0.63 U
Ethylbenzene	1	0.0059 U	**6.2**	**4.0**
Hexanone, 2-	--	0.012 U	0.61 U	0.63 U
Methyl-2-pentanone, 4-	--	0.012 U	0.61 U	0.63 U
Methylene chloride	0.05	0.024 UJB	0.61 UJB	0.63 UJB
Styrene	--	0.0059 U	0.61 U	0.63 U
Tetrachloroethane, 1,1,2,2-	--	0.0059 U	0.61 U	0.63 U
Tetrachloroethene	1.3	0.0059 U	0.61 U	0.63 U
Toluene	0.7	0.0059 U	**0.21 J**	**0.20 J**
Trichloroethane, 1,1,1-	0.68	0.0059 U	0.61 U	0.63 U
Trichloroethane, 1,1,2-	--	0.0059 U	0.61 U	0.63 U
Trichloroethene	0.47	0.0059 U	0.61 U	0.63 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0059 UJ	0.61 U	0.63 U
Xylenes, Total	1.6	0.0059 U	**5.8**	**4.1**
Semivolatile Organic Compounds				
Acenaphthene	98	0.38 U	**20 J**	**9.7 J**
Acenaphthylene	100	0.38 U	**2.3 J**	**1.0 J**
Anthracene	100	0.38 U	**9.4 J**	**4.7 J**
Benzo(a)anthracene	1	0.38 U	**5.9 H**	**2.6 H**
Benzo(a)pyrene	1	0.38 U	**3.5 J**	**1.5 J**

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-57	CGSB-58	CGSB-58
Sample ID:		CGSB-57 (25-28)	CGSB58 (34.5-36)	CGSBXX(0-5)_05_20_2006
Sample Interval (feet bgs):		25.00 to 28.00	34.50 to 36.00	34.50 to 36.00
Sample Interval (feet NAVD88):	Soil Cleanup	-12.45 to -15.45	-27.19 to -28.69	-27.19 to -28.69
Parameter / Sample Date:	Objective[5]	6/21/2006	5/20/2006	5/20/2006
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.38 U	**3.5 J**	**1.7 J**
Benzo(g,h,i)perylene	100	0.38 U	**2.4 J**	**1.1 J**
Benzo(k)fluoranthene	1.7	0.38 U	3.9 UJ	2.1 UJ
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.38 U	3.9 U	2.1 U
Bis(2-chloroethoxy)methane	--	0.38 U	3.9 U	2.1 U
Bis(2-chloroethyl)ether	--	0.38 U	3.9 U	2.1 U
Bis(2-ethylhexyl)phthalate	--	0.38 UJ	3.9 U	2.1 U
Bromophenyl phenyl ether, 4-	--	0.38 U	3.9 U	2.1 U
Butyl benzyl phthalate	--	0.38 U	3.9 U	2.1 U
Carbazole	--	0.38 U	3.9 U	2.1 U
Chloro-3-methylphenol, 4-	--	0.38 U	3.9 U	2.1 U
Chloroaniline, 4-	--	0.38 U	3.9 U	2.1 U
Chloronaphthalene, 2-	--	0.38 U	3.9 U	2.1 U
Chlorophenol, 2-	--	0.38 U	3.9 U	2.1 U
Chlorophenyl phenyl ether, 4-	--	0.38 U	3.9 U	2.1 U
Chrysene	1	0.38 U	**5.3**	**2.3**
Dibenzo(a,h)anthracene	0.33	0.38 U	3.9 U	2.1 U
Dibenzofuran	59	0.38 U	**0.97 J**	**0.52 J**
Dichlorobenzene, 1,2-	1.1	0.38 U	3.9 U	2.1 U
Dichlorobenzene, 1,3-	2.4	0.38 U	3.9 U	2.1 U
Dichlorobenzene, 1,4-	1.8	0.38 U	3.9 U	2.1 U
Dichlorobenzidine, 3,3-	--	0.76 U	7.7 U	4.1 U
Dichlorophenol, 2,4-	--	0.38 U	3.9 U	2.1 U
Diethyl phthalate	--	0.38 UJB	3.9 U	2.1 U
Dimethylphenol, 2,4-	--	0.38 UJ	3.9 U	2.1 U
Dimethyl phthalate	--	0.38 U	3.9 U	2.1 U
Di-n-butyl phthalate	--	0.38 U	3.9 U	2.1 U
Di-n-octyl phthalate	--	0.38 U	3.9 U	2.1 U
Dinitro-2-methylphenol, 4,6-	--	1.8 U	19 U	10 U
Dinitrophenol, 2,4-	--	1.8 U	19 U	10 U
Dinitrotoluene, 2,4-	--	0.38 U	3.9 U	2.1 U
Dinitrotoluene, 2,6-	--	0.38 U	3.9 U	2.1 U
Fluoranthene	100	0.38 U	**7.3**	**3.7 J**
Fluorene	100	0.38 U	**11 J**	**5.3 J**
Hexachlorobenzene	1.2	0.38 U	3.9 U	2.1 U
Hexachlorobutadiene	--	0.38 U	3.9 U	2.1 U
Hexachlorocyclopentadiene	--	0.38 U	3.9 U	2.1 U
Hexachloroethane	--	0.38 U	3.9 U	2.1 U
Indeno(1,2,3-cd)pyrene	0.5	0.38 U	**1.7 J**	**0.75 J**
Isophorone	--	0.38 U	3.9 U	2.1 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-57	CGSB-58	CGSB-58
Sample ID:		CGSB-57 (25-28)	CGSB58 (34.5-36)	CGSBXX(0-5)_05_20_2006
Sample Interval (feet bgs):		25.00 to 28.00	34.50 to 36.00	34.50 to 36.00
Sample Interval (feet NAVD88):	Soil Cleanup	-12.45 to -15.45	-27.19 to -28.69	-27.19 to -28.69
Parameter Sample Date:	Objective[5]	6/21/2006	5/20/2006	5/20/2006
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.38 U	**23 J**	**11 J**
Methylphenol, 2-	0.33	0.38 U	3.9 U	2.1 U
Methylphenol, 4-	0.33	0.38 U	3.9 U	2.1 U
Naphthalene	12	0.38 U	**36 J**	**18 J**
Nitroaniline, 2-	--	1.8 U	19 U	10 U
Nitroaniline, 3-	--	1.8 U	19 U	10 U
Nitroaniline, 4-	--	0.76 U	7.7 U	4.1 U
Nitrobenzene	--	0.38 U	3.9 U	2.1 U
Nitrophenol, 2-	--	0.38 U	3.9 U	2.1 U
Nitrophenol, 4-	--	1.8 U	19 U	10 U
N-Nitrosodi-n-propylamine	--	0.38 U	3.9 U	2.1 U
N-Nitrosodiphenylamine	--	0.38 U	3.9 U	2.1 U
Oxybis(1-chloropropane), 2,2'-	--	0.38 U	3.9 U	2.1 U
Pentachlorophenol	0.8	1.8 U	19 U	10 U
Phenanthrene	100	0.38 U	**31 J**	**16 J**
Phenol	0.33	0.38 U	3.9 U	2.1 U
Pyrene	100	0.38 U	**19 J**	**8.3 J**
Trichlorobenzene, 1,2,4-	--	0.38 U	3.9 U	2.1 U
Trichlorophenol, 2,4,5-	--	1.8 U	19 U	10 U
Trichlorophenol, 2,4,6-	--	0.38 U	3.9 U	2.1 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-57	CGSB-58	CGSB-58
Sample ID:		CGSB-57 (25-28)	CGSB58 (34.5-36)	CGSBXX(0-5)_05_20_2006
Sample Interval (feet bgs):		25.00 to 28.00	34.50 to 36.00	34.50 to 36.00
Sample Interval (feet NAVD88):	Soil Cleanup	-12.45 to -15.45	-27.19 to -28.69	-27.19 to -28.69
Parameter / Sample Date:	Objective[5]	6/21/2006	5/20/2006	5/20/2006
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	8.20 U	**1.70 J**	**5.40 B**
Barium	400	2.10 U	**18.6 J**	**19.5 J**
Cadmium	4.3	3.10 U	3.90 U	3.30 U
Chromium	19	**9.20**	**5.40**	**5.90**
Lead	400	9.20 UB	**2.50 J**	**3.30 B***
Mercury	0.73	0.0580 U	0.0510 U	**0.0140 J**
Selenium	4	16.4 UJ	20.8 U	17.4 U
Silver	8.3	3.10 U	3.90 U	3.30 U
Cyanide				
Cyanide, Total	27	0.59 UJ	0.61 UJ	0.63 UJ
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-58	CGSB-59	CGSB-59
Sample ID:		CGSB58 (67.5-69)	CGSB-59 (9-10)	CGSB-59 (20-22)
Sample Interval (feet bgs):		67.50 to 69.00	9.00 to 10.00	20.00 to 22.00
Sample Interval (feet NAVD88):	Soil Cleanup	-60.19 to -61.69	-0.07 to -1.07	-11.07 to -13.07
Parameter / Sample Date:	Objective[5]	5/20/2006	6/9/2006	6/9/2006
Volatile Organic Compounds				
Acetone	0.05	0.024 UJB	1.7 UJB	0.026 UJ
Benzene	0.06	0.0061 U	**0.23 J**	0.0066 U
Bromodichloromethane	--	0.0061 U	0.70 U	0.0066 U
Bromoform	--	0.0061 U	0.70 U	0.0066 U
Bromomethane	--	0.0061 UJ	0.70 U	0.0066 U
Butanone, 2-	0.12	0.012 UJ	0.70 U	0.013 U
Carbon disulfide	--	0.0061 U	0.70 U	0.0066 U
Carbon tetrachloride	0.76	0.0061 U	0.70 U	0.0066 U
Chlorobenzene	1.1	0.0061 U	0.70 U	0.0066 U
Chloroethane	--	0.0061 U	0.70 U	0.0066 U
Chloroform	0.37	0.0061 U	0.70 U	0.0066 U
Chloromethane	--	0.0061 U	0.70 U	0.0066 U
Dibromochloromethane	--	0.0061 U	0.70 U	0.0066 U
Dichloroethane, 1,1-	0.27	0.0061 U	0.70 U	0.0066 U
Dichloroethane, 1,2-	0.02	0.0061 U	0.70 U	0.0066 U
Dichloroethene, 1,1-	0.33	0.0061 U	0.70 U	0.0066 U
Dichloroethene, cis-1,2-	0.25	0.0061 U	0.70 U	0.0066 U
Dichloroethene, trans-1,2-	0.19	0.0061 U	0.70 U	0.0066 U
Dichloropropane, 1,2-	--	0.0061 U	0.70 U	0.0066 U
Dichloropropene, cis-1,3-	--	0.0061 U	0.70 U	0.0066 U
Dichloropropene, trans-1,3-	--	0.0061 U	0.70 U	0.0066 U
Ethylbenzene	1	0.0061 U	**0.48 J**	0.0066 U
Hexanone, 2-	--	0.012 UJ	0.70 U	0.013 U
Methyl-2-pentanone, 4-	--	0.012 U	0.70 U	0.013 U
Methylene chloride	0.05	0.024 UJB	0.70 UJB	0.026 UJB
Styrene	--	0.0061 U	0.70 U	0.0066 U
Tetrachloroethane, 1,1,2,2-	--	0.0061 U	0.70 U	0.0066 U
Tetrachloroethene	1.3	0.0061 U	0.70 U	0.0066 U
Toluene	0.7	0.0061 U	0.70 U	0.0066 U
Trichloroethane, 1,1,1-	0.68	0.0061 U	0.70 U	0.0066 U
Trichloroethane, 1,1,2-	--	0.0061 U	0.70 U	0.0066 U
Trichloroethene	0.47	0.0061 U	0.70 U	0.0066 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0061 U	0.70 U	0.0066 U
Xylenes, Total	1.6	0.0061 U	**0.25 J**	0.0066 U
Semivolatile Organic Compounds				
Acenaphthene	98	0.39 U	**7.8 J**	**0.11 J**
Acenaphthylene	100	0.39 U	8.7 U	0.42 U
Anthracene	100	0.39 U	**4.1 J**	0.42 U
Benzo(a)anthracene	1	0.39 U	8.7 U	0.42 U
Benzo(a)pyrene	1	0.39 U	8.7 U	0.42 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-58	CGSB-59	CGSB-59
Sample ID:		CGSB58 (67.5-69)	CGSB-59 (9-10)	CGSB-59 (20-22)
Sample Interval (feet bgs):		67.50 to 69.00	9.00 to 10.00	20.00 to 22.00
Sample Interval (feet NAVD88):	Soil Cleanup	-60.19 to -61.69	-0.07 to -1.07	-11.07 to -13.07
Parameter / Sample Date:	Objective[5]	5/20/2006	6/9/2006	6/9/2006
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.39 U	8.7 U	0.42 U
Benzo(g,h,i)perylene	100	0.39 U	8.7 U	0.42 UJ
Benzo(k)fluoranthene	1.7	0.39 U	8.7 U	0.42 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.39 U	8.7 U	0.42 U
Bis(2-chloroethoxy)methane	--	0.39 U	8.7 U	0.42 U
Bis(2-chloroethyl)ether	--	0.39 U	8.7 U	0.42 U
Bis(2-ethylhexyl)phthalate	--	0.39 U	8.7 U	**0.11 J**
Bromophenyl phenyl ether, 4-	--	0.39 U	8.7 U	0.42 U
Butyl benzyl phthalate	--	0.39 U	8.7 U	0.42 U
Carbazole	--	0.39 U	8.7 U	0.42 U
Chloro-3-methylphenol, 4-	--	0.39 U	8.7 U	0.42 U
Chloroaniline, 4-	--	0.39 U	8.7 U	0.42 U
Chloronaphthalene, 2-	--	0.39 U	8.7 U	0.42 U
Chlorophenol, 2-	--	0.39 U	8.7 U	0.42 U
Chlorophenyl phenyl ether, 4-	--	0.39 U	8.7 U	0.42 U
Chrysene	1	0.39 U	8.7 U	0.42 U
Dibenzo(a,h)anthracene	0.33	0.39 U	8.7 U	0.42 UJ
Dibenzofuran	59	0.39 U	**6.0 J**	0.42 U
Dichlorobenzene, 1,2-	1.1	0.39 U	8.7 U	0.42 U
Dichlorobenzene, 1,3-	2.4	0.39 U	8.7 U	0.42 U
Dichlorobenzene, 1,4-	1.8	0.39 U	8.7 U	0.42 U
Dichlorobenzidine, 3,3-	--	0.79 U	17 U	0.83 U
Dichlorophenol, 2,4-	--	0.39 U	8.7 U	0.42 U
Diethyl phthalate	--	0.39 U	8.7 U	0.42 U
Dimethylphenol, 2,4-	--	0.39 U	8.7 U	0.42 U
Dimethyl phthalate	--	0.39 U	8.7 U	0.42 U
Di-n-butyl phthalate	--	0.39 U	8.7 U	0.42 U
Di-n-octyl phthalate	--	0.39 U	8.7 U	0.42 U
Dinitro-2-methylphenol, 4,6-	--	1.9 U	42 U	2.0 U
Dinitrophenol, 2,4-	--	1.9 U	42 U	2.0 U
Dinitrotoluene, 2,4-	--	0.39 U	8.7 U	0.42 U
Dinitrotoluene, 2,6-	--	0.39 U	8.7 U	0.42 U
Fluoranthene	100	0.39 U	**3.0 J**	0.42 U
Fluorene	100	0.39 U	**14**	**0.18 J**
Hexachlorobenzene	1.2	0.39 U	8.7 U	0.42 U
Hexachlorobutadiene	--	0.39 U	8.7 U	0.42 U
Hexachlorocyclopentadiene	--	0.39 U	8.7 U	0.42 U
Hexachloroethane	--	0.39 U	8.7 U	0.42 U
Indeno(1,2,3-cd)pyrene	0.5	0.39 U	8.7 U	0.42 UJ
Isophorone	--	0.39 U	8.7 U	0.42 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-58	CGSB-59	CGSB-59
Sample ID:		CGSB58 (67.5-69)	CGSB-59 (9-10)	CGSB-59 (20-22)
Sample Interval (feet bgs):		67.50 to 69.00	9.00 to 10.00	20.00 to 22.00
Sample Interval (feet NAVD88):	Soil Cleanup	-60.19 to -61.69	-0.07 to -1.07	-11.07 to -13.07
Parameter / Sample Date:	Objective[5]	5/20/2006	6/9/2006	6/9/2006
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.39 U	**83**	**0.57**
Methylphenol, 2-	0.33	0.39 U	8.7 U	0.42 U
Methylphenol, 4-	0.33	0.39 U	8.7 U	0.42 U
Naphthalene	12	0.39 U	8.7 U	0.42 U
Nitroaniline, 2-	--	1.9 U	42 U	2.0 U
Nitroaniline, 3-	--	1.9 U	42 U	2.0 U
Nitroaniline, 4-	--	0.79 U	17 U	0.83 U
Nitrobenzene	--	0.39 U	8.7 U	0.42 U
Nitrophenol, 2-	--	0.39 U	8.7 U	0.42 U
Nitrophenol, 4-	--	1.9 U	42 U	2.0 U
N-Nitrosodi-n-propylamine	--	0.39 U	8.7 U	0.42 U
N-Nitrosodiphenylamine	--	0.39 U	8.7 U	0.42 U
Oxybis(1-chloropropane), 2,2'-	--	0.39 U	8.7 U	0.42 U
Pentachlorophenol	0.8	1.9 U	42 U	2.0 U
Phenanthrene	100	0.39 U	**28**	**0.38 J**
Phenol	0.33	0.39 U	8.7 U	0.42 U
Pyrene	100	0.39 U	**5.2 J**	**0.091 J**
Trichlorobenzene, 1,2,4-	--	0.39 U	8.7 U	0.42 U
Trichlorophenol, 2,4,5-	--	1.9 U	42 U	2.0 U
Trichlorophenol, 2,4,6-	--	0.39 U	8.7 U	0.42 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-58	CGSB-59	CGSB-59
Sample ID:		CGSB58 (67.5-69)	CGSB-59 (9-10)	CGSB-59 (20-22)
Sample Interval (feet bgs):		67.50 to 69.00	9.00 to 10.00	20.00 to 22.00
Sample Interval (feet NAVD88):	Soil Cleanup	-60.19 to -61.69	-0.07 to -1.07	-11.07 to -13.07
Parameter / Sample Date:	Objective[5]	5/20/2006	6/9/2006	6/9/2006
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	7.70 U	**6.90 B**	**6.10 B**
Barium	400	**15.2 J**	**207**	**30.6 J**
Cadmium	4.3	2.90 U	4.30 U	4.70 U
Chromium	19	**4.40**	**5.80 J**	**14.8 J**
Lead	400	**4.10 B***	**63.7 J**	**7.10 J**
Mercury	0.73	0.0390 U	**4.80**	0.0450 U
Selenium	4	15.5 U	23.1 UJ	25.2 UJ
Silver	8.3	2.90 U	4.30 U	4.70 U
Cyanide				
Cyanide, Total	27	0.61 UJ	0.70 U	0.66 U
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-59	CGSB-60	CGSB-79
Sample ID:		CGSB-59 (42-45)	CGSB-60 (35-38)	CGSB-79 (2-3)
Sample Interval (feet bgs):		42.00 to 45.00	35.00 to 38.00	2.00 to 3.00
Sample Interval (feet NAVD88):		-33.07 to -36.07	-29.76 to -32.76	4.42 to 3.42
Parameter / Sample Date:	Soil Cleanup Objective[5]	6/9/2006	6/6/2006	12/17/2009
Volatile Organic Compounds				
Acetone	0.05	0.023 U	0.024 UJ	0.024 U
Benzene	0.06	0.0057 U	0.0061 U	**0.0013 J**
Bromodichloromethane	--	0.0057 U	0.0061 U	0.0059 U
Bromoform	--	0.0057 UJ	0.0061 U	0.0059 U
Bromomethane	--	0.0057 U	0.0061 U	0.0059 U
Butanone, 2-	0.12	R	0.012 U	0.012 UJ
Carbon disulfide	--	0.0057 U	0.0061 U	0.0059 U
Carbon tetrachloride	0.76	0.0057 U	0.0061 U	0.0059 U
Chlorobenzene	1.1	0.0057 U	0.0061 U	0.0059 U
Chloroethane	--	0.0057 U	0.0061 U	0.0059 U
Chloroform	0.37	0.0057 U	0.0061 U	0.0059 U
Chloromethane	--	0.0057 U	0.0061 U	0.0059 U
Dibromochloromethane	--	0.0057 U	0.0061 U	0.0059 U
Dichloroethane, 1,1-	0.27	0.0057 U	0.0061 U	0.0059 U
Dichloroethane, 1,2-	0.02	0.0057 U	0.0061 U	0.0059 U
Dichloroethene, 1,1-	0.33	0.0057 U	0.0061 U	0.0059 U
Dichloroethene, cis-1,2-	0.25	0.0057 U	0.0061 U	0.0059 U
Dichloroethene, trans-1,2-	0.19	0.0057 U	0.0061 U	0.0059 U
Dichloropropane, 1,2-	--	0.0057 U	0.0061 U	0.0059 U
Dichloropropene, cis-1,3-	--	0.0057 U	0.0061 U	0.0059 U
Dichloropropene, trans-1,3-	--	0.0057 U	0.0061 U	0.0059 U
Ethylbenzene	1	0.0057 U	0.0061 U	0.0059 U
Hexanone, 2-	--	0.011 U	0.012 U	0.012 U
Methyl-2-pentanone, 4-	--	0.011 U	0.012 U	0.0059 U
Methylene chloride	0.05	0.023 UJB	0.024 UJB	0.024 U
Styrene	--	0.0057 U	0.0061 U	0.0059 U
Tetrachloroethane, 1,1,2,2-	--	0.0057 U	0.0061 U	0.0059 U
Tetrachloroethene	1.3	0.0057 U	0.0061 U	0.0059 U
Toluene	0.7	0.0057 U	0.0061 U	0.0059 U
Trichloroethane, 1,1,1-	0.68	0.0057 U	**0.0030 J**	0.0059 U
Trichloroethane, 1,1,2-	--	0.0057 U	0.0061 U	0.0059 U
Trichloroethene	0.47	0.0057 U	0.0061 U	0.0059 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0057 U	0.0061 U	0.0059 U
Xylenes, Total	1.6	0.0057 U	0.0061 U	**0.0018 J**
Semivolatile Organic Compounds				
Acenaphthene	98	0.38 U	0.38 U	**1.3 J**
Acenaphthylene	100	0.38 U	0.38 U	**0.18 J**
Anthracene	100	0.38 U	0.38 U	**2.5 J**
Benzo(a)anthracene	1	0.38 U	0.38 U	**6.3 J**
Benzo(a)pyrene	1	0.38 U	0.38 U	**6.7 J**

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-59	CGSB-60	CGSB-79
Sample ID:		CGSB-59 (42-45)	CGSB-60 (35-38)	CGSB-79 (2-3)
Sample Interval (feet bgs):		42.00 to 45.00	35.00 to 38.00	2.00 to 3.00
Sample Interval (feet NAVD88):	Soil Cleanup	-33.07 to -36.07	-29.76 to -32.76	4.42 to 3.42
Parameter / Sample Date:	Objective[5]	6/9/2006	6/6/2006	12/17/2009
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.38 U	0.38 U	**9 J**
Benzo(g,h,i)perylene	100	0.38 UJ	0.38 U	**4.1 J**
Benzo(k)fluoranthene	1.7	0.38 U	0.38 U	**3.6 J**
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.38 U	0.38 U	1.6 U
Bis(2-chloroethoxy)methane	--	0.38 U	0.38 U	1.6 U
Bis(2-chloroethyl)ether	--	0.38 U	0.38 U	1.6 U
Bis(2-ethylhexyl)phthalate	--	**0.095 J**	0.38 UMB	1.6 U
Bromophenyl phenyl ether, 4-	--	0.38 U	0.38 U	1.6 U
Butyl benzyl phthalate	--	0.38 U	0.38 U	1.6 U
Carbazole	--	0.38 U	0.38 U	**1.5 J**
Chloro-3-methylphenol, 4-	--	0.38 U	0.38 U	1.6 U
Chloroaniline, 4-	--	0.38 U	0.38 U	1.6 U
Chloronaphthalene, 2-	--	0.38 U	0.38 U	1.6 U
Chlorophenol, 2-	--	0.38 U	0.38 U	1.6 U
Chlorophenyl phenyl ether, 4-	--	0.38 U	0.38 U	1.6 U
Chrysene	1	0.38 U	0.38 U	**7 J**
Dibenzo(a,h)anthracene	0.33	0.38 UJ	0.38 U	**0.86 J**
Dibenzofuran	59	0.38 U	0.38 U	**0.66 J**
Dichlorobenzene, 1,2-	1.1	0.38 U	0.38 U	1.6 U
Dichlorobenzene, 1,3-	2.4	0.38 U	0.38 U	1.6 U
Dichlorobenzene, 1,4-	1.8	0.38 U	0.38 U	1.6 U
Dichlorobenzidine, 3,3-	--	0.75 U	0.76 U	1.9 U
Dichlorophenol, 2,4-	--	0.38 U	0.38 U	1.6 U
Diethyl phthalate	--	0.38 U	0.38 U	1.6 U
Dimethylphenol, 2,4-	--	0.38 U	0.38 U	1.6 U
Dimethyl phthalate	--	0.38 U	0.38 U	1.6 U
Di-n-butyl phthalate	--	0.38 U	0.38 U	1.6 U
Di-n-octyl phthalate	--	0.38 U	0.38 U	9.9 U
Dinitro-2-methylphenol, 4,6-	--	1.8 U	1.8 U	9.9 U
Dinitrophenol, 2,4-	--	1.8 U	1.8 U	1.6 U
Dinitrotoluene, 2,4-	--	0.38 U	0.38 U	1.6 U
Dinitrotoluene, 2,6-	--	0.38 U	0.38 U	1.6 U
Fluoranthene	100	0.38 U	0.38 U	**13 J**
Fluorene	100	0.38 U	0.38 U	**0.92 J**
Hexachlorobenzene	1.2	0.38 U	0.38 U	1.6 U
Hexachlorobutadiene	--	0.38 U	0.38 U	1.6 U
Hexachlorocyclopentadiene	--	0.38 U	0.38 U	3.9 U
Hexachloroethane	--	0.38 U	0.38 U	1.6 U
Indeno(1,2,3-cd)pyrene	0.5	0.38 UJ	0.38 U	**4 J**
Isophorone	--	0.38 U	0.38 U	1.6 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-59	CGSB-60	CGSB-79
Sample ID:		CGSB-59 (42-45)	CGSB-60 (35-38)	CGSB-79 (2-3)
Sample Interval (feet bgs):		42.00 to 45.00	35.00 to 38.00	2.00 to 3.00
Sample Interval (feet NAVD88):		-33.07 to -36.07	-29.76 to -32.76	4.42 to 3.42
Parameter / Sample Date:	Soil Cleanup Objective[5]	6/9/2006	6/6/2006	12/17/2009
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.38 U	0.38 U	**0.37 J**
Methylphenol, 2-	0.33	0.38 U	0.38 U	1.6 U
Methylphenol, 4-	0.33	0.38 U	0.38 U	1.6 U
Naphthalene	12	0.38 U	0.38 U	**0.82 J**
Nitroaniline, 2-	--	1.8 U	1.8 U	3.9 U
Nitroaniline, 3-	--	1.8 U	1.8 U	3.9 U
Nitroaniline, 4-	--	0.75 U	0.76 U	**0.57 J**
Nitrobenzene	--	0.38 U	0.38 U	1.6 U
Nitrophenol, 2-	--	0.38 U	0.38 U	1.6 U
Nitrophenol, 4-	--	1.8 U	1.8 U	9.9 UJ
N-Nitrosodi-n-propylamine	--	0.38 U	0.38 U	1.6 U
N-Nitrosodiphenylamine	--	0.38 U	0.38 U	1.6 U
Oxybis(1-chloropropane), 2,2'-	--	0.38 U	0.38 U	1.6 U
Pentachlorophenol	0.8	1.8 U	1.8 U	3.9 U
Phenanthrene	100	0.38 U	0.38 U	**11 J**
Phenol	0.33	0.38 U	0.38 U	1.6 U
Pyrene	100	0.38 U	0.38 U	**13 J**
Trichlorobenzene, 1,2,4-	--	0.38 U	0.38 U	1.6 U
Trichlorophenol, 2,4,5-	--	1.8 U	1.8 U	9.9 U
Trichlorophenol, 2,4,6-	--	0.38 U	0.38 U	1.6 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	0.02 UJ
Aroclor 1221	1	NA	NA	0.02 UJ
Aroclor 1232	1	NA	NA	0.02 UJ
Aroclor 1242	1	NA	NA	0.02 UJ
Aroclor 1248	1	NA	NA	0.02 UJ
Aroclor 1254	1	NA	NA	0.02 UJ
Aroclor 1260	1	NA	NA	**0.0048 J**
Pesticides				
Aldrin	0.097	NA	NA	0.002 UJ
BHC, alpha-	0.02	NA	NA	0.002 U
BHC, beta-	0.09	NA	NA	0.002 UJ
BHC, delta-	0.25	NA	NA	0.002 U
BHC, gamma-	--	NA	NA	0.002 U
Chlordane, alpha-	2.9	NA	NA	0.002 U
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	**0.008 JN**
DDE, 4,4'-	8.9	NA	NA	0.0038 U
DDT, 4,4'-	7.9	NA	NA	**0.02 J**
Dieldrin	0.1	NA	NA	0.0038 U
Endosulfan, alpha-	24	NA	NA	0.002 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-59	CGSB-60	CGSB-79
Sample ID:		CGSB-59 (42-45)	CGSB-60 (35-38)	CGSB-79 (2-3)
Sample Interval (feet bgs):		42.00 to 45.00	35.00 to 38.00	2.00 to 3.00
Sample Interval (feet NAVD88):	Soil Cleanup	-33.07 to -36.07	-29.76 to -32.76	4.42 to 3.42
Parameter / Sample Date:	Objective[5]	6/9/2006	6/6/2006	12/17/2009
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	**0.0079 J**
Endosulfan sulphate	24	NA	NA	0.0038 UJ
Endrin	0.06	NA	NA	0.0038 U
Endrin aldehyde	--	NA	NA	**0.012 J**
Endrin ketone	--	NA	NA	**0.028 J**
Heptachlor	0.38	NA	NA	0.002 UJ
Heptachlor epoxide	--	NA	NA	0.002 UJ
Methoxychlor	--	NA	NA	0.02 UJ
Toxaphene	--	NA	NA	0.096 U
Herbicides				
D, 2,4-	--	NA	NA	0.02 U
T, 2,4,5-	--	NA	NA	0.02 U
TP, 2,4,5-	3.8	NA	NA	0.02 UJ
Metals				
Arsenic	16	**1.30 J**	**61.7**	**26**
Barium	400	**47.4**	**13.6 J**	**631 J**
Cadmium	4.3	2.80 U	3.50 U	**2.8 J**
Chromium	19	**8.00 J**	**6.10 J**	**43.6 J**
Lead	400	**10.3 J**	**3.60 J**	**2,300 J**
Mercury	0.73	0.0410 U	0.0460 U	**1 J**
Selenium	4	14.9 UJ	18.6 UJ	10.9 UJ
Silver	8.3	2.80 U	3.50 U	1.5 UJ
Cyanide				
Cyanide, Total	27	0.57 U	0.61 U	NA
Cyanide, Free	--	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGBS-79	CGSB-79	CGSB-79
Sample ID:		CG XX121709	CGSB-79 (38-40)	CGSB-79 (60-62)
Sample Interval (feet bgs):		2.00 to 3.00	38.00 to 40.00	60.00 to 62.00
Sample Interval (feet NAVD88):	Soil Cleanup	4.42 to 3.42	-31.58 to -33.58	-53.58 to -55.58
Parameter / Sample Date:	Objective[5]	12/17/2009	12/17/2009	12/17/2009
Volatile Organic Compounds				
Acetone	0.05	0.023 U	16 UJ	0.025 U
Benzene	0.06	0.0058 U	**8.7**	**0.0038 J**
Bromodichloromethane	--	0.0058 U	6.2 U	0.0062 U
Bromoform	--	0.0058 U	6.2 U	0.0062 U
Bromomethane	--	0.0058 U	6.2 U	0.0062 U
Butanone, 2-	0.12	0.012 UJ	6.2 U	0.012 U
Carbon disulfide	--	0.0058 U	6.2 U	0.0062 U
Carbon tetrachloride	0.76	0.0058 U	6.2 U	0.0062 U
Chlorobenzene	1.1	0.0058 U	6.2 U	0.0062 U
Chloroethane	--	0.0058 U	6.2 U	0.0062 U
Chloroform	0.37	0.0058 U	6.2 U	0.0062 U
Chloromethane	--	0.0058 U	6.2 U	0.0062 U
Dibromochloromethane	--	0.0058 U	6.2 U	0.0062 U
Dichloroethane, 1,1-	0.27	0.0058 U	6.2 U	0.0062 U
Dichloroethane, 1,2-	0.02	0.0058 U	6.2 U	0.0062 U
Dichloroethene, 1,1-	0.33	0.0058 U	6.2 U	0.0062 U
Dichloroethene, cis-1,2-	0.25	0.0058 U	6.2 U	0.0062 U
Dichloroethene, trans-1,2-	0.19	0.0058 U	6.2 U	0.0062 U
Dichloropropane, 1,2-	--	0.0058 U	6.2 U	0.0062 U
Dichloropropene, cis-1,3-	--	0.0058 U	6.2 U	0.0062 U
Dichloropropene, trans-1,3-	--	0.0058 U	6.2 U	0.0062 U
Ethylbenzene	1	0.0058 U	**170**	**0.016**
Hexanone, 2-	--	0.012 U	6.2 U	0.012 U
Methyl-2-pentanone, 4-	--	0.0058 U	6.2 U	0.0062 U
Methylene chloride	0.05	0.023 U	6.2 U	0.025 U
Styrene	--	0.0058 U	**7.7**	**0.00067 J**
Tetrachloroethane, 1,1,2,2-	--	0.0058 U	6.2 U	0.0062 U
Tetrachloroethene	1.3	**0.00099 J**	6.2 U	0.0062 U
Toluene	0.7	0.0058 U	**79**	0.0062 U
Trichloroethane, 1,1,1-	0.68	0.0058 U	6.2 U	0.0062 U
Trichloroethane, 1,1,2-	--	0.0058 U	6.2 U	0.0062 U
Trichloroethene	0.47	0.0058 U	6.2 U	0.0062 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0058 U	6.2 U	0.0062 U
Xylenes, Total	1.6	**0.00064 J**	**200**	**0.018**
Semivolatile Organic Compounds				
Acenaphthene	98	**0.24 J**	**16 J**	**0.15 J**
Acenaphthylene	100	**0.069 J**	**900**	**0.29 J**
Anthracene	100	**0.51 J**	**460**	**0.27 J**
Benzo(a)anthracene	1	**1.8 J**	**260**	**0.12 J**
Benzo(a)pyrene	1	**1.9 J**	**190**	**0.077 J**

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGBS-79	CGSB-79	CGSB-79
Sample ID:		CG XX121709	CGSB-79 (38-40)	CGSB-79 (60-62)
Sample Interval (feet bgs):		2.00 to 3.00	38.00 to 40.00	60.00 to 62.00
Sample Interval (feet NAVD88):	Soil Cleanup	4.42 to 3.42	-31.58 to -33.58	-53.58 to -55.58
Parameter / Sample Date:	Objective[5]	12/17/2009	12/17/2009	12/17/2009
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	**2.2 J**	**140 J**	**0.059 J**
Benzo(g,h,i)perylene	100	**2 J**	**47 J**	**0.023 J**
Benzo(k)fluoranthene	1.7	**0.87 J**	**46 J**	0.33 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.62 U	170 U	0.33 U
Bis(2-chloroethoxy)methane	--	0.62 U	170 U	0.33 U
Bis(2-chloroethyl)ether	--	0.62 U	170 U	0.33 U
Bis(2-ethylhexyl)phthalate	--	0.62 U	170 U	0.33 U
Bromophenyl phenyl ether, 4-	--	0.62 U	170 U	0.33 U
Butyl benzyl phthalate	--	0.62 UJ	170 U	0.33 U
Carbazole	--	**0.25 J**	**19 J**	**0.032 J**
Chloro-3-methylphenol, 4-	--	0.62 U	170 U	0.33 U
Chloroaniline, 4-	--	0.62 U	170 U	0.33 U
Chloronaphthalene, 2-	--	0.62 U	170 U	0.33 U
Chlorophenol, 2-	--	0.62 U	170 U	0.33 U
Chlorophenyl phenyl ether, 4-	--	0.62 U	170 U	0.33 U
Chrysene	1	**2 J**	**290**	**0.12 J**
Dibenzo(a,h)anthracene	0.33	**0.48 J**	170 U	0.33 U
Dibenzofuran	59	**0.15 J**	170 U	0.33 U
Dichlorobenzene, 1,2-	1.1	0.62 U	170 U	**0.022 J**
Dichlorobenzene, 1,3-	2.4	0.62 U	170 U	0.33 U
Dichlorobenzene, 1,4-	1.8	0.62 U	170 U	0.33 U
Dichlorobenzidine, 3,3-	--	0.75 UJ	200 U	0.4 U
Dichlorophenol, 2,4-	--	0.62 U	170 U	0.33 U
Diethyl phthalate	--	0.62 U	170 U	0.33 U
Dimethylphenol, 2,4-	--	0.62 U	170 U	0.33 U
Dimethyl phthalate	--	0.62 U	170 U	0.33 U
Di-n-butyl phthalate	--	0.62 U	170 U	0.33 U
Di-n-octyl phthalate	--	3.9 U	1,000 U	2.1 U
Dinitro-2-methylphenol, 4,6-	--	3.9 U	1000 U	2.1 U
Dinitrophenol, 2,4-	--	0.62 U	170 U	0.33 U
Dinitrotoluene, 2,4-	--	0.62 U	170 U	0.33 U
Dinitrotoluene, 2,6-	--	0.62 UJ	170 U	0.33 U
Fluoranthene	100	**2.4 J**	**520**	**0.27 J**
Fluorene	100	**0.18 J**	**720**	**0.27 J**
Hexachlorobenzene	1.2	0.62 U	170 U	0.33 U
Hexachlorobutadiene	--	0.62 U	170 U	0.33 U
Hexachlorocyclopentadiene	--	1.5 U	410 U	0.81 U
Hexachloroethane	--	0.62 U	170 U	0.33 U
Indeno(1,2,3-cd)pyrene	0.5	**2.1 J**	**45 J**	**0.022 J**
Isophorone	--	0.62 U	170 U	0.33 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGBS-79	CGSB-79	CGSB-79
Sample ID:		CG XX121709	CGSB-79 (38-40)	CGSB-79 (60-62)
Sample Interval (feet bgs):		2.00 to 3.00	38.00 to 40.00	60.00 to 62.00
Sample Interval (feet NAVD88):	Soil Cleanup	4.42 to 3.42	-31.58 to -33.58	-53.58 to -55.58
Parameter Sample Date:	Objective[5]	12/17/2009	12/17/2009	12/17/2009
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	**0.2 J**	**2,000**	**0.27 J**
Methylphenol, 2-	0.33	0.62 U	170 U	0.33 U
Methylphenol, 4-	0.33	0.62 U	170 U	0.33 U
Naphthalene	12	**0.29 J**	**2,600**	**0.33**
Nitroaniline, 2-	--	1.5 U	410 U	0.81 U
Nitroaniline, 3-	--	1.5 U	410 U	0.81 U
Nitroaniline, 4-	--	0.62 U	170 U	0.33 U
Nitrobenzene	--	0.62 U	170 U	0.33 U
Nitrophenol, 2-	--	0.62 U	170 U	0.33 U
Nitrophenol, 4-	--	3.9 U	1,000 U	2.1 U
N-Nitrosodi-n-propylamine	--	0.62 U	170 U	0.33 U
N-Nitrosodiphenylamine	--	0.62 U	170 U	0.33 U
Oxybis(1-chloropropane), 2,2'-	--	0.62 U	170 U	0.33 U
Pentachlorophenol	0.8	1.5 U	410 U	0.81 U
Phenanthrene	100	**2.4 J**	**1,500**	**0.68**
Phenol	0.33	0.62 U	170 U	0.33 U
Pyrene	100	**5 J**	**680**	**0.33 J**
Trichlorobenzene, 1,2,4-	--	0.62 U	170 U	0.33 U
Trichlorophenol, 2,4,5-	--	3.9 U	1,000 U	2.1 U
Trichlorophenol, 2,4,6-	--	0.62 U	170 U	0.33 U
Polychlorinated Biphenyls				
Aroclor 1016	1	0.02 U	0.021 UJ	0.02 U
Aroclor 1221	1	0.02 U	0.021 UJ	0.02 U
Aroclor 1232	1	0.02 U	0.021 UJ	0.02 U
Aroclor 1242	1	0.02 U	0.021 UJ	0.02 U
Aroclor 1248	1	0.02 U	0.021 UJ	0.02 U
Aroclor 1254	1	0.02 U	0.021 UJ	0.02 U
Aroclor 1260	1	**0.014 J**	0.021 UJ	0.02 U
Pesticides				
Aldrin	0.097	0.002 UJ	NA	NA
BHC, alpha-	0.02	0.002 U	NA	NA
BHC, beta-	0.09	0.002 UJ	NA	NA
BHC, delta-	0.25	0.002 U	NA	NA
BHC, gamma-	--	0.002 U	NA	NA
Chlordane, alpha-	2.9	0.002 U	NA	NA
Chlordane, gamma-	--	**0.0049 JN**	NA	NA
DDD, 4,4'-	13	**0.015 J**	NA	NA
DDE, 4,4'-	8.9	**0.0085 J**	NA	NA
DDT, 4,4'-	7.9	**0.019 J**	NA	NA
Dieldrin	0.1	0.0038 U	NA	NA
Endosulfan, alpha-	24	0.002 U	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGBS-79	CGSB-79	CGSB-79
Sample ID:		CG XX121709	CGSB-79 (38-40)	CGSB-79 (60-62)
Sample Interval (feet bgs):		2.00 to 3.00	38.00 to 40.00	60.00 to 62.00
Sample Interval (feet NAVD88):	Soil Cleanup	4.42 to 3.42	-31.58 to -33.58	-53.58 to -55.58
Parameter / Sample Date:	Objective[5]	12/17/2009	12/17/2009	12/17/2009
Pesticides (continued)				
Endosulfan, beta-	24	0.0038 U	NA	NA
Endosulfan sulphate	24	0.0038 UJ	NA	NA
Endrin	0.06	**0.0064 J**	NA	NA
Endrin aldehyde	--	**0.0095 J**	NA	NA
Endrin ketone	--	**0.017 JN**	NA	NA
Heptachlor	0.38	0.002 UJ	NA	NA
Heptachlor epoxide	--	0.002 UJ	NA	NA
Methoxychlor	--	0.02 UJ	NA	NA
Toxaphene	--	0.096 U	NA	NA
Herbicides				
D, 2,4-	--	0.02 U	NA	NA
T, 2,4,5-	--	0.02 U	NA	NA
TP, 2,4,5-	3.8	0.02 UJ	NA	NA
Metals				
Arsenic	16	**17.1**	6.5 U	6.4 U
Barium	400	**354 J**	**15.2**	**59**
Cadmium	4.3	**1.9 J**	1.6 U	1.5 U
Chromium	19	**45.4 J**	**7.3**	**7.3**
Lead	400	**1,290 J**	**2.3 J**	**2.6 J**
Mercury	0.73	**0.66 J**	0.06 U	0.06 U
Selenium	4	10.7 UJ	11.6 UJ	11.4 U
Silver	8.3	1.4 UJ	1.6 U	1.5 UJ
Cyanide				
Cyanide, Total	27	NA	NA	NA
Cyanide, Free	--	NA	0.248 U	0.244 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-79B	CGSB-79B	CGSB-95
Sample ID:		CGSB-79B (12-14)	CGSBXX122209	CGSB-95 (49-50)
Sample Interval (feet bgs):		12.00 to 14.00	12.00 to 14.00	49.00 to 50.00
Sample Interval (feet NAVD88):	Soil Cleanup	-5.58 to -7.58	-5.58 to -7.58	-41.41 to -42.41
Parameter / Sample Date:	Objective[5]	12/22/2009	12/22/2009	2/12/2010
Volatile Organic Compounds				
Acetone	0.05	2.4 UJ	2.1 UJ	0.022 UJ*
Benzene	0.06	**0.46 J**	**0.29 J**	0.0055 U
Bromodichloromethane	--	0.97 U	0.84 U	0.0055 U
Bromoform	--	0.97 U	0.84 U	0.0055 U
Bromomethane	--	0.97 U	0.84 U	0.0055 U
Butanone, 2-	0.12	0.97 U	0.84 U	0.011 U
Carbon disulfide	--	0.97 U	0.84 U	0.0055 U
Carbon tetrachloride	0.76	0.97 U	0.84 U	0.0055 U
Chlorobenzene	1.1	0.97 U	0.84 U	0.0055 U
Chloroethane	--	0.97 U	0.84 U	0.0055 UJ
Chloroform	0.37	0.97 U	0.84 U	0.0055 U
Chloromethane	--	0.97 U	0.84 U	0.0055 U
Dibromochloromethane	--	0.97 U	0.84 U	0.0055 U
Dichloroethane, 1,1-	0.27	0.97 U	0.84 U	0.0055 U
Dichloroethane, 1,2-	0.02	0.97 U	0.84 U	0.0055 U
Dichloroethene, 1,1-	0.33	0.97 U	0.84 U	0.0055 U
Dichloroethene, cis-1,2-	0.25	0.97 U	0.84 U	0.0055 U
Dichloroethene, trans-1,2-	0.19	0.97 U	0.84 U	0.0055 U
Dichloropropane, 1,2-	--	0.97 U	0.84 U	0.0055 U
Dichloropropene, cis-1,3-	--	0.97 U	0.84 U	0.0055 U
Dichloropropene, trans-1,3-	--	0.97 U	0.84 U	0.0055 U
Ethylbenzene	1	**16**	**11**	0.0055 U
Hexanone, 2-	--	0.97 U	0.84 U	0.011 U
Methyl-2-pentanone, 4-	--	0.97 U	0.84 U	0.0055 U
Methylene chloride	0.05	**0.32 J**	**0.3 J**	0.022 UJ
Styrene	--	0.97 U	0.84 U	0.0055 U
Tetrachloroethane, 1,1,2,2-	--	0.97 U	0.84 U	0.0055 U
Tetrachloroethene	1.3	0.97 U	0.84 U	0.0055 U
Toluene	0.7	**0.62 J**	**0.37 J**	0.0055 U
Trichloroethane, 1,1,1-	0.68	0.97 U	0.84 U	0.0055 U
Trichloroethane, 1,1,2-	--	0.97 U	0.84 U	0.0055 U
Trichloroethene	0.47	0.97 U	0.84 U	0.0055 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.97 U	0.84 U	0.0055 U
Xylenes, Total	1.6	**4.5**	**3.2**	0.0055 U
Semivolatile Organic Compounds				
Acenaphthene	98	**68**	**52**	0.30 U
Acenaphthylene	100	**49**	**20**	0.30 U
Anthracene	100	**79**	**40**	0.30 U
Benzo(a)anthracene	1	**110**	**38**	0.30 U
Benzo(a)pyrene	1	**110**	**34**	0.30 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-79B	CGSB-79B	CGSB-95
Sample ID:		CGSB-79B (12-14)	CGSBXX122209	CGSB-95 (49-50)
Sample Interval (feet bgs):		12.00 to 14.00	12.00 to 14.00	49.00 to 50.00
Sample Interval (feet NAVD88):	Soil Cleanup	-5.58 to -7.58	-5.58 to -7.58	-41.41 to -42.41
Parameter / Sample Date:	Objective[5]	12/22/2009	12/22/2009	2/12/2010
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	**93**	**30**	0.30 U
Benzo(g,h,i)perylene	100	**72**	**16**	0.30 U
Benzo(k)fluoranthene	1.7	**29**	**13**	0.30 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	26 U	9 U	0.30 U
Bis(2-chloroethoxy)methane	--	26 U	9 U	0.30 U
Bis(2-chloroethyl)ether	--	26 U	9 U	0.30 U
Bis(2-ethylhexyl)phthalate	--	26 U	9 U	**1.1 B**
Bromophenyl phenyl ether, 4-	--	26 U	9 U	0.30 U
Butyl benzyl phthalate	--	26 U	9 U	0.30 U
Carbazole	--	26 U	**5.3 J**	0.30 U
Chloro-3-methylphenol, 4-	--	26 U	9 U	0.30 U
Chloroaniline, 4-	--	26 U	9 U	0.30 U
Chloronaphthalene, 2-	--	26 U	9 U	0.30 U
Chlorophenol, 2-	--	26 U	9 U	0.30 U
Chlorophenyl phenyl ether, 4-	--	26 U	9 U	0.30 U
Chrysene	1	**120**	**39**	0.30 U
Dibenzo(a,h)anthracene	0.33	**14 J**	**2.1 J**	0.30 U
Dibenzofuran	59	**22 J**	**18**	0.30 U
Dichlorobenzene, 1,2-	1.1	26 U	9 U	0.30 U
Dichlorobenzene, 1,3-	2.4	26 U	9 U	0.30 U
Dichlorobenzene, 1,4-	1.8	26 U	9 U	0.30 U
Dichlorobenzidine, 3,3-	--	32 U	11 U	0.36 U
Dichlorophenol, 2,4-	--	26 U	9 U	0.30 U
Diethyl phthalate	--	26 U	9 U	0.30 U
Dimethylphenol, 2,4-	--	26 U	9 U	0.30 U
Dimethyl phthalate	--	26 U	9 U	0.30 U
Di-n-butyl phthalate	--	26 U	9 U	0.30 U
Di-n-octyl phthalate	--	160 U	57 U	0.30 U
Dinitro-2-methylphenol, 4,6-	--	160 U	57 U	1.9 U
Dinitrophenol, 2,4-	--	26 U	9 U	1.9 U
Dinitrotoluene, 2,4-	--	26 U	9 U	0.30 U
Dinitrotoluene, 2,6-	--	26 U	9 U	0.30 U
Fluoranthene	100	**170**	**72**	0.30 U
Fluorene	100	**24 J**	**28**	0.30 U
Hexachlorobenzene	1.2	26 U	9 U	0.30 U
Hexachlorobutadiene	--	26 U	9 U	0.30 U
Hexachlorocyclopentadiene	--	65 U	22 U	0.73 U
Hexachloroethane	--	26 U	9 U	0.30 U
Indeno(1,2,3-cd)pyrene	0.5	**58**	**14**	0.30 U
Isophorone	--	26 U	9 U	0.30 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-79B	CGSB-79B	CGSB-95
Sample ID:		CGSB-79B (12-14)	CGSBXX122209	CGSB-95 (49-50)
Sample Interval (feet bgs):		12.00 to 14.00	12.00 to 14.00	49.00 to 50.00
Sample Interval (feet NAVD88):	Soil Cleanup	-5.58 to -7.58	-5.58 to -7.58	-41.41 to -42.41
Parameter / Sample Date:	Objective[5]	12/22/2009	12/22/2009	2/12/2010
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	**8.2 J**	**1.6 J**	0.30 U
Methylphenol, 2-	0.33	26 U	9 U	0.30 U
Methylphenol, 4-	0.33	26 U	9 U	0.30 U
Naphthalene	12	**20 J**	**11**	0.30 U
Nitroaniline, 2-	--	65 U	22 U	0.73 U
Nitroaniline, 3-	--	65 U	22 U	0.73 U
Nitroaniline, 4-	--	26 U	9 U	0.30 U
Nitrobenzene	--	26 U	9 U	0.30 U
Nitrophenol, 2-	--	26 U	9 U	0.30 U
Nitrophenol, 4-	--	160 U	57 U	1.9 U
N-Nitrosodi-n-propylamine	--	26 U	9 U	0.30 U
N-Nitrosodiphenylamine	--	26 U	9 U	0.30 U
Oxybis(1-chloropropane), 2,2'-	--	26 U	9 U	0.30 U
Pentachlorophenol	0.8	65 U	22 U	0.73 U
Phenanthrene	100	**220**	**150**	**0.015 J**
Phenol	0.33	26 U	9 U	0.30 U
Pyrene	100	**250**	**86**	0.30 U
Trichlorobenzene, 1,2,4-	--	26 U	9 U	0.30 U
Trichlorophenol, 2,4,5-	--	160 U	57 U	1.9 U
Trichlorophenol, 2,4,6-	--	26 U	9 U	0.30 U
Polychlorinated Biphenyls				
Aroclor 1016	1	0.032 U	0.028 U	NA
Aroclor 1221	1	0.032 U	0.028 U	NA
Aroclor 1232	1	0.032 U	0.028 U	NA
Aroclor 1242	1	0.032 U	0.028 U	NA
Aroclor 1248	1	0.032 U	0.028 U	NA
Aroclor 1254	1	0.032 U	0.028 U	NA
Aroclor 1260	1	0.032 UJ	0.028 U	NA
Pesticides				
Aldrin	0.097	0.032 U	**0.0085 J**	NA
BHC, alpha-	0.02	0.032 U	0.0028 UJ	NA
BHC, beta-	0.09	**0.061 J**	0.0096 JN	NA
BHC, delta-	0.25	0.032 UJ	0.0028 U	NA
BHC, gamma-	--	0.032 U	0.0028 U	NA
Chlordane, alpha-	2.9	0.032 U	0.0066 JN	NA
Chlordane, gamma-	--	0.032 UJ	0.0099 JN	NA
DDD, 4,4'-	13	0.063 U	**0.011 J**	NA
DDE, 4,4'-	8.9	**0.051 J**	**0.016 J**	NA
DDT, 4,4'-	7.9	**0.58 J**	**0.068 J**	NA
Dieldrin	0.1	0.063 U	0.0054 UJ	NA
Endosulfan, alpha-	24	0.032 UJ	0.0028 U	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-79B	CGSB-79B	CGSB-95
Sample ID:		CGSB-79B (12-14)	CGSBXX122209	CGSB-95 (49-50)
Sample Interval (feet bgs):		12.00 to 14.00	12.00 to 14.00	49.00 to 50.00
Sample Interval (feet NAVD88):	Soil Cleanup	-5.58 to -7.58	-5.58 to -7.58	-41.41 to -42.41
Parameter / Sample Date:	Objective[5]	12/22/2009	12/22/2009	2/12/2010
Pesticides (continued)				
Endosulfan, beta-	24	0.063 U	0.0054 U	NA
Endosulfan sulphate	24	**0.25 J**	**0.084 J**	NA
Endrin	0.06	0.063 U	0.0054 U	NA
Endrin aldehyde	--	**0.26 J**	**0.039 J**	NA
Endrin ketone	--	0.063 U	**0.011 J**	NA
Heptachlor	0.38	**0.046 J**	0.0028 UJ	NA
Heptachlor epoxide	--	0.032 U	0.0028 U	NA
Methoxychlor	--	**1.4 J**	**0.11 J**	NA
Toxaphene	--	1.6 U	0.14 U	NA
Herbicides				
D, 2,4-	--	0.033 U	0.028 U	NA
T, 2,4,5-	--	0.033 U	0.028 U	NA
TP, 2,4,5-	3.8	0.033 U	0.028 U	NA
Metals				
Arsenic	16	**24.1**	**9.3**	5.70 U
Barium	400	**87.3**	**102**	**38.8 J**
Cadmium	4.3	**1.2 J**	2 U	1.40 U
Chromium	19	**42 J**	**23.7 J**	**8.70**
Lead	400	**424 J**	**153 J**	**3.50 J**
Mercury	0.73	**1.6 J**	**0.16 J**	0.0520 UJ
Selenium	4	17.4 UJ	15.2 UJ	10.2 UJ
Silver	8.3	**0.29 J**	2 U	1.40 U
Cyanide				
Cyanide, Total	27	NA	NA	0.55 UJ
Cyanide, Free	--	**0.154 J**	0.331 U	0.21 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Operable Unit 2

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-96	CGSB-97	CGSB-98
Sample ID:		CGSB-96 (45-50)	CGSB-97 (35-36)	CGSB-98 (34-35)
Sample Interval (feet bgs):		45.00 to 50.00	35.00 to 36.00	34.00 to 35.00
Sample Interval (feet NAVD88):	Soil Cleanup	-38.03 to -43.03	-23.01 to -24.01	-26.59 to -27.59
Parameter Sample Date:	Objective[5]	2/16/2010	2/18/2010	2/17/2010
Volatile Organic Compounds				
Acetone	0.05	0.027 UJB	0.027 UJB	0.025 UJB
Benzene	0.06	0.0067 U	**0.0070**	0.0062 U
Bromodichloromethane	--	0.0067 U	0.0067 U	0.0062 U
Bromoform	--	0.0067 U	0.0067 U	0.0062 U
Bromomethane	--	0.0067 U	0.0067 U	0.0062 U
Butanone, 2-	0.12	0.013 U	0.013 U	0.012 U
Carbon disulfide	--	0.0067 U	0.0067 U	0.0062 U
Carbon tetrachloride	0.76	0.0067 U	0.0067 U	0.0062 U
Chlorobenzene	1.1	0.0067 U	0.0067 U	0.0062 U
Chloroethane	--	0.0067 U	0.0067 U	0.0062 U
Chloroform	0.37	0.0067 U	0.0067 U	0.0062 U
Chloromethane	--	0.0067 U	0.0067 U	0.0062 U
Dibromochloromethane	--	0.0067 U	0.0067 U	0.0062 U
Dichloroethane, 1,1-	0.27	0.0067 U	0.0067 U	0.0062 U
Dichloroethane, 1,2-	0.02	0.0067 U	0.0067 U	0.0062 U
Dichloroethene, 1,1-	0.33	0.0067 U	0.0067 U	0.0062 U
Dichloroethene, cis-1,2-	0.25	0.0067 U	0.0067 U	0.0062 U
Dichloroethene, trans-1,2-	0.19	0.0067 U	0.0067 U	0.0062 U
Dichloropropane, 1,2-	--	0.0067 U	0.0067 U	0.0062 U
Dichloropropene, cis-1,3-	--	0.0067 U	0.0067 U	0.0062 U
Dichloropropene, trans-1,3-	--	0.0067 U	0.0067 U	0.0062 U
Ethylbenzene	1	0.0067 U	0.0067 U	0.0062 U
Hexanone, 2-	--	0.013 U	0.013 U	0.012 U
Methyl-2-pentanone, 4-	--	0.0067 U	0.0067 U	0.0062 U
Methylene chloride	0.05	0.027 UJB	0.027 UJB	0.025 UJB
Styrene	--	0.0067 U	0.0067 U	0.0062 U
Tetrachloroethane, 1,1,2,2-	--	0.0067 U	0.0067 U	0.0062 U
Tetrachloroethene	1.3	0.0067 U	0.0067 U	0.0062 U
Toluene	0.7	0.0067 U	0.0067 UJB	0.0062 U
Trichloroethane, 1,1,1-	0.68	0.0067 U	0.0067 U	0.0062 U
Trichloroethane, 1,1,2-	--	0.0067 U	0.0067 U	0.0062 U
Trichloroethene	0.47	0.0067 U	0.0067 U	0.0062 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0067 U	0.0067 U	0.0062 U
Xylenes, Total	1.6	0.0067 U	0.0067 U	0.0062 U
Semivolatile Organic Compounds				
Acenaphthene	98	0.36 U	0.35 U	0.32 U
Acenaphthylene	100	0.36 U	0.35 U	0.32 U
Anthracene	100	0.36 U	0.35 U	0.32 U
Benzo(a)anthracene	1	0.36 U	0.35 U	0.32 U
Benzo(a)pyrene	1	0.36 U	0.35 U	0.32 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Operable Unit 2

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-96	CGSB-97	CGSB-98
Sample ID:		CGSB-96 (45-50)	CGSB-97 (35-36)	CGSB-98 (34-35)
Sample Interval (feet bgs):		45.00 to 50.00	35.00 to 36.00	34.00 to 35.00
Sample Interval (feet NAVD88):	Soil Cleanup	-38.03 to -43.03	-23.01 to -24.01	-26.59 to -27.59
Parameter Sample Date:	Objective[5]	2/16/2010	2/18/2010	2/17/2010
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.36 U	0.35 U	0.32 U
Benzo(g,h,i)perylene	100	0.36 U	0.35 U	0.32 U
Benzo(k)fluoranthene	1.7	0.36 U	0.35 U	0.32 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.36 U	0.35 U	0.32 U
Bis(2-chloroethoxy)methane	--	0.36 U	0.35 U	0.32 U
Bis(2-chloroethyl)ether	--	0.36 U	0.35 U	0.32 U
Bis(2-ethylhexyl)phthalate	--	**0.22 J**	**0.046 J**	**0.052 J**
Bromophenyl phenyl ether, 4-	--	0.36 U	0.35 U	0.32 U
Butyl benzyl phthalate	--	0.36 U	0.35 U	0.32 U
Carbazole	--	0.36 U	0.35 U	0.32 U
Chloro-3-methylphenol, 4-	--	0.36 U	0.35 U	0.32 U
Chloroaniline, 4-	--	0.36 U	0.35 U	0.32 U
Chloronaphthalene, 2-	--	0.36 U	0.35 U	0.32 U
Chlorophenol, 2-	--	0.36 U	0.35 U	0.32 U
Chlorophenyl phenyl ether, 4-	--	0.36 U	0.35 U	0.32 U
Chrysene	1	0.36 U	0.35 U	0.32 U
Dibenzo(a,h)anthracene	0.33	0.36 U	0.35 U	0.32 U
Dibenzofuran	59	0.36 U	0.35 U	0.32 U
Dichlorobenzene, 1,2-	1.1	0.36 U	0.35 U	0.32 U
Dichlorobenzene, 1,3-	2.4	0.36 U	0.35 U	0.32 U
Dichlorobenzene, 1,4-	1.8	0.36 U	0.35 U	0.32 U
Dichlorobenzidine, 3,3-	--	0.44 U	0.43 U	0.39 U
Dichlorophenol, 2,4-	--	0.36 U	0.35 U	0.32 U
Diethyl phthalate	--	0.36 U	0.35 U	0.32 U
Dimethylphenol, 2,4-	--	0.36 U	0.35 U	0.32 U
Dimethyl phthalate	--	0.36 U	0.35 U	0.32 U
Di-n-butyl phthalate	--	0.36 U	0.35 U	0.32 U
Di-n-octyl phthalate	--	0.36 U	0.35 U	0.32 U
Dinitro-2-methylphenol, 4,6-	--	2.3 UJ	2.2 U	2.0 U
Dinitrophenol, 2,4-	--	2.3 UJ	2.2 U	2.0 U
Dinitrotoluene, 2,4-	--	0.36 U	0.35 U	0.32 U
Dinitrotoluene, 2,6-	--	0.36 U	0.35 U	0.32 U
Fluoranthene	100	**0.025 J**	0.35 U	0.32 U
Fluorene	100	0.36 U	0.35 U	0.32 U
Hexachlorobenzene	1.2	0.36 U	0.35 U	0.32 U
Hexachlorobutadiene	--	0.36 U	0.35 U	0.32 U
Hexachlorocyclopentadiene	--	0.89 UJ	0.87 U	0.79 U
Hexachloroethane	--	0.36 U	0.35 U	0.32 U
Indeno(1,2,3-cd)pyrene	0.5	0.36 U	0.35 U	0.32 U
Isophorone	--	0.36 U	0.35 U	0.32 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Operable Unit 2

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-96	CGSB-97	CGSB-98
Sample ID:		CGSB-96 (45-50)	CGSB-97 (35-36)	CGSB-98 (34-35)
Sample Interval (feet bgs):		45.00 to 50.00	35.00 to 36.00	34.00 to 35.00
Sample Interval (feet NAVD88):	Soil Cleanup	-38.03 to -43.03	-23.01 to -24.01	-26.59 to -27.59
Parameter / Sample Date:	Objective[5]	2/16/2010	2/18/2010	2/17/2010
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.36 U	0.35 U	0.32 U
Methylphenol, 2-	0.33	0.36 U	0.35 U	0.32 U
Methylphenol, 4-	0.33	0.36 U	0.35 U	0.32 U
Naphthalene	12	0.36 U	0.35 U	0.32 U
Nitroaniline, 2-	--	0.89 U	0.87 U	0.79 U
Nitroaniline, 3-	--	0.89 U	0.87 U	0.79 U
Nitroaniline, 4-	--	0.36 U	0.35 U	0.32 U
Nitrobenzene	--	0.36 U	0.35 U	0.32 U
Nitrophenol, 2-	--	0.36 U	0.35 U	0.32 U
Nitrophenol, 4-	--	2.3 U	2.2 U	2.0 U
N-Nitrosodi-n-propylamine	--	0.36 U	0.35 U	0.32 U
N-Nitrosodiphenylamine	--	0.36 U	0.35 U	0.32 U
Oxybis(1-chloropropane), 2,2'-	--	0.36 U	0.35 U	0.32 U
Pentachlorophenol	0.8	0.89 U	0.87 U	0.79 U
Phenanthrene	100	**0.050 J**	0.35 U	0.32 U
Phenol	0.33	0.36 U	0.35 U	0.32 U
Pyrene	100	**0.041 J**	0.35 U	0.32 U
Trichlorobenzene, 1,2,4-	--	0.36 U	0.35 U	0.32 U
Trichlorophenol, 2,4,5-	--	2.3 U	2.2 U	2.0 U
Trichlorophenol, 2,4,6-	--	0.36 U	0.35 U	0.32 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Operable Unit 2

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-96	CGSB-97	CGSB-98
Sample ID:		CGSB-96 (45-50)	CGSB-97 (35-36)	CGSB-98 (34-35)
Sample Interval (feet bgs):		45.00 to 50.00	35.00 to 36.00	34.00 to 35.00
Sample Interval (feet NAVD88):	Soil Cleanup	-38.03 to -43.03	-23.01 to -24.01	-26.59 to -27.59
Parameter / Sample Date:	Objective[5]	2/16/2010	2/18/2010	2/17/2010
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	6.90 U	**5.40 J**	6.40 U
Barium	400	**33.6 J**	**42.3 J**	**38.8 J**
Cadmium	4.3	1.60 U	1.60 U	1.50 U
Chromium	19	**9.30**	**10.0**	**8.00**
Lead	400	**3.70 J**	**2.70 J**	**1.30 J**
Mercury	0.73	0.0630 UJ	0.0660 U	0.0600 U
Selenium	4	12.3 UJ	12.3 UJ	11.5 UJ
Silver	8.3	1.60 U	1.60 U	1.50 U
Cyanide				
Cyanide, Total	27	0.67 UJ	0.67 UJ	0.62 UJ
Cyanide, Free	--	0.27 U	0.26 U	0.24 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-98	CGSB-143	CGSB-143
Sample ID:		CGSB-XX_02172010	CGSB-143 (33-34)	CGSB-143 (48.5-50)
Sample Interval (feet bgs):		34.00 to 35.00	33.00 to 34.00	48.50 to 50.00
Sample Interval (feet NAVD88):	Soil Cleanup	-26.59 to -27.59	-30.94 to -31.94	-46.44 to -47.94
Parameter / Sample Date:	Objective[5]	2/17/2010	5/11/2013	5/11/2013
Volatile Organic Compounds				
Acetone	0.05	0.025 UJ	28 UJ	0.0077 U
Benzene	0.06	0.0062 U	**7.8 J**	**0.20**
Bromodichloromethane	--	0.0062 U	5.5 UJ	0.00077 U
Bromoform	--	0.0062 U	5.5 UJ	0.00077 U
Bromomethane	--	0.0062 U	5.5 UJ	0.00077 U
Butanone, 2-	0.12	0.012 UJ	28 UJ	0.0077 U
Carbon disulfide	--	0.0062 U	5.5 UJ	**0.0029 J**
Carbon tetrachloride	0.76	0.0062 U	5.5 UJ	0.00077 U
Chlorobenzene	1.1	0.0062 U	5.5 UJ	0.00077 U
Chloroethane	--	0.0062 UJ	5.5 UJ	0.00077 U
Chloroform	0.37	0.0062 U	5.5 UJ	0.00077 U
Chloromethane	--	0.0062 U	5.5 UJ	0.00077 U
Dibromochloromethane	--	0.0062 U	5.5 UJ	0.00077 U
Dichloroethane, 1,1-	0.27	0.0062 U	5.5 UJ	0.00077 U
Dichloroethane, 1,2-	0.02	0.0062 U	5.5 UJ	0.00077 U
Dichloroethene, 1,1-	0.33	0.0062 U	5.5 UJ	0.00077 U
Dichloroethene, cis-1,2-	0.25	0.0062 U	5.5 UJ	0.00077 U
Dichloroethene, trans-1,2-	0.19	0.0062 U	5.5 UJ	0.00077 U
Dichloropropane, 1,2-	--	0.0062 U	5.5 UJ	0.00077 U
Dichloropropene, cis-1,3-	--	0.0062 U	5.5 UJ	0.00077 U
Dichloropropene, trans-1,3-	--	0.0062 U	5.5 UJ	0.00077 U
Ethylbenzene	1	0.0062 U	**100 J**	**1.5 J**
Hexanone, 2-	--	0.012 U	28 UJ	0.0077 U
Methyl-2-pentanone, 4-	--	0.0062 U	28 UJ	0.0077 U
Methylene chloride	0.05	0.025 UJB	5.5 UJ	0.00077 UJ
Styrene	--	0.0062 U	**3.6 J**	**0.018**
Tetrachloroethane, 1,1,2,2-	--	0.0062 U	5.5 UJ	0.00077 U
Tetrachloroethene	1.3	0.0062 U	5.5 UJ	0.00077 U
Toluene	0.7	0.0062 U	**41 J**	**0.50 J**
Trichloroethane, 1,1,1-	0.68	0.0062 U	5.5 UJ	0.00077 U
Trichloroethane, 1,1,2-	--	0.0062 U	5.5 UJ	0.00077 U
Trichloroethene	0.47	0.0062 U	5.5 UJ	0.00077 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0062 U	5.5 UJ	0.00077 U
Xylenes, Total	1.6	0.0062 U	**130 J**	**1.7 J**
Semivolatile Organic Compounds				
Acenaphthene	98	0.32 U	**200**	**0.14 J**
Acenaphthylene	100	0.32 U	**330**	**0.19 J**
Anthracene	100	0.32 U	**270**	**0.73**
Benzo(a)anthracene	1	0.32 U	**140**	**0.64**
Benzo(a)pyrene	1	0.32 U	**110**	**0.46**

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-98	CGSB-143	CGSB-143
Sample ID:		CGSB-XX_02172010	CGSB-143 (33-34)	CGSB-143 (48.5-50)
Sample Interval (feet bgs):		34.00 to 35.00	33.00 to 34.00	48.50 to 50.00
Sample Interval (feet NAVD88):	Soil Cleanup	-26.59 to -27.59	-30.94 to -31.94	-46.44 to -47.94
Parameter Sample Date:	Objective[5]	2/17/2010	5/11/2013	5/11/2013
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.32 U	**76**	**0.30**
Benzo(g,h,i)perylene	100	0.32 U	**43 J**	**0.18 J**
Benzo(k)fluoranthene	1.7	0.32 U	**26**	**0.14**
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	0.32 U	NA	NA
Bis(2-chloroethoxy)methane	--	0.32 U	45 U	0.39 U
Bis(2-chloroethyl)ether	--	0.32 U	4.5 U	0.039 U
Bis(2-ethylhexyl)phthalate	--	**0.037 J**	45 U	0.39 U
Bromophenyl phenyl ether, 4-	--	0.32 U	45 U	0.39 U
Butyl benzyl phthalate	--	0.32 U	45 U	0.39 U
Carbazole	--	0.32 U	**7.3 J**	0.39 U
Chloro-3-methylphenol, 4-	--	0.32 U	45 U	0.39 U
Chloroaniline, 4-	--	0.32 U	45 U	0.39 U
Chloronaphthalene, 2-	--	0.32 U	45 U	0.39 U
Chlorophenol, 2-	--	0.32 U	45 U	0.39 U
Chlorophenyl phenyl ether, 4-	--	0.32 U	45 U	0.39 U
Chrysene	1	0.32 U	**150**	**0.59**
Dibenzo(a,h)anthracene	0.33	0.32 U	**10**	**0.047**
Dibenzofuran	59	0.32 U	**23 J**	0.39 U
Dichlorobenzene, 1,2-	1.1	0.32 U	45 U	0.39 U
Dichlorobenzene, 1,3-	2.4	0.32 U	45 U	0.39 U
Dichlorobenzene, 1,4-	1.8	0.32 U	45 U	0.39 U
Dichlorobenzidine, 3,3-	--	0.39 U	91 U	0.80 U
Dichlorophenol, 2,4-	--	0.32 U	45 U	0.39 U
Diethyl phthalate	--	0.32 U	45 U	0.39 U
Dimethylphenol, 2,4-	--	0.32 U	45 U	0.39 U
Dimethyl phthalate	--	0.32 U	45 U	0.39 U
Di-n-butyl phthalate	--	0.32 U	45 U	0.39 U
Di-n-octyl phthalate	--	0.32 U	45 U	0.39 U
Dinitro-2-methylphenol, 4,6-	--	2.0 U	140 U	1.2 U
Dinitrophenol, 2,4-	--	2.0 U	140 U	1.2 UJ
Dinitrotoluene, 2,4-	--	0.32 U	9.1 U	0.080 U
Dinitrotoluene, 2,6-	--	0.32 U	9.1 U	0.080 U
Fluoranthene	100	0.32 U	**260**	**1.2**
Fluorene	100	0.32 U	**300**	**0.39**
Hexachlorobenzene	1.2	0.32 U	4.5 U	0.039 U
Hexachlorobutadiene	--	0.32 U	9.1 U	0.080 U
Hexachlorocyclopentadiene	--	0.80 U	45 U	0.39 UJ
Hexachloroethane	--	0.32 U	4.5 U	0.039 U
Indeno(1,2,3-cd)pyrene	0.5	0.32 U	**42**	**0.19**
Isophorone	--	0.32 U	45 U	0.39 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Parameter	Soil Cleanup Objective[5]	Supplemental Remedial Investigation		
Investigation:				
Location ID:		CGSB-98	CGSB-143	CGSB-143
Sample ID:		CGSB-XX_02172010	CGSB-143 (33-34)	CGSB-143 (48.5-50)
Sample Interval (feet bgs):		34.00 to 35.00	33.00 to 34.00	48.50 to 50.00
Sample Interval (feet NAVD88):		-26.59 to -27.59	-30.94 to -31.94	-46.44 to -47.94
Sample Date:		2/17/2010	5/11/2013	5/11/2013
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.32 U	**790**	**0.11 J**
Methylphenol, 2-	0.33	0.32 U	45 U	0.39 U
Methylphenol, 4-	0.33	0.32 U	45 U	0.39 U
Naphthalene	12	0.32 U	**600**	**0.091 J**
Nitroaniline, 2-	--	0.80 U	91 U	0.80 U
Nitroaniline, 3-	--	0.80 U	91 U	0.80 U
Nitroaniline, 4-	--	0.32 U	91 U	0.80 UJ
Nitrobenzene	--	0.32 U	4.5 U	0.039 U
Nitrophenol, 2-	--	0.32 U	45 U	0.39 U
Nitrophenol, 4-	--	2.0 U	140 U	1.2 UJ
N-Nitrosodi-n-propylamine	--	0.32 U	4.5 U	0.039 U
N-Nitrosodiphenylamine	--	0.32 U	45 U	0.39 U
Oxybis(1-chloropropane), 2,2'-	--	0.32 U	45 U	0.39 U
Pentachlorophenol	0.8	0.80 U	140 U	1.2 U
Phenanthrene	100	0.32 U	**1,000**	**2.6 J**
Phenol	0.33	0.32 U	45 U	0.39 U
Pyrene	100	0.32 U	**350**	**1.2 J**
Trichlorobenzene, 1,2,4-	--	0.32 U	4.5 U	0.039 U
Trichlorophenol, 2,4,5-	--	2.0 U	45 U	0.39 U
Trichlorophenol, 2,4,6-	--	0.32 U	45 U	0.39 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-98	CGSB-143	CGSB-143
Sample ID:		CGSB-XX_02172010	CGSB-143 (33-34)	CGSB-143 (48.5-50)
Sample Interval (feet bgs):		34.00 to 35.00	33.00 to 34.00	48.50 to 50.00
Sample Interval (feet NAVD88):	Soil Cleanup	-26.59 to -27.59	-30.94 to -31.94	-46.44 to -47.94
Parameter / Sample Date:	Objective[5]	2/17/2010	5/11/2013	5/11/2013
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	6.40 U	**2.90**	**1.60 J**
Barium	400	**37.6 J**	**41.6 J**	**26.2 J**
Cadmium	4.3	1.50 U	1.40 U	1.10 U
Chromium	19	**7.60**	**6.60**	**7.30**
Lead	400	**2.10 J**	**3.70**	**2.80**
Mercury	0.73	0.0600 U	0.0220 U	0.0200 U
Selenium	4	11.5 UJ	2.70 U	2.30 U
Silver	8.3	1.50 U	2.70 U	2.30 U
Cyanide				
Cyanide, Total	27	0.62 UJ	0.14 UJ	0.12 UJ
Cyanide, Free	--	0.25 U	2.8 U	2.5 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-145	CGSB-146	CGSB-146
Sample ID:		CGSB-145 (67-70)	CGSB-146 (9-10)	CGSB-146 (40-45)
Sample Interval (feet bgs):		67.00 to 70.00	9.00 to 10.00	40.00 to 45.00
Sample Interval (feet NAVD88):	Soil Cleanup	-52.14 to -55.14	2.53 to 1.53	-28.47 to -33.47
Parameter / Sample Date:	Objective[5]	11/20/2012	11/7/2012	11/7/2012
Volatile Organic Compounds				
Acetone	0.05	0.0050 UJB	R	**0.0038 J**
Benzene	0.06	0.00050 U	**0.81**	0.00055 U
Bromodichloromethane	--	0.00050 U	0.055 U	0.00055 U
Bromoform	--	0.00050 U	0.055 U	0.00055 UJ
Bromomethane	--	0.00050 UJ	0.055 U	0.00055 UJ
Butanone, 2-	0.12	R	0.27 U	R
Carbon disulfide	--	0.00050 U	0.055 U	0.00055 U
Carbon tetrachloride	0.76	0.00050 U	0.055 U	0.00055 U
Chlorobenzene	1.1	0.00050 U	0.055 U	0.00055 U
Chloroethane	--	0.00050 U	0.055 U	0.00055 UJ
Chloroform	0.37	0.00050 U	0.055 U	0.00055 U
Chloromethane	--	0.00050 U	0.055 U	0.00055 U
Dibromochloromethane	--	0.00050 U	0.055 U	0.00055 U
Dichloroethane, 1,1-	0.27	0.00050 U	0.055 U	0.00055 U
Dichloroethane, 1,2-	0.02	0.00050 U	0.055 U	**0.0011**
Dichloroethene, 1,1-	0.33	0.00050 U	0.055 U	0.00055 U
Dichloroethene, cis-1,2-	0.25	0.00050 U	0.055 U	0.00055 U
Dichloroethene, trans-1,2-	0.19	0.00050 U	0.055 U	0.00055 U
Dichloropropane, 1,2-	--	0.00050 U	0.055 U	0.00055 U
Dichloropropene, cis-1,3-	--	0.00050 U	0.055 U	0.00055 U
Dichloropropene, trans-1,3-	--	0.00050 U	0.055 U	0.00055 U
Ethylbenzene	1	0.00050 U	**15**	0.00055 U
Hexanone, 2-	--	0.0050 U	0.27 U	0.0055 UJ
Methyl-2-pentanone, 4-	--	0.0050 U	0.27 U	0.0055 U
Methylene chloride	0.05	0.00061 UB	0.055 U	0.00055 UJB
Styrene	--	0.00050 U	0.055 U	0.00055 U
Tetrachloroethane, 1,1,2,2-	--	0.00050 U	0.055 U	0.00055 U
Tetrachloroethene	1.3	0.00050 U	0.055 U	0.00055 U
Toluene	0.7	**0.00013 J**	**0.075**	0.00055 U
Trichloroethane, 1,1,1-	0.68	0.00050 U	0.055 U	0.00055 U
Trichloroethane, 1,1,2-	--	0.00050 U	0.055 U	0.00055 U
Trichloroethene	0.47	0.00050 U	0.055 U	0.00055 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.00050 U	0.055 U	0.00055 U
Xylenes, Total	1.6	0.0015 U	**9.2**	0.0017 U
Semivolatile Organic Compounds				
Acenaphthene	98	0.38 U	0.39 U	0.39 U
Acenaphthylene	100	0.38 U	0.39 U	0.39 U
Anthracene	100	0.38 U	**0.10 J**	0.39 U
Benzo(a)anthracene	1	0.038 U	**0.15**	0.039 U
Benzo(a)pyrene	1	0.038 U	**0.065**	0.039 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-145	CGSB-146	CGSB-146
Sample ID:		CGSB-145 (67-70)	CGSB-146 (9-10)	CGSB-146 (40-45)
Sample Interval (feet bgs):		67.00 to 70.00	9.00 to 10.00	40.00 to 45.00
Sample Interval (feet NAVD88):	Soil Cleanup	-52.14 to -55.14	2.53 to 1.53	-28.47 to -33.47
Parameter / Sample Date:	Objective[5]	11/20/2012	11/7/2012	11/7/2012
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.038 U	**0.085**	0.039 U
Benzo(g,h,i)perylene	100	0.38 U	0.39 U	0.39 U
Benzo(k)fluoranthene	1.7	0.038 U	**0.042**	0.039 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	NA	NA	NA
Bis(2-chloroethoxy)methane	--	0.38 U	0.39 U	0.39 U
Bis(2-chloroethyl)ether	--	0.038 U	0.039 U	0.039 U
Bis(2-ethylhexyl)phthalate	--	0.38 U	0.39 U	0.39 U
Bromophenyl phenyl ether, 4-	--	0.38 U	0.39 U	0.39 U
Butyl benzyl phthalate	--	0.38 U	0.39 U	0.39 U
Carbazole	--	0.38 U	0.39 U	0.39 U
Chloro-3-methylphenol, 4-	--	0.38 U	0.39 U	0.39 U
Chloroaniline, 4-	--	0.38 U	0.39 U	0.39 U
Chloronaphthalene, 2-	--	0.38 U	0.39 U	0.39 U
Chlorophenol, 2-	--	0.38 U	0.39 U	0.39 U
Chlorophenyl phenyl ether, 4-	--	0.38 U	0.39 U	0.39 U
Chrysene	1	0.38 U	**0.13 J**	0.39 U
Dibenzo(a,h)anthracene	0.33	0.038 U	0.039 U	0.039 U
Dibenzofuran	59	0.38 U	**0.066 J**	0.39 U
Dichlorobenzene, 1,2-	1.1	0.38 U	0.39 U	0.39 U
Dichlorobenzene, 1,3-	2.4	0.38 U	0.39 U	0.39 U
Dichlorobenzene, 1,4-	1.8	0.38 U	0.39 U	0.39 U
Dichlorobenzidine, 3,3-	--	0.76 U	0.80 U	0.79 U
Dichlorophenol, 2,4-	--	0.38 U	0.39 U	0.39 U
Diethyl phthalate	--	0.38 U	0.39 U	0.39 U
Dimethylphenol, 2,4-	--	0.38 U	0.39 U	0.39 U
Dimethyl phthalate	--	0.38 U	0.39 U	0.39 U
Di-n-butyl phthalate	--	0.38 U	0.39 U	0.39 U
Di-n-octyl phthalate	--	0.38 U	0.39 U	0.39 U
Dinitro-2-methylphenol, 4,6-	--	1.1 U	1.2 U	1.2 U
Dinitrophenol, 2,4-	--	1.1 U	1.2 UJ	R
Dinitrotoluene, 2,4-	--	0.076 U	0.080 U	0.079 U
Dinitrotoluene, 2,6-	--	0.076 U	0.080 U	0.079 U
Fluoranthene	100	0.38 U	**0.35 J**	0.39 U
Fluorene	100	0.38 U	**0.14 J**	0.39 U
Hexachlorobenzene	1.2	0.038 U	0.039 U	0.039 U
Hexachlorobutadiene	--	0.076 U	0.080 U	0.079 U
Hexachlorocyclopentadiene	--	0.38 U	0.39 U	0.39 U
Hexachloroethane	--	0.038 U	0.039 U	0.039 U
Indeno(1,2,3-cd)pyrene	0.5	0.038 U	0.039 U	0.039 U
Isophorone	--	0.38 U	0.39 U	0.39 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Parameter	Soil Cleanup Objective[5]	Supplemental Remedial Investigation		
Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-145	CGSB-146	CGSB-146
Sample ID:		CGSB-145 (67-70)	CGSB-146 (9-10)	CGSB-146 (40-45)
Sample Interval (feet bgs):		67.00 to 70.00	9.00 to 10.00	40.00 to 45.00
Sample Interval (feet NAVD88):		-52.14 to -55.14	2.53 to 1.53	-28.47 to -33.47
Sample Date:		11/20/2012	11/7/2012	11/7/2012
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.38 U	**0.56**	0.39 U
Methylphenol, 2-	0.33	0.38 U	0.39 U	0.39 U
Methylphenol, 4-	0.33	0.38 U	0.39 U	0.39 U
Naphthalene	12	0.38 U	**0.16 J**	0.39 U
Nitroaniline, 2-	--	0.76 U	0.80 U	0.79 U
Nitroaniline, 3-	--	0.76 U	0.80 U	0.79 U
Nitroaniline, 4-	--	0.76 U	0.80 U	0.79 U
Nitrobenzene	--	0.038 U	0.039 U	0.039 U
Nitrophenol, 2-	--	0.38 U	0.39 U	0.39 U
Nitrophenol, 4-	--	1.1 U	1.2 UJ	1.2 UJ
N-Nitrosodi-n-propylamine	--	0.038 UJ	0.039 U	0.039 U
N-Nitrosodiphenylamine	--	0.38 U	0.39 U	0.39 U
Oxybis(1-chloropropane), 2,2'-	--	0.38 UJ	0.39 U	0.39 U
Pentachlorophenol	0.8	1.1 U	1.2 U	1.2 U
Phenanthrene	100	0.38 U	**0.35 J**	0.39 U
Phenol	0.33	0.38 U	0.39 U	0.39 U
Pyrene	100	0.38 U	**0.36 J**	0.39 U
Trichlorobenzene, 1,2,4-	--	0.038 U	0.039 U	0.039 U
Trichlorophenol, 2,4,5-	--	0.38 U	0.39 U	0.39 U
Trichlorophenol, 2,4,6-	--	0.38 U	0.39 U	0.39 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-145	CGSB-146	CGSB-146
Sample ID:		CGSB-145 (67-70)	CGSB-146 (9-10)	CGSB-146 (40-45)
Sample Interval (feet bgs):		67.00 to 70.00	9.00 to 10.00	40.00 to 45.00
Sample Interval (feet NAVD88):	Soil Cleanup	-52.14 to -55.14	2.53 to 1.53	-28.47 to -33.47
Parameter / Sample Date:	Objective[5]	11/20/2012	11/7/2012	11/7/2012
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**3.20**	**3.10**	**3.40**
Barium	400	**6.20 J**	**31.7 J**	**16.0 J**
Cadmium	4.3	**0.270 J**	1.10 U	1.10 U
Chromium	19	**4.00**	**11.7**	**6.50**
Lead	400	**1.50 J**	**8.70**	**4.70**
Mercury	0.73	0.0380 U	0.0370 U	0.0390 U
Selenium	4	2.20 U	2.10 U	2.20 U
Silver	8.3	2.20 U	2.10 U	2.20 UJ
Cyanide				
Cyanide, Total	27	0.11 U	0.12 U	0.12 U
Cyanide, Free	--	2.5 U	2.5 U	**0.26 J**

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-147	CGSB-147	CGSB-147
Sample ID:		CGSB-147 (7-8)	CGSB-147 (38-40)	DUP-CG01_11_08_12
Sample Interval (feet bgs):		7.00 to 8.00	38.00 to 40.00	38.00 to 40.00
Sample Interval (feet NAVD88):	Soil Cleanup	0.80 to -0.20	-30.20 to -32.20	-30.20 to -32.20
Parameter / Sample Date:	Objective[5]	11/8/2012	11/8/2012	11/8/2012
Volatile Organic Compounds				
Acetone	0.05	R	R	**0.0045 J**
Benzene	0.06	**0.0046 J**	0.033 U	0.00051 U
Bromodichloromethane	--	0.031 U	0.033 U	0.00051 U
Bromoform	--	0.031 U	0.033 U	0.00051 UJ
Bromomethane	--	0.031 U	0.033 U	0.00051 U
Butanone, 2-	0.12	0.16 U	0.16 U	R
Carbon disulfide	--	0.031 U	0.033 U	0.00051 U
Carbon tetrachloride	0.76	0.031 U	0.033 U	0.00051 U
Chlorobenzene	1.1	0.031 U	0.033 U	0.00051 U
Chloroethane	--	0.031 U	0.033 U	0.00051 U
Chloroform	0.37	0.031 U	0.033 U	0.00051 U
Chloromethane	--	0.031 U	0.033 U	0.00051 U
Dibromochloromethane	--	0.031 U	0.033 U	0.00051 U
Dichloroethane, 1,1-	0.27	0.031 U	0.033 U	0.00051 U
Dichloroethane, 1,2-	0.02	0.031 U	0.033 U	**0.00042 J**
Dichloroethene, 1,1-	0.33	0.031 U	0.033 U	0.00051 U
Dichloroethene, cis-1,2-	0.25	0.031 U	**0.0012 J**	**0.0029**
Dichloroethene, trans-1,2-	0.19	0.031 U	0.033 U	0.00051 U
Dichloropropane, 1,2-	--	0.031 U	0.033 U	0.00051 U
Dichloropropene, cis-1,3-	--	0.031 U	0.033 U	0.00051 U
Dichloropropene, trans-1,3-	--	0.031 U	0.033 U	0.00051 U
Ethylbenzene	1	**0.0058 J**	0.033 U	0.00051 U
Hexanone, 2-	--	0.16 U	0.16 U	0.0051 U
Methyl-2-pentanone, 4-	--	0.16 U	0.16 U	0.0051 U
Methylene chloride	0.05	0.031 U	0.033 U	0.00051 UJ
Styrene	--	0.031 U	0.033 U	0.00051 U
Tetrachloroethane, 1,1,2,2-	--	0.031 U	0.033 U	0.00051 U
Tetrachloroethene	1.3	0.031 U	0.033 U	**0.000084 J**
Toluene	0.7	0.031 U	0.033 U	0.00051 U
Trichloroethane, 1,1,1-	0.68	0.031 U	0.033 U	**0.00034 J**
Trichloroethane, 1,1,2-	--	0.031 U	0.033 U	0.00051 U
Trichloroethene	0.47	0.031 U	0.033 U	0.00051 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.031 U	0.033 U	**0.00080**
Xylenes, Total	1.6	**0.052 J**	0.099 U	0.0015 U
Semivolatile Organic Compounds				
Acenaphthene	98	**0.21 J**	0.40 U	0.42 U
Acenaphthylene	100	0.42 U	0.40 U	0.42 U
Anthracene	100	**0.40 J**	0.40 U	0.42 U
Benzo(a)anthracene	1	**0.60**	0.040 U	0.042 U
Benzo(a)pyrene	1	**0.39**	0.040 U	0.042 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-147	CGSB-147	CGSB-147
Sample ID:		CGSB-147 (7-8)	CGSB-147 (38-40)	DUP-CG01_11_08_12
Sample Interval (feet bgs):		7.00 to 8.00	38.00 to 40.00	38.00 to 40.00
Sample Interval (feet NAVD88):	Soil Cleanup	0.80 to -0.20	-30.20 to -32.20	-30.20 to -32.20
Parameter / Sample Date:	Objective[5]	11/8/2012	11/8/2012	11/8/2012
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	**0.44**	0.040 U	0.042 U
Benzo(g,h,i)perylene	100	**0.37 J**	0.40 U	0.42 U
Benzo(k)fluoranthene	1.7	**0.15**	0.040 U	0.042 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	NA	NA	NA
Bis(2-chloroethoxy)methane	--	0.42 U	0.40 U	0.42 U
Bis(2-chloroethyl)ether	--	0.042 U	0.040 U	0.042 U
Bis(2-ethylhexyl)phthalate	--	0.42 U	0.40 U	0.42 U
Bromophenyl phenyl ether, 4-	--	0.42 U	0.40 U	0.42 U
Butyl benzyl phthalate	--	0.42 U	0.40 U	0.42 U
Carbazole	--	**0.12 J**	0.40 U	0.42 U
Chloro-3-methylphenol, 4-	--	0.42 U	0.40 U	0.42 U
Chloroaniline, 4-	--	0.42 U	0.40 U	0.42 U
Chloronaphthalene, 2-	--	0.42 U	0.40 U	0.42 U
Chlorophenol, 2-	--	0.42 U	0.40 U	0.42 U
Chlorophenyl phenyl ether, 4-	--	0.42 U	0.40 U	0.42 U
Chrysene	1	**0.76**	0.40 U	0.42 U
Dibenzo(a,h)anthracene	0.33	**0.11**	0.040 U	0.042 U
Dibenzofuran	59	**0.35 J**	0.40 U	0.42 U
Dichlorobenzene, 1,2-	1.1	0.42 U	0.40 U	0.42 UJ
Dichlorobenzene, 1,3-	2.4	0.42 U	0.40 U	0.42 UJ
Dichlorobenzene, 1,4-	1.8	0.42 U	0.40 U	0.42 UJ
Dichlorobenzidine, 3,3-	--	0.86 U	0.82 UJ	0.86 UJ
Dichlorophenol, 2,4-	--	0.42 U	0.40 U	0.42 U
Diethyl phthalate	--	0.42 U	0.40 U	0.42 U
Dimethylphenol, 2,4-	--	0.42 U	0.40 U	0.42 U
Dimethyl phthalate	--	0.42 U	0.40 U	0.42 U
Di-n-butyl phthalate	--	0.42 U	0.40 U	0.42 U
Di-n-octyl phthalate	--	0.42 U	0.40 U	0.42 U
Dinitro-2-methylphenol, 4,6-	--	1.3 U	1.2 U	R
Dinitrophenol, 2,4-	--	1.3 UJ	1.2 U	R
Dinitrotoluene, 2,4-	--	0.086 U	0.082 U	0.086 U
Dinitrotoluene, 2,6-	--	0.086 U	0.082 U	0.086 U
Fluoranthene	100	**1.1**	0.40 U	0.42 U
Fluorene	100	**0.38 J**	0.40 U	0.42 U
Hexachlorobenzene	1.2	0.042 U	0.040 U	0.042 U
Hexachlorobutadiene	--	0.086 U	0.082 U	0.086 U
Hexachlorocyclopentadiene	--	0.42 U	0.40 U	0.42 UJ
Hexachloroethane	--	0.042 U	0.040 U	0.042 UJ
Indeno(1,2,3-cd)pyrene	0.5	**0.29 J**	0.040 U	0.042 U
Isophorone	--	0.42 U	0.40 U	0.42 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Sample Interval (feet bgs): / Sample Interval (feet NAVD88): / Parameter / Sample Date:	Soil Cleanup Objective[5]	Supplemental Remedial Investigation		
		CGSB-147 CGSB-147 (7-8) 7.00 to 8.00 0.80 to -0.20 11/8/2012	CGSB-147 CGSB-147 (38-40) 38.00 to 40.00 -30.20 to -32.20 11/8/2012	CGSB-147 DUP-CG01_11_08_12 38.00 to 40.00 -30.20 to -32.20 11/8/2012
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	**0.23 J**	0.40 U	0.42 U
Methylphenol, 2-	0.33	0.42 U	0.40 U	0.42 U
Methylphenol, 4-	0.33	0.42 U	0.40 U	0.42 U
Naphthalene	12	**0.16 J**	0.40 U	0.42 U
Nitroaniline, 2-	--	0.86 U	0.82 U	0.86 U
Nitroaniline, 3-	--	0.86 U	0.82 U	0.86 U
Nitroaniline, 4-	--	0.86 U	0.82 U	0.86 U
Nitrobenzene	--	0.042 U	0.040 U	0.042 U
Nitrophenol, 2-	--	0.42 U	0.40 U	0.42 U
Nitrophenol, 4-	--	1.3 U	1.2 U	1.3 U
N-Nitrosodi-n-propylamine	--	0.042 U	0.040 U	0.042 U
N-Nitrosodiphenylamine	--	0.42 U	0.40 U	0.42 U
Oxybis(1-chloropropane), 2,2'-	--	0.42 U	0.40 U	0.42 U
Pentachlorophenol	0.8	1.3 U	1.2 U	1.3 U
Phenanthrene	100	**2.8**	0.40 U	0.42 U
Phenol	0.33	0.42 U	0.40 U	0.42 U
Pyrene	100	**1.4**	0.40 U	0.42 U
Trichlorobenzene, 1,2,4-	--	0.042 U	0.040 U	0.042 U
Trichlorophenol, 2,4,5-	--	0.42 U	0.40 U	0.42 U
Trichlorophenol, 2,4,6-	--	0.42 U	0.40 U	0.42 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-147	CGSB-147	CGSB-147
Sample ID:		CGSB-147 (7-8)	CGSB-147 (38-40)	DUP-CG01_11_08_12
Sample Interval (feet bgs):		7.00 to 8.00	38.00 to 40.00	38.00 to 40.00
Sample Interval (feet NAVD88):	Soil Cleanup	0.80 to -0.20	-30.20 to -32.20	-30.20 to -32.20
Parameter / Sample Date:	Objective[5]	11/8/2012	11/8/2012	11/8/2012
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**3.80**	**3.70**	**3.40**
Barium	400	**82.8**	**15.9 J**	**43.0 J**
Cadmium	4.3	1.30 U	1.10 U	1.20 U
Chromium	19	**27.5**	**6.10**	**7.00**
Lead	400	**74.0**	**2.30**	**3.10**
Mercury	0.73	**0.690**	0.0390 U	0.0410 U
Selenium	4	2.60 U	2.30 U	2.40 U
Silver	8.3	2.60 U	2.30 U	2.40 U
Cyanide				
Cyanide, Total	27	**0.072 J**	0.12 U	0.13 U
Cyanide, Free	--	**0.14 J**	2.5 U	2.8 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-150	CGSB-150	CGSB-151
Sample ID:		CGSB-150 (26-27)	CGSB-XXX_05_20_13	CGSB-151 (26-27)
Sample Interval (feet bgs):		26.00 to 27.00	26.00 to 27.00	26.00 to 27.00
Sample Interval (feet NAVD88):	Soil Cleanup	-14.72 to -15.72	-14.72 to -15.72	-17.68 to -18.68
Parameter / Sample Date:	Objective[5]	5/20/2013	5/20/2013	5/20/2013
Volatile Organic Compounds				
Acetone	0.05	0.013 U	0.010 U	0.063 U
Benzene	0.06	0.0013 U	0.0010 U	0.00088 U
Bromodichloromethane	--	0.0013 U	0.0010 U	0.00088 U
Bromoform	--	0.0013 U	0.0010 U	0.00088 U
Bromomethane	--	0.0013 U	0.0010 U	0.00088 U
Butanone, 2-	0.12	0.013 U	0.010 U	**0.012**
Carbon disulfide	--	0.0013 U	0.0010 U	**0.00083 J**
Carbon tetrachloride	0.76	0.0013 U	0.0010 U	0.00088 U
Chlorobenzene	1.1	0.0013 U	0.0010 U	0.00088 U
Chloroethane	--	0.0013 UJ	0.0010 UJ	0.00088 U
Chloroform	0.37	0.0013 U	0.0010 U	0.00088 U
Chloromethane	--	0.0013 U	0.0010 U	0.00088 U
Dibromochloromethane	--	0.0013 U	0.0010 U	0.00088 U
Dichloroethane, 1,1-	0.27	0.0013 U	0.0010 U	0.00088 U
Dichloroethane, 1,2-	0.02	0.0013 U	0.0010 U	0.00088 U
Dichloroethene, 1,1-	0.33	0.0013 U	0.0010 U	0.00088 U
Dichloroethene, cis-1,2-	0.25	0.0013 U	0.0010 U	0.00088 U
Dichloroethene, trans-1,2-	0.19	0.0013 U	0.0010 U	0.00088 U
Dichloropropane, 1,2-	--	0.0013 U	0.0010 U	0.00088 U
Dichloropropene, cis-1,3-	--	0.0013 U	0.0010 U	0.00088 U
Dichloropropene, trans-1,3-	--	0.0013 U	0.0010 U	0.00088 U
Ethylbenzene	1	0.0013 U	0.0010 U	0.00088 U
Hexanone, 2-	--	0.013 U	0.010 U	0.0088 U
Methyl-2-pentanone, 4-	--	0.013 U	0.010 U	0.0088 U
Methylene chloride	0.05	0.0013 U	0.0010 U	0.00088 U
Styrene	--	0.0013 U	0.0010 U	0.00088 U
Tetrachloroethane, 1,1,2,2-	--	0.0013 U	0.0010 U	0.00088 U
Tetrachloroethene	1.3	0.0013 U	0.0010 U	0.00088 U
Toluene	0.7	0.0013 U	0.0010 U	0.00088 U
Trichloroethane, 1,1,1-	0.68	0.0013 U	0.0010 U	0.00088 U
Trichloroethane, 1,1,2-	--	0.0013 U	0.0010 U	0.00088 U
Trichloroethene	0.47	0.0013 U	0.0010 U	0.00088 U
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	0.02	0.0013 U	0.0010 U	0.00088 U
Xylenes, Total	1.6	0.0039 U	0.003 U	0.0026 U
Semivolatile Organic Compounds				
Acenaphthene	98	0.43 U	0.43 U	0.42 U
Acenaphthylene	100	0.43 U	0.43 U	0.42 U
Anthracene	100	0.43 U	0.43 U	0.42 U
Benzo(a)anthracene	1	0.043 U	0.043 U	0.042 U
Benzo(a)pyrene	1	0.043 U	0.043 U	0.042 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-150	CGSB-150	CGSB-151
Sample ID:		CGSB-150 (26-27)	CGSB-XXX_05_20_13	CGSB-151 (26-27)
Sample Interval (feet bgs):		26.00 to 27.00	26.00 to 27.00	26.00 to 27.00
Sample Interval (feet NAVD88):	Soil Cleanup	-14.72 to -15.72	-14.72 to -15.72	-17.68 to -18.68
Parameter / Sample Date:	Objective[5]	5/20/2013	5/20/2013	5/20/2013
Semivolatile Organic Compounds (continued)				
Benzo(b)fluoranthene	1	0.043 U	0.043 U	0.042 U
Benzo(g,h,i)perylene	100	0.43 U	0.43 U	0.42 U
Benzo(k)fluoranthene	1.7	0.043 U	0.043 U	0.042 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	NA	NA	NA
Bis(2-chloroethoxy)methane	--	0.43 U	0.43 U	0.42 U
Bis(2-chloroethyl)ether	--	0.043 U	0.043 U	0.042 U
Bis(2-ethylhexyl)phthalate	--	0.43 U	0.43 U	0.42 U
Bromophenyl phenyl ether, 4-	--	0.43 U	0.43 U	0.42 U
Butyl benzyl phthalate	--	0.43 U	0.43 U	0.42 U
Carbazole	--	0.43 U	0.43 U	0.42 U
Chloro-3-methylphenol, 4-	--	0.43 U	0.43 U	0.42 U
Chloroaniline, 4-	--	0.43 U	0.43 U	0.42 U
Chloronaphthalene, 2-	--	0.43 U	0.43 U	0.42 U
Chlorophenol, 2-	--	0.43 U	0.43 U	0.42 U
Chlorophenyl phenyl ether, 4-	--	0.43 U	0.43 U	0.42 U
Chrysene	1	0.43 U	0.43 U	0.42 U
Dibenzo(a,h)anthracene	0.33	0.043 U	0.043 U	0.042 U
Dibenzofuran	59	0.43 U	0.43 U	0.42 U
Dichlorobenzene, 1,2-	1.1	0.43 U	0.43 U	0.42 U
Dichlorobenzene, 1,3-	2.4	0.43 U	0.43 U	0.42 U
Dichlorobenzene, 1,4-	1.8	0.43 U	0.43 U	0.42 U
Dichlorobenzidine, 3,3-	--	0.88 U	0.87 U	0.85 U
Dichlorophenol, 2,4-	--	0.43 U	0.43 U	0.42 U
Diethyl phthalate	--	0.43 U	0.43 U	0.42 U
Dimethylphenol, 2,4-	--	0.43 U	0.43 U	0.42 U
Dimethyl phthalate	--	0.43 U	0.43 U	0.42 U
Di-n-butyl phthalate	--	0.43 U	0.43 U	0.42 U
Di-n-octyl phthalate	--	0.43 U	0.43 U	0.42 U
Dinitro-2-methylphenol, 4,6-	--	1.3 U	1.3 U	1.3 U
Dinitrophenol, 2,4-	--	1.3 U	1.3 U	1.3 UJ
Dinitrotoluene, 2,4-	--	0.088 U	0.087 U	0.085 U
Dinitrotoluene, 2,6-	--	0.088 U	0.087 U	0.085 U
Fluoranthene	100	0.43 U	0.43 U	0.42 U
Fluorene	100	0.43 U	0.43 U	0.42 U
Hexachlorobenzene	1.2	0.043 U	0.043 U	0.042 U
Hexachlorobutadiene	--	0.088 U	0.087 U	0.085 U
Hexachlorocyclopentadiene	--	0.43 U	0.43 U	0.42 U
Hexachloroethane	--	0.043 U	0.043 U	0.042 U
Indeno(1,2,3-cd)pyrene	0.5	0.043 U	0.043 U	0.042 U
Isophorone	--	0.43 U	0.43 U	0.42 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-150	CGSB-150	CGSB-151
Sample ID:		CGSB-150 (26-27)	CGSB-XXX_05_20_13	CGSB-151 (26-27)
Sample Interval (feet bgs):		26.00 to 27.00	26.00 to 27.00	26.00 to 27.00
Sample Interval (feet NAVD88):	Soil Cleanup	-14.72 to -15.72	-14.72 to -15.72	-17.68 to -18.68
Parameter / Sample Date:	Objective[5]	5/20/2013	5/20/2013	5/20/2013
Semivolatile Organic Compounds (continued)				
Methylnaphthalene, 2-	--	0.43 U	0.43 U	0.42 U
Methylphenol, 2-	0.33	0.43 U	0.43 U	0.42 U
Methylphenol, 4-	0.33	0.43 U	0.43 U	0.42 U
Naphthalene	12	0.43 U	0.43 U	0.42 U
Nitroaniline, 2-	--	0.88 U	0.87 U	0.85 U
Nitroaniline, 3-	--	0.88 U	0.87 U	0.85 U
Nitroaniline, 4-	--	0.88 U	0.87 U	0.85 U
Nitrobenzene	--	0.043 U	0.043 U	0.042 U
Nitrophenol, 2-	--	0.43 U	0.43 U	0.42 U
Nitrophenol, 4-	--	1.3 U	1.3 U	1.3 U
N-Nitrosodi-n-propylamine	--	0.043 U	0.043 U	0.042 U
N-Nitrosodiphenylamine	--	0.43 U	0.43 U	0.42 U
Oxybis(1-chloropropane), 2,2'-	--	0.43 U	0.43 U	0.42 U
Pentachlorophenol	0.8	1.3 U	1.3 U	1.3 U
Phenanthrene	100	0.43 U	0.43 U	0.42 U
Phenol	0.33	0.43 U	0.43 U	0.42 U
Pyrene	100	0.43 U	0.43 U	0.42 U
Trichlorobenzene, 1,2,4-	--	0.043 U	0.043 U	0.042 U
Trichlorophenol, 2,4,5-	--	0.43 U	0.43 U	0.42 U
Trichlorophenol, 2,4,6-	--	0.43 U	0.43 U	0.42 U
Polychlorinated Biphenyls				
Aroclor 1016	1	NA	NA	NA
Aroclor 1221	1	NA	NA	NA
Aroclor 1232	1	NA	NA	NA
Aroclor 1242	1	NA	NA	NA
Aroclor 1248	1	NA	NA	NA
Aroclor 1254	1	NA	NA	NA
Aroclor 1260	1	NA	NA	NA
Pesticides				
Aldrin	0.097	NA	NA	NA
BHC, alpha-	0.02	NA	NA	NA
BHC, beta-	0.09	NA	NA	NA
BHC, delta-	0.25	NA	NA	NA
BHC, gamma-	--	NA	NA	NA
Chlordane, alpha-	2.9	NA	NA	NA
Chlordane, gamma-	--	NA	NA	NA
DDD, 4,4'-	13	NA	NA	NA
DDE, 4,4'-	8.9	NA	NA	NA
DDT, 4,4'-	7.9	NA	NA	NA
Dieldrin	0.1	NA	NA	NA
Endosulfan, alpha-	24	NA	NA	NA

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation		
Location ID:		CGSB-150	CGSB-150	CGSB-151
Sample ID:		CGSB-150 (26-27)	CGSB-XXX_05_20_13	CGSB-151 (26-27)
Sample Interval (feet bgs):		26.00 to 27.00	26.00 to 27.00	26.00 to 27.00
Sample Interval (feet NAVD88):	Soil Cleanup	-14.72 to -15.72	-14.72 to -15.72	-17.68 to -18.68
Parameter / Sample Date:	Objective[5]	5/20/2013	5/20/2013	5/20/2013
Pesticides (continued)				
Endosulfan, beta-	24	NA	NA	NA
Endosulfan sulphate	24	NA	NA	NA
Endrin	0.06	NA	NA	NA
Endrin aldehyde	--	NA	NA	NA
Endrin ketone	--	NA	NA	NA
Heptachlor	0.38	NA	NA	NA
Heptachlor epoxide	--	NA	NA	NA
Methoxychlor	--	NA	NA	NA
Toxaphene	--	NA	NA	NA
Herbicides				
D, 2,4-	--	NA	NA	NA
T, 2,4,5-	--	NA	NA	NA
TP, 2,4,5-	3.8	NA	NA	NA
Metals				
Arsenic	16	**2.40**	**1.90**	**6.60**
Barium	400	**77.8**	**43.3 J**	**72.8**
Cadmium	4.3	1.30 U	1.20 U	1.10 U
Chromium	19	**12.2**	**11.3**	**15.2**
Lead	400	**7.80**	**6.50**	**7.70**
Mercury	0.73	0.0220 U	0.0210 U	0.0180 U
Selenium	4	2.50 U	2.40 U	2.20 U
Silver	8.3	2.50 U	2.40 U	2.20 U
Cyanide				
Cyanide, Total	27	0.13 UJ	0.13 UJ	0.13 UJ
Cyanide, Free	--	2.8 U	2.7 U	2.6 U

Table 6
Summary of Subsurface Soil Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Notes:

1. Subsurface soil sample data summarized in this table for soil borings CGSB-26, CGSB-31 through CGSB-33, CGSB-39, CGSB-42 through CGSB-44, CGSB-48, CGSB-49, and CGSB-52 were originally presented in Table 11 of the *Final Remedial Investigation Report* (GEI 2005).
2. Subsurface soil sample data summarized in this table for soil borings CGSB-53 and CGSB-56 through CGSB-60 were originally presented in Table 1 of the *Supplemental Remedial Investigation (SRI) Interim Data Summary* (National Grid 2009).
3. Sample concentrations are presented in units of milligrams per kilogram (mg/kg).
4. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
5. Soil cleanup objectives (SCOs) reflect the lower of the restricted use SCOs for protection of public health (restricted residential) or protection of groundwater, as set forth in Table 375-6.8(b) of 6 NYCRR 375.
6. Bolded sample concentrations denote detected parameters.
7. Gray shading denotes sample concentrations that exceed the applicable SCOs.
8. --: No SCO is listed in Table 375-6.8(b) of 6 NYCRR 375 for this parameter.
9. bgs: below ground surface.
10. NA: not analyzed.

Data Qualifiers:

1. *: Laboratory duplicate analysis was outside control limits.
2. B: Parameter was also detected in the associated method blank.
3. H: Parameter was analyzed out of holding time.
4. 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.
5. R: Sample result has been rejected.
6. U: Parameter was not detected in the sample. The reported concentration is the RL.
7. UB: Parameter is considered non-detect at the listed value due to associated blank contamination.
8. 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 7
Final Groundwater Field Parameter Measurements and Physical Observations at Time of Sampling
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Location ID	Sample Date	Flow Rate (mL/min)	Groundwater Depth (feet bmp)	Temperature (°C)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Odor	Color	Sheen
Remedial Investigation												
CGMW-06S	6/4/2003	NR	8.80	14.38	7.23	1,316.39	27.71	0.73	-96.17	Slight Petroleum Odor	Clear	None
	4/15/2005	205.90	6.72	13.31	7.32	957.08	955.10	NR*	-72.00	Moderate Sewage Odor	Clear	None
CGMW-06D	6/5/2003	876.00	9.78	15.43	7.51	28,118.93	0.07	22.04	-128.84	None	Clear	None
	4/15/2005	1,544.40	8.12	14.85	6.80	26,740.05	46.30	NR*	-50.00	None	Gray, Silty	None
	5/4/2005	399.60	8.52	15.41	7.01	27,010.00	34.38	0.01	-102.00	None	Slightly Cloudy	None
CGMW-11	4/13/2005	740.40	3.83	13.52	7.47	15,732.53	7.60	NR*	-174.00	Slight Naphthalene Odor	Clear	Spotty Sheen
CGMW-12	4/13/2005	343.20	5.51	11.86	6.89	1,547.00	589.30	1.54	2.00	None	Clear	None
CGMW-16 CH2	5/5/2005	NR	5.65	17.64	7.12	13,903.07	207.20	0.72	-112.00	NR	NR	NR
CGMW-16 CH4	5/5/2005	50.00	4.47	20.19	8.70	10,692.41	13.00	2.02	18.00	Trace Tar Odor	Clear	None
CGMW-16 CH6	5/5/2005	125.00	4.05	14.99	7.45	10,340.00	50.11	1.86	-112.00	None	Clear	None
CGMW-17 CH2	5/4/2005	NR	14.88	19.41	6.99	1,407.98	35.80	3.68	-102.00	NR	NR	NR
CGMW-17 CH4	5/4/2005	NR	19.70	15.46	7.46	4,489.66	415.20	NR*	-105.00	NR	NR	NR
CGMW-17 CH6	5/4/2005	NR	19.50	16.70	6.91	11,209.55	2,278.10	NR*	-63.00	NR	NR	NR
CGMW-18 CH2	5/5/2005	41.40	12.11	11.95	6.85	2,320.00	217.90	2.32	-92.00	Naphthalene Odor	Clear	None
CGMW-18 CH6	5/5/2005	480.00	11.82	14.11	7.33	1,992.35	15.10	1.31	-130.00	NR	NR	NR
CGMW-19 CH1	5/4/2005	NR	7.14	19.43	7.83	4,359.27	341.90	4.86	-243.00	Strong Sewage Odor	Clear	None
CGMW-19 CH4	5/4/2005	37.00	5.88	17.41	7.10	1,537.52	1,080.00	8.20	-75.00	None	Cloudy	None
CGMW-19 CH6	5/4/2005	41.40	5.08	15.98	7.16	1,266.83	64.30	8.88	-87.00	None	Clear	None
CGMW-22 CH1	5/5/2005	NR	5.10	16.34	6.62	10,847.39	4.10	9.02	-104.00	NR	NR	NR
CGMW-22 CH5	5/5/2005	NR	4.10	16.24	6.91	12,193.85	94.90	9.07	-121.00	NR	NR	NR
Supplemental Remedial Investigation												
CGMW-23	6/10/2015	151.40	NR	19.29	6.20	3,362.00	30.10	2.89	-6.80	Slight Petroleum Odor	Light Yellow	Trace Sheen
CGMW-27	6/11/2015	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	None	Clear	None
CGMW-29	6/11/2015	189.30	6.24	17.67	6.48	4,671.00	7.70	0.30	-81.30	None	Clear	None
CGMW-32	6/11/2015	283.90	4.22	18.92	6.43	3,547.00	10.10	0.36	-75.80	None	Clear	None
CGMW-40	7/28/2015	189.27	8.29	19.60	6.52	4,259.00	8.40	5.33	-102.00	Slight Sulfur Odor	Slightly Gray	None
CGMW-44	6/11/2015	208.20	14.00	16.61	6.37	5,222.00	15.00	0.93	60.00	None	Clear	None
CGMW-46	6/11/2015	151.40	8.92	18.21	6.36	3,210.00	6.00	0.75	150.50	None	Clear	None
CGMW-47	6/11/2015	246.10	5.96	18.72	5.99	3,996.00	46.50	0.71	-18.40	None	Slightly Orange	None

Table 7
Final Groundwater Field Parameter Measurements and Physical Observations at Time of Sampling
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Notes:

1. Final (stabilized) groundwater field parameter measurements and physical observations for monitoring wells CGMW-06S, CGMW-06D, CGMW-11, CGMW-12, CGMW-16 through CGMW-19, and CGMW-22 were presented in Table 6 of the *Final Remedial Investigation Report* (GEI 2005).
2. bmp: below measuring point.
3. °C: degrees Celsius.
4. mg/L: milligrams per liter.
5. mL/min: milliliters per minute.
6. mV: millivolts.
7. NR: not recorded.
8. NR*: not recorded due to instrumentation failure.
9. NR**: well ran dry during purging, preventing accurate parameters from being recorded. The groundwater sample was collected from the recharged water.
10. NTU: nephelometric turbidity units.
11. SU: Standard Units.
12. uS/cm: microSiemens per centimeter.

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Screened Interval (feet bgs): / Screened Interval (feet NAVD88): / Parameter / Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Remedial Investigation			
		CGMW-06S CGMW-06S 10.00 to 20.00 0.57 to -9.43 6/4/2003	CGMW-06S CGMW-06S 10.00 to 20.00 0.57 to -9.43 4/15/2005	CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 6/5/2003	CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 4/15/2005
Volatile Organic Compounds					
Acetone	50	**14 J**	190 J	R	NA
Benzene	1	**250**	**860**	**6.0**	NA
Bromochloromethane	5	NA	NA	NA	NA
Bromodichloromethane	50	25 U	50 U	**0.80 J**	NA
Bromoform	50	25 UJ	50 U	5.0 UJ	NA
Bromomethane	5	25 UJ	50 U	5.0 UJ	NA
Butanone, 2-	50	50 UJ	100 U	10 UJ	NA
Carbon disulfide	--	25 U	50 U	5.0 U	NA
Carbon tetrachloride	5	25 U	50 U	5.0 U	NA
Chlorobenzene	5	25 U	50 U	5.0 U	NA
Chloroethane	5	25 U	50 U	5.0 U	NA
Chloroform	7	25 U	50 U	**22**	NA
Chloromethane	5	25 U	50 U	5.0 U	NA
Cyclohexane	--	NA	NA	NA	NA
Dibromochloromethane	50	25 U	50 U	5.0 U	NA
Dibromo-3-chloropropane, 1,2-	5	NA	NA	NA	NA
Dibromoethane, 1,2-	5	NA	NA	NA	NA
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA
Dichlorobenzene, 1,3-	3	NA	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA	NA
Dichloroethane, 1,1-	5	25 U	50 U	5.0 U	NA
Dichloroethane, 1,2-	0.6	25 U	50 U	5.0 U	NA
Dichloroethene, 1,1-	5	25 U	50 U	5.0 U	NA
Dichloroethene, cis-1,2-	5	25 U	50 U	5.0 U	NA
Dichloroethene, trans-1,2-	5	25 U	50 U	5.0 U	NA
Dichloropropane, 1,2-	1	25 U	50 U	5.0 U	NA
Dichloropropene, cis-1,3-	0.4	25 UJ	50 U	5.0 UJ	NA
Dichloropropene, trans-1,3-	0.4	25 UJ	50 U	5.0 UJ	NA
Dioxane, 1,4-	--	NA	NA	NA	NA
Ethylbenzene	5	**700**	**120**	**1.0 J**	NA
Hexanone, 2-	50	50 UJ	100 U	10 UJ	NA
Isopropylbenzene	5	NA	NA	NA	NA
Methyl acetate	--	NA	NA	NA	NA
Methyl-2-pentanone, 4-	--	50 UJ	100 U	10 UJ	NA
Methyl tert-butyl ether	--	NA	NA	NA	NA
Methylcyclohexane	--	NA	NA	NA	NA
Methylene chloride	5	25 U	50 UB	5.0 U	NA
Styrene	5	25 U	50 U	**0.50 J**	NA
Tetrachloroethane, 1,1,2,2-	5	25 U	50 U	5.0 U	NA
Tetrachloroethene	5	25 U	50 U	5.0 U	NA

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation			
Location ID:		CGMW-06S	CGMW-06S	CGMW-06D	CGMW-06D
Sample ID:		CGMW-06S	CGMW-06S	CGMW-06D	CGMW-06D
Screened Interval (feet bgs):	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	10.00 to 20.00	10.00 to 20.00	120.00 to 130.00	120.00 to 130.00
Screened Interval (feet NAVD88):		0.57 to -9.43	0.57 to -9.43	-109.46 to -119.46	-109.46 to -119.46
Parameter Sample Date:		6/4/2003	4/15/2005	6/5/2003	4/15/2005
Volatile Organic Compounds (continued)					
Toluene	5	**60**	**49 J**	**5.0**	NA
Trichlorobenzene, 1,2,3-	5	NA	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	NA	NA	NA	NA
Trichloroethane, 1,1,1-	5	25 U	50 U	5.0 U	NA
Trichloroethane, 1,1,2-	1	25 U	50 U	5.0 U	NA
Trichloroethene	5	25 U	50 U	5.0 U	NA
Trichlorofluoromethane	5	NA	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	NA	NA	NA	NA
Vinyl acetate	--	25 U	NA	5.0 U	NA
Vinyl chloride	2	25 U	50 U	5.0 U	NA
Xylene, m,p-	5	NA	NA	NA	NA
Xylene, o-	5	NA	NA	NA	NA
Xylenes, Total	--	**190**	**89**	**2 J**	NA
Semivolatile Organic Compounds					
Acenaphthene	20	**20**	**13 J**	**0.50 J**	10 U
Acenaphthylene	--	**1.0 J**	20 U	**3.0 J**	10 U
Acetophenone	--	NA	NA	NA	NA
Anthracene	50	**2.0 J**	20 U	10 U	10 U
Atrazine	7.5	NA	NA	NA	NA
Benzaldehyde	--	NA	NA	NA	NA
Benzo(a)anthracene	0.002	20 U	20 U	10 U	10 U
Benzo(a)pyrene	ND	20 U	20 U	10 U	10 U
Benzo(b)fluoranthene	0.002	20 U	20 U	10 U	10 U
Benzo(g,h,i)perylene	--	20 U	20 U	10 U	10 U
Benzo(k)fluoranthene	0.002	20 U	20 U	10 U	10 U
Benzoic acid	--	R	NA	50 UJ	NA
Benzyl alcohol	--	20 U	20 U	10 U	10 U
Biphenyl, 1,1'-	5	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	5	20 U	20 U	10 U	10 U
Bis(2-chloroethyl)ether	1	**5.0 J**	20 U	10 U	10 U
Bis(2-ethylhexyl)phthalate	5	20 U	20 U	**2.0 J**	10 U
Bromophenyl phenyl ether, 4-	--	20 U	20 U	10 U	10 U
Butyl benzyl phthalate	50	20 U	20 U	10 U	10 U
Caprolactam	--	NA	NA	NA	NA
Carbazole	--	**27**	**9.0 J**	10 U	10 U
Chloro-3-methylphenol, 4-	--	20 U	20 U	10 U	10 U
Chloroaniline, 4-	5	20 U	20 U	10 U	10 U
Chloronaphthalene, 2-	10	20 U	20 U	10 U	10 U
Chlorophenol, 2-	--	20 U	20 U	10 U	10 U
Chlorophenyl phenyl ether, 4-	--	20 U	20 U	10 U	10 U
Chrysene	0.002	20 U	20 U	10 U	10 U

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation			
Location ID:		CGMW-06S	CGMW-06S	CGMW-06D	CGMW-06D
Sample ID:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	CGMW-06S	CGMW-06S	CGMW-06D	CGMW-06D
Screened Interval (feet bgs):		10.00 to 20.00	10.00 to 20.00	120.00 to 130.00	120.00 to 130.00
Screened Interval (feet NAVD88):		0.57 to -9.43	0.57 to -9.43	-109.46 to -119.46	-109.46 to -119.46
Parameter / Sample Date:		6/4/2003	4/15/2005	6/5/2003	4/15/2005
Semivolatile Organic Compounds (continued)					
Dibenzo(a,h)anthracene	--	20 U	20 U	10 U	10 U
Dibenzofuran	--	**11 J**	**7.0 J**	10 U	10 U
Dichlorobenzene, 1,2-	3	20 U	20 U	10 U	10 U
Dichlorobenzene, 1,3-	3	20 UJ	20 U	10 UJ	10 U
Dichlorobenzene, 1,4-	3	20 U	20 U	10 UJ	10 U
Dichlorobenzidine, 3,3-	5	40 U	40 U	20 U	20 U
Dichlorophenol, 2,4-	5	20 U	20 U	10 U	10 U
Diethyl phthalate	50	20 U	20 U	10 U	10 U
Dimethylphenol, 2,4-	50	**42**	**6.0 J**	10 U	10 U
Dimethyl phthalate	50	20 U	20 U	10 U	10 U
Di-n-butyl phthalate	50	20 U	20 U	10 U	10 U
Di-n-octyl phthalate	50	20 U	20 U	10 U	10 U
Dinitro-2-methylphenol, 4,6-	--	100 U	100 U	50 U	50 U
Dinitrophenol, 2,4-	10	100 U	100 UJ	50 U	50 UJ
Dinitrotoluene, 2,4-	5	20 U	20 U	10 U	10 U
Dinitrotoluene, 2,6-	5	20 U	20 U	10 U	10 U
Fluoranthene	50	**2.0 J**	**2.0 J**	**0.50 J**	10 U
Fluorene	50	**12 J**	**7.0 J**	**2.0 J**	10 U
Hexachlorobenzene	0.04	20 U	20 U	10 U	10 U
Hexachlorobutadiene	0.5	20 U	20 U	10 UJ	10 U
Hexachlorocyclopentadiene	5	20 UJ	20 U	10 UJ	10 U
Hexachloroethane	5	20 UJ	20 U	10 UJ	10 U
Indeno(1,2,3-cd)pyrene	0.002	20 U	20 U	10 U	10 U
Isophorone	50	20 U	20 U	10 U	10 U
Methylnaphthalene, 2-	--	**29**	**19 J**	**6.0 J**	10 U
Methylphenol, 2-	--	**25**	20 U	10 U	10 U
Methylphenol, 4-	--	**42 J**	20 U	10 U	10 U
Naphthalene	10	**140**	**100 B**	**27**	10 U
Nitroaniline, 2-	5	100 U	100 U	50 U	50 U
Nitroaniline, 3-	5	100 U	100 U	50 U	50 U
Nitroaniline, 4-	5	40 U	40 U	20 U	20 U
Nitrobenzene	0.4	20 U	20 U	10 U	10 U
Nitrophenol, 2-	--	20 U	20 U	10 U	10 U
Nitrophenol, 4-	--	100 UJ	100 U	50 UJ	50 U
N-Nitrosodi-n-propylamine	--	20 U	20 U	10 U	10 U
N-Nitrosodiphenylamine	50	20 U	20 U	10 U	10 U
Oxybis(1-Chloropropane), 2,2'-	5	20 U	20 U	10 U	10 U
Pentachlorophenol	1	100 U	100 U	50 U	50 U
Phenanthrene	50	**15 J**	**12 J**	**3.0 J**	**0.60 J**
Phenol	1	**17 J**	**2.0 J**	10 UJ	10 U
Pyrene	50	**0.90 J**	**1.0 J**	**0.60 J**	10 U

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Screened Interval (feet bgs): / Screened Interval (feet NAVD88): / Parameter / Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Remedial Investigation			
		CGMW-06S CGMW-06S 10.00 to 20.00 0.57 to -9.43 6/4/2003	CGMW-06S CGMW-06S 10.00 to 20.00 0.57 to -9.43 4/15/2005	CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 6/5/2003	CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 4/15/2005
Semivolatile Organic Compounds (continued)					
Tetrachlorobenzene, 1,2,4,5-	10	NA	NA	NA	NA
Tetrachlorophenol, 2,3,4,6-	--	NA	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	20 U	20 U	10 U	10 U
Trichlorophenol, 2,4,5-	--	100 U	100 U	50 U	50 U
Trichlorophenol, 2,4,6-	--	20 U	20 U	10 U	10 U
Pesticides					
Aldrin	ND	0.050 U	NA	NA	NA
BHC, alpha-	0.01	0.050 U	NA	NA	NA
BHC, beta-	0.04	0.050 U	NA	NA	NA
BHC, delta-	0.04	0.050 U	NA	NA	NA
BHC, gamma-	0.05	0.050 U	NA	NA	NA
Chlordane, alpha-	0.05	0.050 U	NA	NA	NA
Chlordane, gamma-	0.05	0.050 U	NA	NA	NA
DDD, 4,4'-	0.3	0.15 U	NA	NA	NA
DDE, 4,4'-	0.2	0.10 U	NA	NA	NA
DDT, 4,4'-	0.2	0.10 U	NA	NA	NA
Dieldrin	0.004	0.10 U	NA	NA	NA
Endosulfan, alpha-	--	0.050 U	NA	NA	NA
Endosulfan, beta-	--	**0.096 J**	NA	NA	NA
Endosulfan sulfate	--	0.10 U	NA	NA	NA
Endrin	ND	**0.048 J**	NA	NA	NA
Endrin aldehyde	5	0.10 U	NA	NA	NA
Endrin ketone	5	0.10 U	NA	NA	NA
Heptachlor	0.04	0.050 U	NA	NA	NA
Heptachlor epoxide	0.03	0.050 U	NA	NA	NA
Methoxychlor	35	0.50 U	NA	NA	NA
Toxaphene	0.06	2.5 U	NA	NA	NA
Metals					
Arsenic	25	**18.6 J**	**19.0 B**	200 U	3.90 U
Barium	1,000	**24.6 B**	**79.7 J**	**210**	**101 J**
Cadmium	5	50.0 U	**1.30 J**	50.0 U	1.10 U
Chromium	50	50.0 U	1.30 U	50.0 U	1.30 U
Lead	25	50.0 U	**3.20 J**	50.0 U	3.00 UJ
Mercury	0.7	0.200 U	0.400 U	0.200 U	0.400 U
Selenium	10	150 U	5.00 U	150 U	5.00 U
Silver	50	30.0 U	1.10 U	30.0 U	1.10 U
Total Cyanide					
Cyanide, Total	200	10 UB	10 UJ	10 UB	10 UJ

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation			
Location ID:		CGMW-06D	CGMW-11	CGMW-12	CGMW-16 CH2
Sample ID:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	CGMW-06D	CGMW-11	CGMW-12	CGMW-16-CH2S
Screened Interval (feet bgs):		120.00 to 130.00	58.58 to 68.58	8.08 to 18.08	18.01 to 18.26
Screened Interval (feet NAVD88):		-109.46 to -119.46	-52.72 to -62.72	1.31 to -8.69	-10.79 to -11.04
Parameter / Sample Date:		5/4/2005	4/13/2005	4/13/2005	5/5/2005
Volatile Organic Compounds					
Acetone	50	**10 UJB**	10 UJ	10 UJ	**110 J**
Benzene	1	**5.8**	**130 J**	**0.74 J**	**26 J**
Bromochloromethane	5	NA	NA	NA	NA
Bromodichloromethane	50	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Bromoform	50	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Bromomethane	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Butanone, 2-	50	10 U	10 UJ	**1.4 J**	10 UJ
Carbon disulfide	--	**1.8 J**	5.0 UJ	5.0 U	5.0 UJ
Carbon tetrachloride	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Chlorobenzene	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Chloroethane	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Chloroform	7	5.0 U	**6.6 J**	5.0 U	**0.83 J**
Chloromethane	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Cyclohexane	--	NA	NA	NA	NA
Dibromochloromethane	50	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Dibromo-3-chloropropane, 1,2-	5	NA	NA	NA	NA
Dibromoethane, 1,2-	5	NA	NA	NA	NA
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA
Dichlorobenzene, 1,3-	3	NA	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA	NA
Dichloroethane, 1,1-	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Dichloroethane, 1,2-	0.6	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Dichloroethene, 1,1-	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Dichloroethene, cis-1,2-	5	5.0 U	5.0 UJ	**1.1 J**	5.0 UJ
Dichloroethene, trans-1,2-	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Dichloropropane, 1,2-	1	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Dichloropropene, cis-1,3-	0.4	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Dichloropropene, trans-1,3-	0.4	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Dioxane, 1,4-	--	NA	NA	NA	NA
Ethylbenzene	5	5.0 U	**140 J**	5.0 U	**27 J**
Hexanone, 2-	50	10 U	10 UJ	10 UJ	10 UJ
Isopropylbenzene	5	NA	NA	NA	NA
Methyl acetate	--	NA	NA	NA	NA
Methyl-2-pentanone, 4-	--	10 U	10 UJ	10 UJ	10 UJ
Methyl tert-butyl ether	--	NA	NA	NA	NA
Methylcyclohexane	--	NA	NA	NA	NA
Methylene chloride	5	5.0 U	5.0 UJB	5.0 UJB	5.0 UJB
Styrene	5	5.0 U	**6.2 J**	5.0 U	5.0 UJ
Tetrachloroethane, 1,1,2,2-	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Tetrachloroethene	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Remedial Investigation			
Location ID:		CGMW-06D	CGMW-11	CGMW-12	CGMW-16 CH2
Sample ID:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	CGMW-06D	CGMW-11	CGMW-12	CGMW-16-CH2S
Screened Interval (feet bgs):		120.00 to 130.00	58.58 to 68.58	8.08 to 18.08	18.01 to 18.26
Screened Interval (feet NAVD88):		-109.46 to -119.46	-52.72 to -62.72	1.31 to -8.69	-10.79 to -11.04
Parameter / Sample Date:		5/4/2005	4/13/2005	4/13/2005	5/5/2005
Volatile Organic Compounds (continued)					
Toluene	5	5.0 UJ	**41 J**	5.0 U	**21 J**
Trichlorobenzene, 1,2,3-	5	NA	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	NA	NA	NA	NA
Trichloroethane, 1,1,1-	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Trichloroethane, 1,1,2-	1	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Trichloroethene	5	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Trichlorofluoromethane	5	NA	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	NA	NA	NA	NA
Vinyl acetate	--	NA	NA	NA	NA
Vinyl chloride	2	5.0 U	5.0 UJ	**8.2 J**	5.0 UJ
Xylene, m,p-	5	NA	NA	NA	NA
Xylene, o-	5	NA	NA	NA	NA
Xylenes, Total	--	5 U	**87 J**	5 U	**33 J**
Semivolatile Organic Compounds					
Acenaphthene	20	NA	**110 J**	10 U	NA
Acenaphthylene	--	NA	**59 J**	10 U	NA
Acetophenone	--	NA	NA	NA	NA
Anthracene	50	NA	560 U	10 U	NA
Atrazine	7.5	NA	NA	NA	NA
Benzaldehyde	--	NA	NA	NA	NA
Benzo(a)anthracene	0.002	NA	560 U	10 U	NA
Benzo(a)pyrene	ND	NA	560 U	10 U	NA
Benzo(b)fluoranthene	0.002	NA	560 U	10 U	NA
Benzo(g,h,i)perylene	--	NA	560 U	10 U	NA
Benzo(k)fluoranthene	0.002	NA	560 U	10 U	NA
Benzoic acid	--	NA	NA	NA	NA
Benzyl alcohol	--	NA	560 U	10 U	NA
Biphenyl, 1,1'-	5	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	5	NA	560 U	10 U	NA
Bis(2-chloroethyl)ether	1	NA	560 U	10 U	NA
Bis(2-ethylhexyl)phthalate	5	NA	560 U	10 U	NA
Bromophenyl phenyl ether, 4-	--	NA	560 U	10 U	NA
Butyl benzyl phthalate	50	NA	560 U	10 U	NA
Caprolactam	--	NA	NA	NA	NA
Carbazole	--	NA	560 U	10 U	NA
Chloro-3-methylphenol, 4-	--	NA	560 U	10 U	NA
Chloroaniline, 4-	5	NA	560 U	10 U	NA
Chloronaphthalene, 2-	10	NA	560 U	10 U	NA
Chlorophenol, 2-	--	NA	560 U	10 U	NA
Chlorophenyl phenyl ether, 4-	--	NA	560 U	10 U	NA
Chrysene	0.002	NA	560 U	10 U	NA

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Screened Interval (feet bgs): / Screened Interval (feet NAVD88): / Parameter / Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Remedial Investigation			
		CGMW-06D CGMW-06D 120.00 to 130.00 -109.46 to -119.46 5/4/2005	CGMW-11 CGMW-11 58.58 to 68.58 -52.72 to -62.72 4/13/2005	CGMW-12 CGMW-12 8.08 to 18.08 1.31 to -8.69 4/13/2005	CGMW-16 CH2 CGMW-16-CH2S 18.01 to 18.26 -10.79 to -11.04 5/5/2005
Semivolatile Organic Compounds (continued)					
Dibenzo(a,h)anthracene	--	NA	560 U	10 U	NA
Dibenzofuran	--	NA	560 U	10 U	NA
Dichlorobenzene, 1,2-	3	NA	560 U	10 U	NA
Dichlorobenzene, 1,3-	3	NA	560 U	10 U	NA
Dichlorobenzene, 1,4-	3	NA	560 U	10 U	NA
Dichlorobenzidine, 3,3-	5	NA	1,100 U	20 U	NA
Dichlorophenol, 2,4-	5	NA	560 U	10 U	NA
Diethyl phthalate	50	NA	560 U	10 U	NA
Dimethylphenol, 2,4-	50	NA	560 U	10 U	NA
Dimethyl phthalate	50	NA	560 U	10 U	NA
Di-n-butyl phthalate	50	NA	560 U	10 U	NA
Di-n-octyl phthalate	50	NA	560 U	10 U	NA
Dinitro-2-methylphenol, 4,6-	--	NA	2,800 U	50 U	NA
Dinitrophenol, 2,4-	10	NA	2,800 U	50 U	NA
Dinitrotoluene, 2,4-	5	NA	560 U	10 U	NA
Dinitrotoluene, 2,6-	5	NA	560 U	10 U	NA
Fluoranthene	50	NA	560 U	10 U	NA
Fluorene	50	NA	**45 J**	10 U	NA
Hexachlorobenzene	0.04	NA	560 U	10 U	NA
Hexachlorobutadiene	0.5	NA	560 U	10 U	NA
Hexachlorocyclopentadiene	5	NA	560 U	10 UJ	NA
Hexachloroethane	5	NA	560 U	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002	NA	560 U	10 U	NA
Isophorone	50	NA	560 U	10 U	NA
Methylnaphthalene, 2-	--	NA	390 J	10 U	NA
Methylphenol, 2-	--	NA	560 U	10 U	NA
Methylphenol, 4-	--	NA	560 U	10 U	NA
Naphthalene	10	NA	**1,800 B**	**0.90 J**	NA
Nitroaniline, 2-	5	NA	2,800 U	50 U	NA
Nitroaniline, 3-	5	NA	2,800 U	50 U	NA
Nitroaniline, 4-	5	NA	1,100 U	20 U	NA
Nitrobenzene	0.4	NA	560 U	10 U	NA
Nitrophenol, 2-	--	NA	560 U	10 U	NA
Nitrophenol, 4-	--	NA	2,800 U	50 U	NA
N-Nitrosodi-n-propylamine	--	NA	560 U	10 U	NA
N-Nitrosodiphenylamine	50	NA	560 U	10 U	NA
Oxybis(1-Chloropropane), 2,2'-	5	NA	560 U	10 U	NA
Pentachlorophenol	1	NA	2,800 U	50 U	NA
Phenanthrene	50	NA	**52 J**	10 U	NA
Phenol	1	NA	560 U	10 U	NA
Pyrene	50	NA	560 U	10 U	NA

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Semivolatile Organic Compounds (continued)					
Tetrachlorobenzene, 1,2,4,5-	10	NA	NA	NA	NA
Tetrachlorophenol, 2,3,4,6-	--	NA	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	NA	560 U	10 U	NA
Trichlorophenol, 2,4,5-	--	NA	2,800 U	50 U	NA
Trichlorophenol, 2,4,6-	--	NA	560 U	10 U	NA
Pesticides					
Aldrin	ND	NA	NA	NA	NA
BHC, alpha-	0.01	NA	NA	NA	NA
BHC, beta-	0.04	NA	NA	NA	NA
BHC, delta-	0.04	NA	NA	NA	NA
BHC, gamma-	0.05	NA	NA	NA	NA
Chlordane, alpha-	0.05	NA	NA	NA	NA
Chlordane, gamma-	0.05	NA	NA	NA	NA
DDD, 4,4'-	0.3	NA	NA	NA	NA
DDE, 4,4'-	0.2	NA	NA	NA	NA
DDT, 4,4'-	0.2	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA
Endosulfan, alpha-	--	NA	NA	NA	NA
Endosulfan, beta-	--	NA	NA	NA	NA
Endosulfan sulfate	--	NA	NA	NA	NA
Endrin	ND	NA	NA	NA	NA
Endrin aldehyde	5	NA	NA	NA	NA
Endrin ketone	5	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA
Heptachlor epoxide	0.03	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA
Toxaphene	0.06	NA	NA	NA	NA
Metals					
Arsenic	25	NA	**8.00 J**	3.90 U	NA
Barium	1,000	NA	**1,660 J**	**120 J**	NA
Cadmium	5	NA	1.10 U	1.10 U	NA
Chromium	50	NA	1.30 U	**2.20 J**	NA
Lead	25	NA	3.00 UJ	3.00 UJ	NA
Mercury	0.7	NA	0.400 U	0.400 U	NA
Selenium	10	NA	5.00 U	5.00 U	NA
Silver	50	NA	1.10 U	1.10 U	NA
Total Cyanide					
Cyanide, Total	200	NA	**13 J**	10 UJ	NA

Table 8
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Investigation: / Location ID: / Sample ID: / Screened Interval (feet bgs): / Screened Interval (feet NAVD88): / Parameter / Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Remedial Investigation			
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Volatile Organic Compounds					
Acetone	50	**32 J**	10 UJB	**10 UJB**	2,000 UJB
Benzene	1	**150 J**	**2.3 J**	**120**	**18,000**
Bromochloromethane	5	NA	NA	NA	NA
Bromodichloromethane	50	25 UJ	5.0 UJ	5.0 U	1,000 U
Bromoform	50	25 UJ	5.0 UJ	5.0 U	1,000 U
Bromomethane	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Butanone, 2-	50	50 UJ	10 UJ	10 U	1,200 J
Carbon disulfide	--	25 UJ	5.0 UJ	5.0 U	1,000 U
Carbon tetrachloride	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Chlorobenzene	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Chloroethane	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Chloroform	7	25 UJ	**0.91 J**	5.0 U	1,000 U
Chloromethane	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Cyclohexane	--	NA	NA	NA	NA
Dibromochloromethane	50	25 UJ	5.0 UJ	5.0 U	1,000 U
Dibromo-3-chloropropane, 1,2-	5	NA	NA	NA	NA
Dibromoethane, 1,2-	5	NA	NA	NA	NA
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA
Dichlorobenzene, 1,3-	3	NA	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA	NA
Dichloroethane, 1,1-	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Dichloroethane, 1,2-	0.6	25 UJ	5.0 UJ	5.0 U	1,000 U
Dichloroethene, 1,1-	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Dichloroethene, cis-1,2-	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Dichloroethene, trans-1,2-	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Dichloropropane, 1,2-	1	25 UJ	5.0 UJ	5.0 U	1,000 U
Dichloropropene, cis-1,3-	0.4	25 UJ	5.0 UJ	5.0 U	1,000 U
Dichloropropene, trans-1,3-	0.4	25 UJ	5.0 UJ	5.0 U	1,000 U
Dioxane, 1,4-	--	NA	NA	NA	NA
Ethylbenzene	5	**230 J**	**1.3 J**	**2.1 J**	**1,600**
Hexanone, 2-	50	50 UJ	10 UJ	10 U	2,000 U
Isopropylbenzene	5	NA	NA	NA	NA
Methyl acetate	--	NA	NA	NA	NA
Methyl-2-pentanone, 4-	--	50 UJ	10 UJ	10 U	2,000 U
Methyl tert-butyl ether	--	NA	NA	NA	NA
Methylcyclohexane	--	NA	NA	NA	NA
Methylene chloride	5	25 UJB	5.0 UJB	5.0 U	1,000 UJB
Styrene	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Tetrachloroethane, 1,1,2,2-	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Tetrachloroethene	5	25 UJ	5.0 UJ	5.0 U	1,000 U

Table 8
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Volatile Organic Compounds (continued)					
Toluene	5	**180 J**	5.0 UJ	5.0 UJ	1,000 U
Trichlorobenzene, 1,2,3-	5	NA	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	NA	NA	NA	NA
Trichloroethane, 1,1,1-	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Trichloroethane, 1,1,2-	1	25 UJ	5.0 UJ	5.0 U	1,000 U
Trichloroethene	5	25 UJ	5.0 UJ	5.0 U	1,000 U
Trichlorofluoromethane	5	NA	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	NA	NA	NA	NA
Vinyl acetate	--	NA	NA	NA	NA
Vinyl chloride	2	25 UJ	5.0 UJ	5.0 U	1,000 U
Xylene, m,p-	5	NA	NA	NA	NA
Xylene, o-	5	NA	NA	NA	NA
Xylenes, Total	--	**240 J**	**1.4 J**	**2.2 J**	1,000 U
Semivolatile Organic Compounds					
Acenaphthene	20	**90 J**	10 U	**3.0 J**	**34 J**
Acenaphthylene	--	**20 J**	10 U	10 U	**41 J**
Acetophenone	--	NA	NA	NA	NA
Anthracene	50	270 U	10 U	10 U	45 U
Atrazine	7.5	NA	NA	NA	NA
Benzaldehyde	--	NA	NA	NA	NA
Benzo(a)anthracene	0.002	270 U	10 U	10 U	45 U
Benzo(a)pyrene	ND	270 U	10 U	10 U	45 U
Benzo(b)fluoranthene	0.002	270 U	10 U	10 U	45 U
Benzo(g,h,i)perylene	--	270 U	10 U	10 U	45 U
Benzo(k)fluoranthene	0.002	270 U	10 U	10 U	45 U
Benzoic acid	--	NA	NA	NA	NA
Benzyl alcohol	--	270 U	10 U	10 U	45 U
Biphenyl, 1,1'-	5	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	5	270 U	10 U	10 U	45 U
Bis(2-chloroethyl)ether	1	270 U	10 U	10 U	45 U
Bis(2-ethylhexyl)phthalate	5	270 U	10 U	10 U	45 U
Bromophenyl phenyl ether, 4-	--	270 U	10 U	10 U	45 U
Butyl benzyl phthalate	50	270 U	10 U	10 U	45 U
Caprolactam	--	NA	NA	NA	NA
Carbazole	--	270 U	10 U	10 U	**5.0 J**
Chloro-3-methylphenol, 4-	--	270 U	10 U	10 U	45 U
Chloroaniline, 4-	5	270 U	10 U	10 U	45 U
Chloronaphthalene, 2-	10	270 U	10 U	10 U	45 U
Chlorophenol, 2-	--	270 U	10 U	10 U	45 U
Chlorophenyl phenyl ether, 4-	--	270 U	10 U	10 U	45 U
Chrysene	0.002	270 U	10 U	10 U	45 U

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Semivolatile Organic Compounds (continued)					
Dibenzo(a,h)anthracene	--	270 U	10 U	10 U	45 U
Dibenzofuran	--	270 U	10 U	10 U	45 U
Dichlorobenzene, 1,2-	3	270 U	10 U	10 U	45 U
Dichlorobenzene, 1,3-	3	270 U	10 U	10 U	45 U
Dichlorobenzene, 1,4-	3	270 U	10 U	10 U	45 U
Dichlorobenzidine, 3,3-	5	540 U	20 U	21 U	90 U
Dichlorophenol, 2,4-	5	270 U	10 U	10 U	45 U
Diethyl phthalate	50	270 U	10 U	10 U	45 U
Dimethylphenol, 2,4-	50	270 U	10 U	10 U	45 U
Dimethyl phthalate	50	270 U	10 U	10 U	45 U
Di-n-butyl phthalate	50	270 U	10 U	10 U	45 U
Di-n-octyl phthalate	50	270 U	10 U	10 U	45 U
Dinitro-2-methylphenol, 4,6-	--	1,400 UJ	50 U	52 U	220 U
Dinitrophenol, 2,4-	10	1,400 UJ	50 UJ	52 U	220 U
Dinitrotoluene, 2,4-	5	270 U	10 U	10 U	45 U
Dinitrotoluene, 2,6-	5	270 U	10 U	10 U	45 UJ
Fluoranthene	50	270 U	10 U	10 U	45 U
Fluorene	50	270 U	10 U	10 U	45 U
Hexachlorobenzene	0.04	270 U	10 U	10 U	45 U
Hexachlorobutadiene	0.5	270 U	10 U	10 U	45 U
Hexachlorocyclopentadiene	5	270 UJ	10 U	10 U	45 U
Hexachloroethane	5	270 U	10 U	10 U	45 U
Indeno(1,2,3-cd)pyrene	0.002	270 U	10 U	10 U	45 U
Isophorone	50	270 U	10 U	10 U	45 U
Methylnaphthalene, 2-	--	**250 J**	10 U	10 U	45 U
Methylphenol, 2-	--	270 U	10 U	10 U	45 U
Methylphenol, 4-	--	270 U	10 U	10 U	45 U
Naphthalene	10	**1,300**	**1.0 J**	**5.0 J**	**160**
Nitroaniline, 2-	5	1,400 U	50 U	52 U	220 U
Nitroaniline, 3-	5	1,400 U	50 U	52 U	220 U
Nitroaniline, 4-	5	540 U	20 U	21 U	90 U
Nitrobenzene	0.4	270 U	10 U	10 U	45 U
Nitrophenol, 2-	--	270 U	10 U	10 U	45 U
Nitrophenol, 4-	--	1,400 U	50 U	52 U	220 U
N-Nitrosodi-n-propylamine	--	270 U	10 U	10 U	45 U
N-Nitrosodiphenylamine	50	270 U	10 U	10 U	45 U
Oxybis(1-Chloropropane), 2,2'-	5	270 U	10 U	10 U	45 U
Pentachlorophenol	1	1,400 U	50 U	52 U	220 U
Phenanthrene	50	**40 J**	**1.0 J**	10 U	**5.0 J**
Phenol	1	270 U	10 U	**4.0 J**	30 J
Pyrene	50	270 U	10 U	10 U	45 U

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Semivolatile Organic Compounds (continued)					
Tetrachlorobenzene, 1,2,4,5-	10	NA	NA	NA	NA
Tetrachlorophenol, 2,3,4,6-	--	NA	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	270 U	10 U	10 U	45 U
Trichlorophenol, 2,4,5-	--	1,400 U	50 U	52 U	220 U
Trichlorophenol, 2,4,6-	--	270 U	10 U	10 U	45 U
Pesticides					
Aldrin	ND	NA	NA	NA	NA
BHC, alpha-	0.01	NA	NA	NA	NA
BHC, beta-	0.04	NA	NA	NA	NA
BHC, delta-	0.04	NA	NA	NA	NA
BHC, gamma-	0.05	NA	NA	NA	NA
Chlordane, alpha-	0.05	NA	NA	NA	NA
Chlordane, gamma-	0.05	NA	NA	NA	NA
DDD, 4,4'-	0.3	NA	NA	NA	NA
DDE, 4,4'-	0.2	NA	NA	NA	NA
DDT, 4,4'-	0.2	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA
Endosulfan, alpha-	--	NA	NA	NA	NA
Endosulfan, beta-	--	NA	NA	NA	NA
Endosulfan sulfate	--	NA	NA	NA	NA
Endrin	ND	NA	NA	NA	NA
Endrin aldehyde	5	NA	NA	NA	NA
Endrin ketone	5	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA
Heptachlor epoxide	0.03	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA
Toxaphene	0.06	NA	NA	NA	NA
Metals					
Arsenic	25	3.90 U	3.90 U	3.90 U	**6.80 J**
Barium	1,000	**309**	**173 J**	**297 J**	**388 J**
Cadmium	5	1.10 U	1.10 U	1.10 U	1.10 U
Chromium	50	1.30 U	1.30 U	1.30 U	**1.90 J**
Lead	25	3.00 UJ	3.00 UJ	3.00 UJ	3.00 UJ
Mercury	0.7	0.400 U	0.400 U	0.400 U	0.400 U
Selenium	10	5.00 U	5.00 U	5.00 U	5.00 U
Silver	50	1.10 U	1.10 U	1.10 U	1.10 U
Total Cyanide					
Cyanide, Total	200	10 U	10 U	**9.6 J**	10 UJ

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Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Screened Interval (feet bgs): / Screened Interval (feet NAVD88): / Parameter / Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Remedial Investigation		
		CGMW-17 CH6 CGMW-17-CH6D 124.35 to 124.6 -101.84 to -102.09 5/4/2005	CGMW-18 CH2 CGMW-18-CH2S 22.1 to 22.35 -7.77 to -8.02 5/5/2005	CGMW-18 CH6 CGMW-18-CH6I 70.26 to 70.51 -55.93 to -56.18 5/5/2005
Volatile Organic Compounds				
Acetone	50	10 UB	**370 J**	10 UJB
Benzene	1	**63**	**16,000 J**	**22 J**
Bromochloromethane	5	NA	NA	NA
Bromodichloromethane	50	5.0 U	500 UJ	5.0 UJ
Bromoform	50	5.0 U	500 UJ	5.0 UJ
Bromomethane	5	5.0 UJ	500 UJ	5.0 UJ
Butanone, 2-	50	10 U	1,000 UJ	10 UJ
Carbon disulfide	--	5.0 U	500 UJ	5.0 UJ
Carbon tetrachloride	5	5.0 U	500 UJ	5.0 UJ
Chlorobenzene	5	5.0 U	500 UJ	5.0 UJ
Chloroethane	5	5.0 U	500 UJ	5.0 UJ
Chloroform	7	**0.77 J**	500 UJ	5.0 UJ
Chloromethane	5	5.0 U	500 UJ	5.0 UJ
Cyclohexane	--	NA	NA	NA
Dibromochloromethane	50	5.0 U	500 UJ	5.0 UJ
Dibromo-3-chloropropane, 1,2-	5	NA	NA	NA
Dibromoethane, 1,2-	5	NA	NA	NA
Dichlorobenzene, 1,2-	3	NA	NA	NA
Dichlorobenzene, 1,3-	3	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA
Dichloroethane, 1,1-	5	5.0 U	500 UJ	5.0 UJ
Dichloroethane, 1,2-	0.6	5.0 U	500 UJ	5.0 UJ
Dichloroethene, 1,1-	5	5.0 U	500 UJ	5.0 UJ
Dichloroethene, cis-1,2-	5	5.0 U	500 UJ	5.0 UJ
Dichloroethene, trans-1,2-	5	5.0 U	500 UJ	5.0 UJ
Dichloropropane, 1,2-	1	5.0 U	500 UJ	5.0 UJ
Dichloropropene, cis-1,3-	0.4	5.0 U	500 UJ	5.0 UJ
Dichloropropene, trans-1,3-	0.4	5.0 U	500 UJ	5.0 UJ
Dioxane, 1,4-	--	NA	NA	NA
Ethylbenzene	5	5.0 U	**3,700 J**	**1.2 J**
Hexanone, 2-	50	10 U	1,000 UJ	10 UJ
Isopropylbenzene	5	NA	NA	NA
Methyl acetate	--	NA	NA	NA
Methyl-2-pentanone, 4-	--	10 U	1,000 UJ	10 UJ
Methyl tert-butyl ether	--	NA	NA	NA
Methylcyclohexane	--	NA	NA	NA
Methylene chloride	5	5.0 UJB	500 UJB	5.0 UJB
Styrene	5	5.0 U	**340 J**	**2.5 J**
Tetrachloroethane, 1,1,2,2-	5	5.0 U	500 UJ	5.0 UJ
Tetrachloroethene	5	5.0 U	500 UJ	5.0 UJ

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
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		CGMW-17 CH6	CGMW-18 CH2	CGMW-18 CH6
		CGMW-17-CH6D	CGMW-18-CH2S	CGMW-18-CH6I
		124.35 to 124.6	22.1 to 22.35	70.26 to 70.51
		-101.84 to -102.09	-7.77 to -8.02	-55.93 to -56.18
		5/4/2005	5/5/2005	5/5/2005
Volatile Organic Compounds (continued)				
Toluene	5	5.0 UJ	**11,000 J**	**22 J**
Trichlorobenzene, 1,2,3-	5	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	NA	NA	NA
Trichloroethane, 1,1,1-	5	5.0 U	500 UJ	5.0 UJ
Trichloroethane, 1,1,2-	1	5.0 U	500 UJ	5.0 UJ
Trichloroethene	5	5.0 U	500 UJ	5.0 UJ
Trichlorofluoromethane	5	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	NA	NA	NA
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	2	5.0 U	500 UJ	5.0 UJ
Xylene, m,p-	5	NA	NA	NA
Xylene, o-	5	NA	NA	NA
Xylenes, Total	--	5 U	**6,000 J**	**5.1 J**
Semivolatile Organic Compounds				
Acenaphthene	20	11 U	1,100 U	11 U
Acenaphthylene	--	11 U	1,100 U	**2.0 J**
Acetophenone	--	NA	NA	NA
Anthracene	50	11 U	1,100 U	11 U
Atrazine	7.5	NA	NA	NA
Benzaldehyde	--	NA	NA	NA
Benzo(a)anthracene	0.002	11 U	1,100 U	11 U
Benzo(a)pyrene	ND	11 U	1,100 U	11 U
Benzo(b)fluoranthene	0.002	11 U	1,100 UJ	11 U
Benzo(g,h,i)perylene	--	11 U	1,100 U	11 U
Benzo(k)fluoranthene	0.002	11 U	1,100 U	11 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	11 U	1,100 U	11 U
Biphenyl, 1,1'-	5	NA	NA	NA
Bis(2-chloroethoxy)methane	5	11 U	1,100 U	11 U
Bis(2-chloroethyl)ether	1	11 U	1,100 U	11 U
Bis(2-ethylhexyl)phthalate	5	11 U	1,100 U	11 U
Bromophenyl phenyl ether, 4-	--	11 U	1,100 U	11 U
Butyl benzyl phthalate	50	11 U	1,100 U	11 U
Caprolactam	--	NA	NA	NA
Carbazole	--	11 U	1,100 U	11 U
Chloro-3-methylphenol, 4-	--	11 U	1,100 U	11 U
Chloroaniline, 4-	5	11 U	1,100 U	11 U
Chloronaphthalene, 2-	10	11 U	1,100 U	11 U
Chlorophenol, 2-	--	11 U	1,100 U	11 U
Chlorophenyl phenyl ether, 4-	--	11 U	1,100 U	11 U
Chrysene	0.002	11 U	1,100 U	11 U

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		CGMW-17 CH6	CGMW-18 CH2	CGMW-18 CH6
		CGMW-17-CH6D	CGMW-18-CH2S	CGMW-18-CH6I
		124.35 to 124.6	22.1 to 22.35	70.26 to 70.51
		-101.84 to -102.09	-7.77 to -8.02	-55.93 to -56.18
		5/4/2005	5/5/2005	5/5/2005
Semivolatile Organic Compounds (continued)				
Dibenzo(a,h)anthracene	--	11 U	1,100 U	11 U
Dibenzofuran	--	11 U	1,100 U	11 U
Dichlorobenzene, 1,2-	3	11 U	1,100 U	11 U
Dichlorobenzene, 1,3-	3	11 U	1,100 U	11 U
Dichlorobenzene, 1,4-	3	11 U	1,100 U	11 U
Dichlorobenzidine, 3,3-	5	21 U	2,300 UJ	22 U
Dichlorophenol, 2,4-	5	11 U	1,100 U	11 U
Diethyl phthalate	50	11 U	1,100 U	11 U
Dimethylphenol, 2,4-	50	11 U	1,100 U	11 U
Dimethyl phthalate	50	11 U	1,100 U	11 U
Di-n-butyl phthalate	50	11 U	1,100 U	11 U
Di-n-octyl phthalate	50	11 U	1,100 U	11 U
Dinitro-2-methylphenol, 4,6-	--	53 U	5,700 U	56 U
Dinitrophenol, 2,4-	10	53 U	5,700 UJ	56 UJ
Dinitrotoluene, 2,4-	5	11 U	1,100 U	11 U
Dinitrotoluene, 2,6-	5	11 U	1,100 U	11 U
Fluoranthene	50	11 U	1,100 U	11 U
Fluorene	50	11 U	1,100 U	11 U
Hexachlorobenzene	0.04	11 U	1,100 U	11 U
Hexachlorobutadiene	0.5	11 U	1,100 U	11 U
Hexachlorocyclopentadiene	5	11 U	1,100 U	11 U
Hexachloroethane	5	11 U	1,100 U	11 U
Indeno(1,2,3-cd)pyrene	0.002	11 U	1,100 U	11 U
Isophorone	50	11 U	1,100 U	11 U
Methylnaphthalene, 2-	--	11 U	**390 J**	**3.0 J**
Methylphenol, 2-	--	11 U	1,100 U	11 U
Methylphenol, 4-	--	11 U	1,100 U	11 U
Naphthalene	10	11 U	**8,700**	**16**
Nitroaniline, 2-	5	53 U	5,700 U	56 U
Nitroaniline, 3-	5	53 U	5,700 U	56 U
Nitroaniline, 4-	5	21 U	2,300 U	22 U
Nitrobenzene	0.4	11 U	1,100 U	11 U
Nitrophenol, 2-	--	11 U	1,100 U	11 U
Nitrophenol, 4-	--	53 U	5,700 U	56 U
N-Nitrosodi-n-propylamine	--	11 U	1,100 U	11 U
N-Nitrosodiphenylamine	50	11 U	1,100 U	11 U
Oxybis(1-Chloropropane), 2,2'-	5	11 U	1,100 U	11 U
Pentachlorophenol	1	53 U	5,700 U	56 U
Phenanthrene	50	11 U	1,100 U	11 U
Phenol	1	**1.0 J**	1,100 U	11 U
Pyrene	50	11 U	1,100 U	11 U

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		CGMW-17 CH6	CGMW-18 CH2	CGMW-18 CH6
		CGMW-17-CH6D	CGMW-18-CH2S	CGMW-18-CH6I
		124.35 to 124.6	22.1 to 22.35	70.26 to 70.51
		-101.84 to -102.09	-7.77 to -8.02	-55.93 to -56.18
		5/4/2005	5/5/2005	5/5/2005
Semivolatile Organic Compounds (continued)				
Tetrachlorobenzene, 1,2,4,5-	10	NA	NA	NA
Tetrachlorophenol, 2,3,4,6-	--	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	11 U	1,100 U	11 U
Trichlorophenol, 2,4,5-	--	53 U	5,700 U	56 U
Trichlorophenol, 2,4,6-	--	11 U	1,100 U	11 U
Pesticides				
Aldrin	ND	NA	NA	NA
BHC, alpha-	0.01	NA	NA	NA
BHC, beta-	0.04	NA	NA	NA
BHC, delta-	0.04	NA	NA	NA
BHC, gamma-	0.05	NA	NA	NA
Chlordane, alpha-	0.05	NA	NA	NA
Chlordane, gamma-	0.05	NA	NA	NA
DDD, 4,4'-	0.3	NA	NA	NA
DDE, 4,4'-	0.2	NA	NA	NA
DDT, 4,4'-	0.2	NA	NA	NA
Dieldrin	0.004	NA	NA	NA
Endosulfan, alpha-	--	NA	NA	NA
Endosulfan, beta-	--	NA	NA	NA
Endosulfan sulfate	--	NA	NA	NA
Endrin	ND	NA	NA	NA
Endrin aldehyde	5	NA	NA	NA
Endrin ketone	5	NA	NA	NA
Heptachlor	0.04	NA	NA	NA
Heptachlor epoxide	0.03	NA	NA	NA
Methoxychlor	35	NA	NA	NA
Toxaphene	0.06	NA	NA	NA
Metals				
Arsenic	25	**29.3 B**	**8.20 J**	3.90 U
Barium	1,000	**671 J**	**237**	**183 J**
Cadmium	5	**4.50 J**	1.10 U	1.10 U
Chromium	50	**32.4**	**1.60 J**	1.30 U
Lead	25	**99.1 J**	**3.20 J**	3.00 UJ
Mercury	0.7	**0.130 J**	**0.400 U**	0.400 U
Selenium	10	5.00 U	5.00 U	5.00 U
Silver	50	1.10 U	1.10 U	1.10 U
Total Cyanide				
Cyanide, Total	200	10 UJ	**14**	10 U

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		CGMW-18 CH6 CGMW-XX_05_05_05 70.26 to 70.51 -55.93 to -56.18 5/5/2005	CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/4/2005	CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/5/2005
Volatile Organic Compounds				
Acetone	50	10 UJB	10 UB	NA
Benzene	1	**12 J**	5.0 UJ	NA
Bromochloromethane	5	NA	NA	NA
Bromodichloromethane	50	5.0 UJ	5.0 UJ	NA
Bromoform	50	5.0 UJ	5.0 UJ	NA
Bromomethane	5	5.0 UJ	5.0 UJ	NA
Butanone, 2-	50	10 UJ	10 UJ	NA
Carbon disulfide	--	5.0 UJ	5.0 UJ	NA
Carbon tetrachloride	5	5.0 UJ	5.0 UJ	NA
Chlorobenzene	5	5.0 UJ	5.0 UJ	NA
Chloroethane	5	5.0 UJ	5.0 UJ	NA
Chloroform	7	5.0 UJ	5.0 UJ	NA
Chloromethane	5	5.0 UJ	5.0 UJ	NA
Cyclohexane	--	NA	NA	NA
Dibromochloromethane	50	5.0 UJ	5.0 UJ	NA
Dibromo-3-chloropropane, 1,2-	5	NA	NA	NA
Dibromoethane, 1,2-	5	NA	NA	NA
Dichlorobenzene, 1,2-	3	NA	NA	NA
Dichlorobenzene, 1,3-	3	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA
Dichloroethane, 1,1-	5	5.0 UJ	5.0 UJ	NA
Dichloroethane, 1,2-	0.6	5.0 UJ	5.0 UJ	NA
Dichloroethene, 1,1-	5	5.0 UJ	5.0 UJ	NA
Dichloroethene, cis-1,2-	5	5.0 UJ	5.0 UJ	NA
Dichloroethene, trans-1,2-	5	5.0 UJ	5.0 UJ	NA
Dichloropropane, 1,2-	1	5.0 UJ	5.0 UJ	NA
Dichloropropene, cis-1,3-	0.4	5.0 UJ	5.0 UJ	NA
Dichloropropene, trans-1,3-	0.4	5.0 UJ	5.0 UJ	NA
Dioxane, 1,4-	--	NA	NA	NA
Ethylbenzene	5	5.0 UJ	5.0 UJ	NA
Hexanone, 2-	50	10 UJ	10 UJ	NA
Isopropylbenzene	5	NA	NA	NA
Methyl acetate	--	NA	NA	NA
Methyl-2-pentanone, 4-	--	10 UJ	10 UJ	NA
Methyl tert-butyl ether	--	NA	NA	NA
Methylcyclohexane	--	NA	NA	NA
Methylene chloride	5	5.0 UJ	5.0 UJB	NA
Styrene	5	**1.1 J**	5.0 UJ	NA
Tetrachloroethane, 1,1,2,2-	5	5.0 UJ	5.0 UJ	NA
Tetrachloroethene	5	5.0 UJ	5.0 UJ	NA

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		CGMW-18 CH6 CGMW-XX_05_05_05 70.26 to 70.51 -55.93 to -56.18 5/5/2005	CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/4/2005	CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/5/2005
Volatile Organic Compounds (continued)				
Toluene	5	**12 J**	5.0 UJ	NA
Trichlorobenzene, 1,2,3-	5	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	NA	NA	NA
Trichloroethane, 1,1,1-	5	5.0 UJ	5.0 UJ	NA
Trichloroethane, 1,1,2-	1	5.0 UJ	5.0 UJ	NA
Trichloroethene	5	5.0 UJ	5.0 UJ	NA
Trichlorofluoromethane	5	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	NA	NA	NA
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	2	5.0 UJ	5.0 UJ	NA
Xylene, m,p-	5	NA	NA	NA
Xylene, o-	5	NA	NA	NA
Xylenes, Total	--	**4.1 J**	5 UJ	NA
Semivolatile Organic Compounds				
Acenaphthene	20	11 U	11 U	NA
Acenaphthylene	--	**2.0 J**	11 U	NA
Acetophenone	--	NA	NA	NA
Anthracene	50	11 U	11 U	NA
Atrazine	7.5	NA	NA	NA
Benzaldehyde	--	NA	NA	NA
Benzo(a)anthracene	0.002	11 U	11 U	NA
Benzo(a)pyrene	ND	11 U	11 U	NA
Benzo(b)fluoranthene	0.002	11 U	11 U	NA
Benzo(g,h,i)perylene	--	11 U	11 U	NA
Benzo(k)fluoranthene	0.002	11 U	11 U	NA
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	11 U	11 U	NA
Biphenyl, 1,1'-	5	NA	NA	NA
Bis(2-chloroethoxy)methane	5	11 U	11 U	NA
Bis(2-chloroethyl)ether	1	11 U	11 U	NA
Bis(2-ethylhexyl)phthalate	5	11 U	11 U	NA
Bromophenyl phenyl ether, 4-	--	11 U	11 U	NA
Butyl benzyl phthalate	50	11 U	11 U	NA
Caprolactam	--	NA	NA	NA
Carbazole	--	11 U	11 U	NA
Chloro-3-methylphenol, 4-	--	11 U	11 U	NA
Chloroaniline, 4-	5	11 U	11 U	NA
Chloronaphthalene, 2-	10	11 U	11 U	NA
Chlorophenol, 2-	--	11 U	11 U	NA
Chlorophenyl phenyl ether, 4-	--	11 U	11 U	NA
Chrysene	0.002	11 U	11 U	NA

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		CGMW-18 CH6 / CGMW-XX_05_05_05 / 70.26 to 70.51 / -55.93 to -56.18 / 5/5/2005	CGMW-19 CH1 / CGMW-19-CH1S / 10.6 to 10.85 / -2.1 to -2.35 / 5/4/2005	CGMW-19 CH1 / CGMW-19-CH1S / 10.6 to 10.85 / -2.1 to -2.35 / 5/5/2005
Semivolatile Organic Compounds (continued)				
Dibenzo(a,h)anthracene	--	11 U	11 U	NA
Dibenzofuran	--	11 U	11 U	NA
Dichlorobenzene, 1,2-	3	11 U	11 U	NA
Dichlorobenzene, 1,3-	3	11 U	11 U	NA
Dichlorobenzene, 1,4-	3	11 U	11 U	NA
Dichlorobenzidine, 3,3-	5	22 U	22 U	NA
Dichlorophenol, 2,4-	5	11 U	11 U	NA
Diethyl phthalate	50	11 U	11 U	NA
Dimethylphenol, 2,4-	50	11 U	11 U	NA
Dimethyl phthalate	50	11 U	11 U	NA
Di-n-butyl phthalate	50	11 U	11 U	NA
Di-n-octyl phthalate	50	11 U	11 U	NA
Dinitro-2-methylphenol, 4,6-	--	56 U	54 U	NA
Dinitrophenol, 2,4-	10	56 UJ	54 UJ	NA
Dinitrotoluene, 2,4-	5	11 U	11 U	NA
Dinitrotoluene, 2,6-	5	11 U	11 U	NA
Fluoranthene	50	11 U	11 U	NA
Fluorene	50	11 U	11 U	NA
Hexachlorobenzene	0.04	11 U	11 U	NA
Hexachlorobutadiene	0.5	11 U	11 U	NA
Hexachlorocyclopentadiene	5	11 U	11 U	NA
Hexachloroethane	5	11 U	11 U	NA
Indeno(1,2,3-cd)pyrene	0.002	11 U	11 U	NA
Isophorone	50	11 U	**2.0 J**	NA
Methylnaphthalene, 2-	--	**3.0 J**	11 U	NA
Methylphenol, 2-	--	11 U	11 U	NA
Methylphenol, 4-	--	11 U	11 U	NA
Naphthalene	10	**16**	11 U	NA
Nitroaniline, 2-	5	56 U	54 U	NA
Nitroaniline, 3-	5	56 U	54 U	NA
Nitroaniline, 4-	5	22 U	22 U	NA
Nitrobenzene	0.4	11 U	11 U	NA
Nitrophenol, 2-	--	11 U	11 U	NA
Nitrophenol, 4-	--	56 U	54 U	NA
N-Nitrosodi-n-propylamine	--	11 U	11 U	NA
N-Nitrosodiphenylamine	50	11 U	11 U	NA
Oxybis(1-Chloropropane), 2,2'-	5	11 U	11 U	NA
Pentachlorophenol	1	56 U	54 U	NA
Phenanthrene	50	11 U	11 U	NA
Phenol	1	11 U	11 U	NA
Pyrene	50	11 U	11 U	NA

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		CGMW-18 CH6 CGMW-XX_05_05_05 70.26 to 70.51 -55.93 to -56.18 5/5/2005	CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/4/2005	CGMW-19 CH1 CGMW-19-CH1S 10.6 to 10.85 -2.1 to -2.35 5/5/2005
Semivolatile Organic Compounds (continued)				
Tetrachlorobenzene, 1,2,4,5-	10	NA	NA	NA
Tetrachlorophenol, 2,3,4,6-	--	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	11 U	11 U	NA
Trichlorophenol, 2,4,5-	--	56 U	54 U	NA
Trichlorophenol, 2,4,6-	--	11 U	11 U	NA
Pesticides				
Aldrin	ND	NA	NA	NA
BHC, alpha-	0.01	NA	NA	NA
BHC, beta-	0.04	NA	NA	NA
BHC, delta-	0.04	NA	NA	NA
BHC, gamma-	0.05	NA	NA	NA
Chlordane, alpha-	0.05	NA	NA	NA
Chlordane, gamma-	0.05	NA	NA	NA
DDD, 4,4'-	0.3	NA	NA	NA
DDE, 4,4'-	0.2	NA	NA	NA
DDT, 4,4'-	0.2	NA	NA	NA
Dieldrin	0.004	NA	NA	NA
Endosulfan, alpha-	--	NA	NA	NA
Endosulfan, beta-	--	NA	NA	NA
Endosulfan sulfate	--	NA	NA	NA
Endrin	ND	NA	NA	NA
Endrin aldehyde	5	NA	NA	NA
Endrin ketone	5	NA	NA	NA
Heptachlor	0.04	NA	NA	NA
Heptachlor epoxide	0.03	NA	NA	NA
Methoxychlor	35	NA	NA	NA
Toxaphene	0.06	NA	NA	NA
Metals				
Arsenic	25	3.90 U	NA	3.90 U
Barium	1,000	**182 J**	NA	**234**
Cadmium	5	1.10 U	NA	1.10 U
Chromium	50	1.30 U	NA	1.30 U
Lead	25	3.00 UJ	NA	3.00 UJ
Mercury	0.7	0.400 U	NA	0.400 U
Selenium	10	5.00 U	NA	5.00 U
Silver	50	1.10 U	NA	1.10 U
Total Cyanide				
Cyanide, Total	200	10 U	NA	10 UB

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Screened Interval (feet bgs): / Screened Interval (feet NAVD88): / Parameter / Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Remedial Investigation			
		CGMW-19 CH4 CGMW-19-CH4I 74.6 to 74.85 -66.1 to -66.35 5/4/2005	CGMW-19 CH6 CGMW-19-CH6D 115.6 to 115.85 -107.1 to -107.35 5/4/2005	CGMW-22 CH1 CGMW-22-CH1S 11.73 to 11.98 -5.68 to -5.93 5/5/2005	CGMW-22 CH5 CGMW-22-CH5I 63.9 to 64.15 -57.85 to -58.1 5/5/2005
Volatile Organic Compounds					
Acetone	50	10 UJB	10 UJB	**7.0 J**	**33 J**
Benzene	1	5.0 UJ	5.0 UJ	**3.8 J**	**250 J**
Bromochloromethane	5	NA	NA	NA	NA
Bromodichloromethane	50	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Bromoform	50	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Bromomethane	5	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Butanone, 2-	50	10 UJ	10 UJ	10 UJ	50 UJ
Carbon disulfide	--	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Carbon tetrachloride	5	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Chlorobenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Chloroethane	5	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Chloroform	7	**1.3 J**	5.0 UJ	5.0 UJ	25 UJ
Chloromethane	5	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Cyclohexane	--	NA	NA	NA	NA
Dibromochloromethane	50	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Dibromo-3-chloropropane, 1,2-	5	NA	NA	NA	NA
Dibromoethane, 1,2-	5	NA	NA	NA	NA
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA
Dichlorobenzene, 1,3-	3	NA	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA	NA
Dichloroethane, 1,1-	5	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Dichloroethane, 1,2-	0.6	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Dichloroethene, 1,1-	5	**0.75 J**	5.0 UJ	5.0 UJ	25 UJ
Dichloroethene, cis-1,2-	5	**20**	5.0 UJ	5.0 UJ	25 UJ
Dichloroethene, trans-1,2-	5	**1.0 J**	5.0 UJ	5.0 UJ	25 UJ
Dichloropropane, 1,2-	1	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Dichloropropene, cis-1,3-	0.4	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Dichloropropene, trans-1,3-	0.4	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Dioxane, 1,4-	--	NA	NA	NA	NA
Ethylbenzene	5	5.0 UJ	5.0 UJ	**20 J**	**210 J**
Hexanone, 2-	50	10 UJ	10 UJ	10 UJ	50 UJ
Isopropylbenzene	5	NA	NA	NA	NA
Methyl acetate	--	NA	NA	NA	NA
Methyl-2-pentanone, 4-	--	10 UJ	10 UJ	10 UJ	50 UJ
Methyl tert-butyl ether	--	NA	NA	NA	NA
Methylcyclohexane	--	NA	NA	NA	NA
Methylene chloride	5	5.0 UJB	5.0 UJB	5.0 UJB	25 UJB
Styrene	5	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Tetrachloroethane, 1,1,2,2-	5	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Tetrachloroethene	5	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ

Table 8
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National Grid
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Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Screened Interval (feet bgs): / Screened Interval (feet NAVD88): / Parameter / Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Remedial Investigation			
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Volatile Organic Compounds (continued)					
Toluene	5	5.0 UJ	5.0 UJ	5.0 UJ	**27 J**
Trichlorobenzene, 1,2,3-	5	NA	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	NA	NA	NA	NA
Trichloroethane, 1,1,1-	5	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Trichloroethane, 1,1,2-	1	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Trichloroethene	5	**100 J**	5.0 UJ	5.0 UJ	25 UJ
Trichlorofluoromethane	5	NA	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	NA	NA	NA	NA
Vinyl acetate	--	NA	NA	NA	NA
Vinyl chloride	2	5.0 UJ	5.0 UJ	5.0 UJ	25 UJ
Xylene, m,p-	5	NA	NA	NA	NA
Xylene, o-	5	NA	NA	NA	NA
Xylenes, Total	--	5 UJ	5 UJ	**27 J**	**120 J**
Semivolatile Organic Compounds					
Acenaphthene	20	11 U	12 U	**13 J**	**81 J**
Acenaphthylene	--	11 U	12 U	**3.0 J**	**38 J**
Acetophenone	--	NA	NA	NA	NA
Anthracene	50	11 U	12 U	**2.0 J**	280 U
Atrazine	7.5	NA	NA	NA	NA
Benzaldehyde	--	NA	NA	NA	NA
Benzo(a)anthracene	0.002	11 U	12 U	21 U	280 U
Benzo(a)pyrene	ND	11 U	12 U	21 U	280 U
Benzo(b)fluoranthene	0.002	11 U	12 U	21 U	280 U
Benzo(g,h,i)perylene	--	11 U	12 U	21 U	280 U
Benzo(k)fluoranthene	0.002	11 U	12 U	21 U	280 U
Benzoic acid	--	NA	NA	NA	NA
Benzyl alcohol	--	11 U	12 U	21 U	280 U
Biphenyl, 1,1'-	5	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	5	11 U	12 U	21 U	280 U
Bis(2-chloroethyl)ether	1	11 U	12 U	21 U	280 U
Bis(2-ethylhexyl)phthalate	5	11 U	12 U	21 U	280 U
Bromophenyl phenyl ether, 4-	--	11 U	12 U	21 U	280 U
Butyl benzyl phthalate	50	11 U	12 U	21 U	280 U
Caprolactam	--	NA	NA	NA	NA
Carbazole	--	11 U	12 U	21 U	280 U
Chloro-3-methylphenol, 4-	--	11 U	12 U	21 U	280 U
Chloroaniline, 4-	5	11 U	12 U	21 U	280 U
Chloronaphthalene, 2-	10	11 U	12 U	21 U	280 U
Chlorophenol, 2-	--	11 U	12 U	21 U	280 U
Chlorophenyl phenyl ether, 4-	--	11 U	12 U	21 U	280 U
Chrysene	0.002	11 U	12 U	21 U	280 U

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Semivolatile Organic Compounds (continued)					
Dibenzo(a,h)anthracene	--	11 U	12 U	21 U	280 U
Dibenzofuran	--	11 U	12 U	21 U	280 U
Dichlorobenzene, 1,2-	3	11 U	12 U	21 U	280 U
Dichlorobenzene, 1,3-	3	11 U	12 U	21 U	280 U
Dichlorobenzene, 1,4-	3	11 U	12 U	21 U	280 U
Dichlorobenzidine, 3,3-	5	22 U	24 U	43 U	570 U
Dichlorophenol, 2,4-	5	11 U	12 U	21 U	280 U
Diethyl phthalate	50	11 U	12 U	21 U	280 U
Dimethylphenol, 2,4-	50	11 U	12 U	21 U	280 U
Dimethyl phthalate	50	11 U	12 U	21 U	280 U
Di-n-butyl phthalate	50	11 U	12 U	21 U	280 U
Di-n-octyl phthalate	50	11 U	12 U	21 U	280 U
Dinitro-2-methylphenol, 4,6-	--	56 U	60 U	110 UJ	1,400 UJ
Dinitrophenol, 2,4-	10	56 UJ	60 UJ	110 UJ	1,400 UJ
Dinitrotoluene, 2,4-	5	11 U	12 U	21 U	280 U
Dinitrotoluene, 2,6-	5	11 U	12 U	21 U	280 U
Fluoranthene	50	11 U	12 U	21 U	280 U
Fluorene	50	11 U	12 U	**7.0 J**	**39 J**
Hexachlorobenzene	0.04	11 U	12 U	21 U	280 U
Hexachlorobutadiene	0.5	11 U	12 U	21 U	280 U
Hexachlorocyclopentadiene	5	11 U	12 U	21 UJ	280 UJ
Hexachloroethane	5	11 U	12 U	21 U	280 U
Indeno(1,2,3-cd)pyrene	0.002	11 U	12 U	21 U	280 U
Isophorone	50	11 U	12 U	21 U	280 U
Methylnaphthalene, 2-	--	11 U	12 U	**31**	**290**
Methylphenol, 2-	--	11 U	12 U	21 U	280 U
Methylphenol, 4-	--	11 U	12 U	21 U	280 U
Naphthalene	10	11 U	12 U	**88**	**1,200**
Nitroaniline, 2-	5	56 U	60 U	110 U	1,400 U
Nitroaniline, 3-	5	56 U	60 U	110 U	1,400 U
Nitroaniline, 4-	5	22 U	24 U	43 U	570 U
Nitrobenzene	0.4	11 U	12 U	21 U	280 U
Nitrophenol, 2-	--	11 U	12 U	21 U	280 U
Nitrophenol, 4-	--	56 U	60 U	110 U	1,400 U
N-Nitrosodi-n-propylamine	--	11 U	12 U	21 U	280 U
N-Nitrosodiphenylamine	50	11 U	12 U	21 U	280 U
Oxybis(1-Chloropropane), 2,2'-	5	11 U	12 U	21 U	280 U
Pentachlorophenol	1	56 U	60 U	110 U	1,400 U
Phenanthrene	50	11 U	12 U	**10 J**	**39 J**
Phenol	1	11 U	12 U	21 U	280 U
Pyrene	50	11 U	12 U	21 U	280 U

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Semivolatile Organic Compounds (continued)					
Tetrachlorobenzene, 1,2,4,5-	10	NA	NA	NA	NA
Tetrachlorophenol, 2,3,4,6-	--	NA	NA	NA	NA
Trichlorobenzene, 1,2,4-	5	11 U	12 U	21 U	280 U
Trichlorophenol, 2,4,5-	--	56 U	60 U	110 U	1,400 U
Trichlorophenol, 2,4,6-	--	11 U	12 U	21 U	280 U
Pesticides					
Aldrin	ND	NA	NA	NA	NA
BHC, alpha-	0.01	NA	NA	NA	NA
BHC, beta-	0.04	NA	NA	NA	NA
BHC, delta-	0.04	NA	NA	NA	NA
BHC, gamma-	0.05	NA	NA	NA	NA
Chlordane, alpha-	0.05	NA	NA	NA	NA
Chlordane, gamma-	0.05	NA	NA	NA	NA
DDD, 4,4'-	0.3	NA	NA	NA	NA
DDE, 4,4'-	0.2	NA	NA	NA	NA
DDT, 4,4'-	0.2	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA
Endosulfan, alpha-	--	NA	NA	NA	NA
Endosulfan, beta-	--	NA	NA	NA	NA
Endosulfan sulfate	--	NA	NA	NA	NA
Endrin	ND	NA	NA	NA	NA
Endrin aldehyde	5	NA	NA	NA	NA
Endrin ketone	5	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA
Heptachlor epoxide	0.03	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA
Toxaphene	0.06	NA	NA	NA	NA
Metals					
Arsenic	25	**7.50 J**	3.90 U	**12.9 J**	**7.70 J**
Barium	1,000	**114 J**	**110 J**	**55.2 J**	**704**
Cadmium	5	1.10 U	1.10 U	**1.30 J**	**2.00 J**
Chromium	50	**10.9**	1.30 U	1.30 U	1.30 U
Lead	25	**12.6 J**	3.00 UJ	3.00 UJ	3.00 U
Mercury	0.7	0.400 U	0.400 U	0.400 U	0.400 U
Selenium	10	5.00 U	5.00 U	5.00 U	5.00 U
Silver	50	1.10 U	1.10 U	1.10 U	1.10 U
Total Cyanide					
Cyanide, Total	200	10 U	10 U	10 U	10 UB

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Investigation: / Location ID: / Sample ID: / Screened Interval (feet bgs): / Screened Interval (feet NAVD88): / Parameter / Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Supplemental Remedial Investigation		
		CGMW-23	CGMW-23	CGMW-27
		CGMW-23	CGMW-XX_06_10_15	CGMW-27
		17.00 to 27.00	17.00 to 27.00	3.00 to 13.00
		7.44 to -2.56	7.44 to -2.56	9.55 to -0.45
		6/10/2015	6/10/2015	6/11/2015
Volatile Organic Compounds				
Acetone	50	5.0 U	5.0 U	**8.2**
Benzene	1	**0.15 J**	**0.28 J**	**0.22 J**
Bromochloromethane	5	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 UJ	1.0 UJ	1.0 UJ
Butanone, 2-	50	5.0 U	5.0 U	**2.4 J**
Carbon disulfide	--	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U
Chloromethane	5	1.0 UJ	1.0 UJ	1.0 UJ
Cyclohexane	--	1.0 UJ	1.0 UJ	1.0 UJ
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U
Dibromo-3-chloropropane, 1,2-	5	1.0 U	1.0 U	1.0 U
Dibromoethane, 1,2-	5	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,2-	3	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,3-	3	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,4-	3	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,1-	5	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,2-	0.6	1.0 U	1.0 U	1.0 U
Dichloroethene, 1,1-	5	1.0 U	1.0 U	1.0 U
Dichloroethene, cis-1,2-	5	1.0 U	1.0 U	1.0 U
Dichloroethene, trans-1,2-	5	1.0 U	1.0 U	1.0 U
Dichloropropane, 1,2-	1	1.0 U	1.0 U	1.0 U
Dichloropropene, cis-1,3-	0.4	1.0 U	1.0 U	1.0 U
Dichloropropene, trans-1,3-	0.4	1.0 U	1.0 U	1.0 U
Dioxane, 1,4-	--	50 U	50 U	50 U
Ethylbenzene	5	**0.67 J**	**1.3**	1.0 U
Hexanone, 2-	50	5.0 U	5.0 U	5.0 U
Isopropylbenzene	5	1.0 U	**0.58 J**	1.0 U
Methyl acetate	--	5.0 U	5.0 U	5.0 U
Methyl-2-pentanone, 4-	--	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	--	1.0 U	1.0 U	1.0 U
Methylcyclohexane	--	1.0 UJ	1.0 UJ	1.0 UJ
Methylene chloride	5	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U
Tetrachloroethane, 1,1,2,2-	5	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U

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		CGMW-23	CGMW-23	CGMW-27
		CGMW-23	CGMW-XX_06_10_15	CGMW-27
		17.00 to 27.00	17.00 to 27.00	3.00 to 13.00
		7.44 to -2.56	7.44 to -2.56	9.55 to -0.45
		6/10/2015	6/10/2015	6/11/2015
Volatile Organic Compounds (continued)				
Toluene	5	1.0 U	**0.31 J**	1.0 U
Trichlorobenzene, 1,2,3-	5	1.0 U	1.0 U	1.0 U
Trichlorobenzene, 1,2,4-	5	1.0 U	1.0 U	1.0 U
Trichloroethane, 1,1,1-	5	1.0 U	1.0 U	1.0 U
Trichloroethane, 1,1,2-	1	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	1.0 UJ	1.0 UJ	1.0 UJ
Vinyl acetate	--	NA	NA	NA
Vinyl chloride	2	1.0 U	1.0 U	1.0 U
Xylene, m,p-	5	**1.4 J**	**3.2 J**	1.0 U
Xylene, o-	5	**4.9 J**	**11 J**	1.0 U
Xylenes, Total	--	NA	NA	NA
Semivolatile Organic Compounds				
Acenaphthene	20	100 U	210 U	11 U
Acenaphthylene	--	100 U	210 U	11 U
Acetophenone	--	100 UJ	**140 J**	11 U
Anthracene	50	100 U	210 U	11 U
Atrazine	7.5	20 U	42 U	2.2 U
Benzaldehyde	--	100 U	210 U	11 U
Benzo(a)anthracene	0.002	10 U	21 U	1.1 U
Benzo(a)pyrene	ND	10 U	21 U	1.1 U
Benzo(b)fluoranthene	0.002	10 U	21 U	1.1 U
Benzo(g,h,i)perylene	--	100 U	210 U	11 U
Benzo(k)fluoranthene	0.002	10 U	21 U	1.1 U
Benzoic acid	--	NA	NA	NA
Benzyl alcohol	--	NA	NA	NA
Biphenyl, 1,1'-	5	100 UJ	210 UJ	11 U
Bis(2-chloroethoxy)methane	5	100 U	210 U	11 U
Bis(2-chloroethyl)ether	1	10 U	21 U	1.1 U
Bis(2-ethylhexyl)phthalate	5	20 U	42 U	2.2 U
Bromophenyl phenyl ether, 4-	--	100 U	210 U	11 U
Butyl benzyl phthalate	50	100 U	210 U	11 U
Caprolactam	--	100 U	210 U	11 U
Carbazole	--	100 U	210 U	11 U
Chloro-3-methylphenol, 4-	--	100 U	210 U	11 U
Chloroaniline, 4-	5	100 U	210 U	11 U
Chloronaphthalene, 2-	10	100 U	210 U	11 U
Chlorophenol, 2-	--	100 U	210 U	11 U
Chlorophenyl phenyl ether, 4-	--	100 U	210 U	11 U
Chrysene	0.002	20 U	42 U	2.2 U

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National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Screened Interval (feet bgs): / Screened Interval (feet NAVD88): / Parameter / Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Supplemental Remedial Investigation		
		CGMW-23 / CGMW-23 / 17.00 to 27.00 / 7.44 to -2.56 / 6/10/2015	CGMW-23 / CGMW-XX_06_10_15 / 17.00 to 27.00 / 7.44 to -2.56 / 6/10/2015	CGMW-27 / CGMW-27 / 3.00 to 13.00 / 9.55 to -0.45 / 6/11/2015
Semivolatile Organic Compounds (continued)				
Dibenzo(a,h)anthracene	--	10 U	21 U	1.1 UJ
Dibenzofuran	--	100 U	210 U	11 U
Dichlorobenzene, 1,2-	3	NA	NA	NA
Dichlorobenzene, 1,3-	3	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA
Dichlorobenzidine, 3,3-	5	100 U	210 U	11 U
Dichlorophenol, 2,4-	5	100 U	210 U	11 U
Diethyl phthalate	50	100 U	210 U	11 U
Dimethylphenol, 2,4-	50	100 U	210 U	11 U
Dimethyl phthalate	50	100 U	210 U	11 U
Di-n-butyl phthalate	50	100 U	210 U	11 UJ
Di-n-octyl phthalate	50	100 U	210 U	11 U
Dinitro-2-methylphenol, 4,6-	--	200 U	420 U	22 U
Dinitrophenol, 2,4-	10	200 U	420 U	22 UJ
Dinitrotoluene, 2,4-	5	20 U	42 U	2.2 U
Dinitrotoluene, 2,6-	5	20 U	42 U	2.2 U
Fluoranthene	50	100 U	210 U	11 UJ
Fluorene	50	100 U	210 U	11 U
Hexachlorobenzene	0.04	10 U	21 U	1.1 U
Hexachlorobutadiene	0.5	10 U	21 U	1.1 U
Hexachlorocyclopentadiene	5	100 U	210 U	11 U
Hexachloroethane	5	10 U	21 U	1.1 U
Indeno(1,2,3-cd)pyrene	0.002	10 U	21 U	1.1 U
Isophorone	50	100 U	210 U	11 U
Methylnaphthalene, 2-	--	100 U	**76 J**	11 U
Methylphenol, 2-	--	100 U	210 U	11 U
Methylphenol, 4-	--	100 U	210 U	11 U
Naphthalene	10	100 U	210 U	11 U
Nitroaniline, 2-	5	100 U	210 U	11 U
Nitroaniline, 3-	5	100 U	210 U	11 U
Nitroaniline, 4-	5	100 U	210 U	11 U
Nitrobenzene	0.4	10 U	21 U	1.1 U
Nitrophenol, 2-	--	100 U	210 U	11 U
Nitrophenol, 4-	--	200 U	420 U	22 U
N-Nitrosodi-n-propylamine	--	10 U	21 U	1.1 U
N-Nitrosodiphenylamine	50	100 U	210 U	11 U
Oxybis(1-Chloropropane), 2,2'-	5	100 U	210 U	11 U
Pentachlorophenol	1	200 U	420 U	22 U
Phenanthrene	50	100 U	210 U	11 U
Phenol	1	100 U	210 U	11 U
Pyrene	50	100 U	210 U	11 UJ

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation: / Location ID: / Sample ID: / Screened Interval (feet bgs): / Screened Interval (feet NAVD88): / Parameter / Sample Date:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Supplemental Remedial Investigation		
		CGMW-23	CGMW-23	CGMW-27
		CGMW-23	CGMW-XX_06_10_15	CGMW-27
		17.00 to 27.00	17.00 to 27.00	3.00 to 13.00
		7.44 to -2.56	7.44 to -2.56	9.55 to -0.45
		6/10/2015	6/10/2015	6/11/2015
Semivolatile Organic Compounds (continued)				
Tetrachlorobenzene, 1,2,4,5-	10	100 U	210 U	11 U
Tetrachlorophenol, 2,3,4,6-	--	100 U	210 U	11 U
Trichlorobenzene, 1,2,4-	5	NA	NA	NA
Trichlorophenol, 2,4,5-	--	100 U	210 U	11 U
Trichlorophenol, 2,4,6-	--	100 U	210 U	11 U
Pesticides				
Aldrin	ND	NA	NA	NA
BHC, alpha-	0.01	NA	NA	NA
BHC, beta-	0.04	NA	NA	NA
BHC, delta-	0.04	NA	NA	NA
BHC, gamma-	0.05	NA	NA	NA
Chlordane, alpha-	0.05	NA	NA	NA
Chlordane, gamma-	0.05	NA	NA	NA
DDD, 4,4'-	0.3	NA	NA	NA
DDE, 4,4'-	0.2	NA	NA	NA
DDT, 4,4'-	0.2	NA	NA	NA
Dieldrin	0.004	NA	NA	NA
Endosulfan, alpha-	--	NA	NA	NA
Endosulfan, beta-	--	NA	NA	NA
Endosulfan sulfate	--	NA	NA	NA
Endrin	ND	NA	NA	NA
Endrin aldehyde	5	NA	NA	NA
Endrin ketone	5	NA	NA	NA
Heptachlor	0.04	NA	NA	NA
Heptachlor epoxide	0.03	NA	NA	NA
Methoxychlor	35	NA	NA	NA
Toxaphene	0.06	NA	NA	NA
Metals				
Arsenic	25	**14.7 J**	**13.3 J**	**12.4 J**
Barium	1,000	**43.8 J**	**39.8 J**	**239**
Cadmium	5	4.00 U	4.00 U	4.00 U
Chromium	50	10.0 U	10.0 U	10.0 U
Lead	25	**19.9**	**16.9**	**20.7**
Mercury	0.7	0.200 U	0.200 U	0.200 U
Selenium	10	20.0 U	20.0 U	20.0 U
Silver	50	10.0 U	10.0 U	10.0 U
Total Cyanide				
Cyanide, Total	200	**30 B**	27 UB	16 UB

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation			
Location ID:		CGMW-29	CGMW-32	CGMW-40	CGMW-44
Sample ID:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	CGMW-29	CGMW-32	CGMW-40	CGMW-44
Screened Interval (feet bgs):		3.00 to 13.00	2.00 to 12.00	10.00 to 20.00	10.00 to 20.00
Screened Interval (feet NAVD88):		5.93 to -4.07	3.24 to -6.76	-2.11 to -12.11	4.86 to -5.14
Parameter / Sample Date:		6/11/2015	6/11/2015	7/28/2015	6/11/2015
Volatile Organic Compounds					
Acetone	50	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	1.0 U	1.0 U	**0.28 J**	1.0 U
Bromochloromethane	5	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ
Butanone, 2-	50	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	--	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	5	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ
Cyclohexane	--	**0.76 J**	1.0 UJ	**1.1**	1.0 UJ
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U
Dibromo-3-chloropropane, 1,2-	5	1.0 U	1.0 U	1.0 U	1.0 U
Dibromoethane, 1,2-	5	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,2-	3	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,3-	3	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,4-	3	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,1-	5	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,2-	0.6	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethene, 1,1-	5	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethene, cis-1,2-	5	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethene, trans-1,2-	5	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropane, 1,2-	1	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropene, cis-1,3-	0.4	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropene, trans-1,3-	0.4	1.0 U	1.0 U	1.0 U	1.0 U
Dioxane, 1,4-	--	50 U	50 U	50 U	50 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U
Hexanone, 2-	50	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	5	1.0 U	1.0 U	**0.56 J**	1.0 U
Methyl acetate	--	5.0 U	5.0 U	5.0 U	5.0 U
Methyl-2-pentanone, 4-	--	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	--	**4.2**	**0.33 J**	**0.97 J**	1.0 U
Methylcyclohexane	--	**1.5 J**	1.0 UJ	**1.1**	1.0 UJ
Methylene chloride	5	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethane, 1,1,2,2-	5	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation			
Location ID:		CGMW-29	CGMW-32	CGMW-40	CGMW-44
Sample ID:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	CGMW-29	CGMW-32	CGMW-40	CGMW-44
Screened Interval (feet bgs):		3.00 to 13.00	2.00 to 12.00	10.00 to 20.00	10.00 to 20.00
Screened Interval (feet NAVD88):		5.93 to -4.07	3.24 to -6.76	-2.11 to -12.11	4.86 to -5.14
Parameter / Sample Date:		6/11/2015	6/11/2015	7/28/2015	6/11/2015
Volatile Organic Compounds (continued)					
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorobenzene, 1,2,3-	5	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorobenzene, 1,2,4-	5	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethane, 1,1,1-	5	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethane, 1,1,2-	1	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ
Vinyl acetate	--	NA	NA	NA	NA
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U
Xylene, m,p-	5	1.0 U	1.0 U	1.0 U	1.0 U
Xylene, o-	5	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	--	NA	NA	NA	NA
Semivolatile Organic Compounds					
Acenaphthene	20	10 U	11 U	11 U	11 U
Acenaphthylene	--	10 U	11 U	11 U	11 U
Acetophenone	--	10 U	11 U	11 U	11 U
Anthracene	50	10 U	11 U	11 U	11 U
Atrazine	7.5	2.1 U	2.2 U	2.3 U	2.2 U
Benzaldehyde	--	10 U	11 U	11 UJ	11 U
Benzo(a)anthracene	0.002	1.0 U	1.1 U	1.1 U	1.1 U
Benzo(a)pyrene	ND	1.0 U	1.1 U	1.1 U	1.1 U
Benzo(b)fluoranthene	0.002	1.0 U	1.1 U	1.1 U	1.1 U
Benzo(g,h,i)perylene	--	10 U	11 U	11 U	11 U
Benzo(k)fluoranthene	0.002	1.0 U	1.1 U	1.1 U	1.1 U
Benzoic acid	--	NA	NA	NA	NA
Benzyl alcohol	--	NA	NA	NA	NA
Biphenyl, 1,1'-	5	10 U	11 U	11 U	11 U
Bis(2-chloroethoxy)methane	5	10 U	11 U	11 U	11 U
Bis(2-chloroethyl)ether	1	1.0 U	1.1 U	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	5	2.1 U	**6.2**	2.3 U	2.2 U
Bromophenyl phenyl ether, 4-	--	10 U	11 U	11 U	11 U
Butyl benzyl phthalate	50	10 U	**4.2 J**	11 U	11 U
Caprolactam	--	10 U	11 U	11 UJ	11 U
Carbazole	--	10 U	11 U	11 U	11 U
Chloro-3-methylphenol, 4-	--	10 U	11 U	11 U	11 U
Chloroaniline, 4-	5	10 U	11 U	11 U	11 U
Chloronaphthalene, 2-	10	10 U	11 U	11 U	11 U
Chlorophenol, 2-	--	10 U	11 U	11 U	11 U
Chlorophenyl phenyl ether, 4-	--	10 U	11 U	11 U	11 U
Chrysene	0.002	2.1 U	2.2 U	2.3 U	2.2 U

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Supplemental Remedial Investigation			
Location ID:		CGMW-29	CGMW-32	CGMW-40	CGMW-44
Sample ID:		CGMW-29	CGMW-32	CGMW-40	CGMW-44
Screened Interval (feet bgs):		3.00 to 13.00	2.00 to 12.00	10.00 to 20.00	10.00 to 20.00
Screened Interval (feet NAVD88):		5.93 to -4.07	3.24 to -6.76	-2.11 to -12.11	4.86 to -5.14
Parameter / Sample Date:		6/11/2015	6/11/2015	7/28/2015	6/11/2015
Semivolatile Organic Compounds (continued)					
Dibenzo(a,h)anthracene	--	1.0 U	1.1 UJ	1.1 U	1.1 UJ
Dibenzofuran	--	10 U	11 U	11 U	11 U
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA
Dichlorobenzene, 1,3-	3	NA	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA
Dichlorobenzidine, 3,3-	5	10 U	11 U	11 U	11 U
Dichlorophenol, 2,4-	5	10 U	**2.2 J**	11 U	11 U
Diethyl phthalate	50	10 U	11 U	11 U	11 U
Dimethylphenol, 2,4-	50	10 U	11 U	11 U	11 U
Dimethyl phthalate	50	10 U	11 U	11 U	11 U
Di-n-butyl phthalate	50	10 U	11 UJ	11 U	11 UJ
Di-n-octyl phthalate	50	10 U	11 U	11 U	11 U
Dinitro-2-methylphenol, 4,6-	--	21 U	22 U	23 U	22 U
Dinitrophenol, 2,4-	10	21 U	22 UJ	23 U	22 UJ
Dinitrotoluene, 2,4-	5	2.1 U	2.2 U	2.3 U	2.2 U
Dinitrotoluene, 2,6-	5	2.1 U	2.2 U	2.3 U	2.2 U
Fluoranthene	50	10 U	11 UJ	11 U	11 UJ
Fluorene	50	10 U	11 U	11 U	11 U
Hexachlorobenzene	0.04	1.0 U	1.1 U	1.1 U	1.1 U
Hexachlorobutadiene	0.5	1.0 U	1.1 U	1.1 U	1.1 U
Hexachlorocyclopentadiene	5	10 U	11 U	11 U	11 U
Hexachloroethane	5	1.0 U	1.1 U	1.1 U	1.1 U
Indeno(1,2,3-cd)pyrene	0.002	1.0 U	1.1 U	1.1 U	1.1 U
Isophorone	50	10 U	11 U	11 U	11 U
Methylnaphthalene, 2-	--	10 U	11 U	11 U	11 U
Methylphenol, 2-	--	10 U	11 U	11 U	11 U
Methylphenol, 4-	--	10 U	11 U	11 U	11 U
Naphthalene	10	10 U	11 U	11 U	11 U
Nitroaniline, 2-	5	10 U	11 U	11 U	11 U
Nitroaniline, 3-	5	10 U	11 U	11 U	11 U
Nitroaniline, 4-	5	10 U	11 U	11 U	11 U
Nitrobenzene	0.4	1.0 U	1.1 U	1.1 U	1.1 U
Nitrophenol, 2-	--	10 U	11 U	11 U	11 U
Nitrophenol, 4-	--	21 U	22 U	23 U	22 U
N-Nitrosodi-n-propylamine	--	1.0 U	1.1 U	1.1 U	1.1 U
N-Nitrosodiphenylamine	50	10 U	11 U	11 UJ	11 U
Oxybis(1-Chloropropane), 2,2'-	5	10 U	11 U	11 UJ	11 U
Pentachlorophenol	1	21 U	22 U	23 UJ	22 U
Phenanthrene	50	10 U	11 U	11 U	11 U
Phenol	1	10 U	11 U	11 U	11 U
Pyrene	50	10 U	11 UJ	11 UJ	11 UJ

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Supplemental Remedial Investigation			
Location ID:		CGMW-29	CGMW-32	CGMW-40	CGMW-44
Sample ID:		CGMW-29	CGMW-32	CGMW-40	CGMW-44
Screened Interval (feet bgs):		3.00 to 13.00	2.00 to 12.00	10.00 to 20.00	10.00 to 20.00
Screened Interval (feet NAVD88):		5.93 to -4.07	3.24 to -6.76	-2.11 to -12.11	4.86 to -5.14
Parameter / Sample Date:		6/11/2015	6/11/2015	7/28/2015	6/11/2015
Semivolatile Organic Compounds (continued)					
Tetrachlorobenzene, 1,2,4,5-	10	10 U	11 U	11 U	11 U
Tetrachlorophenol, 2,3,4,6-	--	10 U	11 U	11 U	11 U
Trichlorobenzene, 1,2,4-	5	NA	NA	NA	NA
Trichlorophenol, 2,4,5-	--	10 U	11 U	11 U	11 U
Trichlorophenol, 2,4,6-	--	10 U	11 U	11 U	11 U
Pesticides					
Aldrin	ND	NA	NA	NA	NA
BHC, alpha-	0.01	NA	NA	NA	NA
BHC, beta-	0.04	NA	NA	NA	NA
BHC, delta-	0.04	NA	NA	NA	NA
BHC, gamma-	0.05	NA	NA	NA	NA
Chlordane, alpha-	0.05	NA	NA	NA	NA
Chlordane, gamma-	0.05	NA	NA	NA	NA
DDD, 4,4'-	0.3	NA	NA	NA	NA
DDE, 4,4'-	0.2	NA	NA	NA	NA
DDT, 4,4'-	0.2	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA
Endosulfan, alpha-	--	NA	NA	NA	NA
Endosulfan, beta-	--	NA	NA	NA	NA
Endosulfan sulfate	--	NA	NA	NA	NA
Endrin	ND	NA	NA	NA	NA
Endrin aldehyde	5	NA	NA	NA	NA
Endrin ketone	5	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA
Heptachlor epoxide	0.03	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA
Toxaphene	0.06	NA	NA	NA	NA
Metals					
Arsenic	25	15.0 U	**25.3**	15.0 U	15.0 U
Barium	1,000	**903**	**247**	**353**	**446**
Cadmium	5	4.00 U	4.00 U	4.00 U	4.00 U
Chromium	50	10.0 U	10.0 U	10.0 U	**5.40 J**
Lead	25	10.0 U	10.0 U	10.0 U	10.0 U
Mercury	0.7	0.200 U	0.200 U	0.200 U	0.200 U
Selenium	10	20.0 U	20.0 U	20.0 U	20.0 U
Silver	50	10.0 U	10.0 U	10.0 U	10.0 U
Total Cyanide					
Cyanide, Total	200	24 UB	**35 B**	**13**	10 UJB

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation	
Location ID:		CGMW-46	CGMW-47
Sample ID:		CGMW-46	CGMW-47
Screened Interval (feet bgs):	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	9.00 to 19.00	8.00 to 18.00
Screened Interval (feet NAVD88):		2.28 to -7.72	0.32 to -9.68
Parameter / Sample Date:		6/11/2015	6/11/2015
Volatile Organic Compounds			
Acetone	50	5.0 U	5.0 U
Benzene	1	1.0 U	1.0 U
Bromochloromethane	5	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U
Bromomethane	5	1.0 UJ	1.0 UJ
Butanone, 2-	50	5.0 U	5.0 U
Carbon disulfide	--	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U
Chloromethane	5	1.0 UJ	1.0 UJ
Cyclohexane	--	1.0 UJ	1.0 UJ
Dibromochloromethane	50	1.0 U	1.0 U
Dibromo-3-chloropropane, 1,2-	5	1.0 U	1.0 U
Dibromoethane, 1,2-	5	1.0 U	1.0 U
Dichlorobenzene, 1,2-	3	1.0 U	1.0 U
Dichlorobenzene, 1,3-	3	1.0 U	1.0 U
Dichlorobenzene, 1,4-	3	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U
Dichloroethane, 1,1-	5	1.0 U	1.0 U
Dichloroethane, 1,2-	0.6	1.0 U	1.0 U
Dichloroethene, 1,1-	5	1.0 U	1.0 U
Dichloroethene, cis-1,2-	5	1.0 U	**4.0**
Dichloroethene, trans-1,2-	5	1.0 U	**0.23 J**
Dichloropropane, 1,2-	1	1.0 U	1.0 U
Dichloropropene, cis-1,3-	0.4	1.0 U	1.0 U
Dichloropropene, trans-1,3-	0.4	1.0 U	1.0 U
Dioxane, 1,4-	--	50 U	50 U
Ethylbenzene	5	1.0 U	1.0 U
Hexanone, 2-	50	5.0 U	5.0 U
Isopropylbenzene	5	1.0 U	1.0 U
Methyl acetate	--	5.0 U	5.0 U
Methyl-2-pentanone, 4-	--	5.0 U	5.0 U
Methyl tert-butyl ether	--	1.0 U	1.0 U
Methylcyclohexane	--	1.0 UJ	1.0 UJ
Methylene chloride	5	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U
Tetrachloroethane, 1,1,2,2-	5	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:		Supplemental Remedial Investigation	
Location ID:		CGMW-46	CGMW-47
Sample ID:		CGMW-46	CGMW-47
Screened Interval (feet bgs):	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	9.00 to 19.00	8.00 to 18.00
Screened Interval (feet NAVD88):		2.28 to -7.72	0.32 to -9.68
Parameter / Sample Date:		6/11/2015	6/11/2015
Volatile Organic Compounds (continued)			
Toluene	5	1.0 U	1.0 U
Trichlorobenzene, 1,2,3-	5	1.0 U	1.0 U
Trichlorobenzene, 1,2,4-	5	1.0 U	1.0 U
Trichloroethane, 1,1,1-	5	1.0 U	1.0 U
Trichloroethane, 1,1,2-	1	1.0 U	1.0 U
Trichloroethene	5	1.0 U	**0.46 J**
Trichlorofluoromethane	5	1.0 U	1.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	1.0 UJ	1.0 UJ
Vinyl acetate	--	NA	NA
Vinyl chloride	2	1.0 U	1.0 U
Xylene, m,p-	5	1.0 U	1.0 U
Xylene, o-	5	1.0 U	1.0 U
Xylenes, Total	--	NA	NA
Semivolatile Organic Compounds			
Acenaphthene	20	11 U	11 U
Acenaphthylene	--	11 U	11 U
Acetophenone	--	11 U	11 U
Anthracene	50	11 U	11 U
Atrazine	7.5	2.2 U	2.3 U
Benzaldehyde	--	11 U	11 U
Benzo(a)anthracene	0.002	1.1 U	1.1 U
Benzo(a)pyrene	ND	1.1 U	1.1 U
Benzo(b)fluoranthene	0.002	1.1 U	1.1 U
Benzo(g,h,i)perylene	--	11 U	11 U
Benzo(k)fluoranthene	0.002	1.1 U	1.1 U
Benzoic acid	--	NA	NA
Benzyl alcohol	--	NA	NA
Biphenyl, 1,1'-	5	11 U	11 U
Bis(2-chloroethoxy)methane	5	11 U	11 U
Bis(2-chloroethyl)ether	1	1.1 U	1.1 U
Bis(2-ethylhexyl)phthalate	5	2.2 U	2.3 U
Bromophenyl phenyl ether, 4-	--	11 U	11 U
Butyl benzyl phthalate	50	11 U	11 U
Caprolactam	--	11 U	11 U
Carbazole	--	11 U	11 U
Chloro-3-methylphenol, 4-	--	11 U	11 U
Chloroaniline, 4-	5	11 U	11 U
Chloronaphthalene, 2-	10	11 U	11 U
Chlorophenol, 2-	--	11 U	11 U
Chlorophenyl phenyl ether, 4-	--	11 U	11 U
Chrysene	0.002	2.2 U	2.3 U

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Parameter	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Supplemental Remedial Investigation	
Investigation:		Supplemental Remedial Investigation	
Location ID:		CGMW-46	CGMW-47
Sample ID:		CGMW-46	CGMW-47
Screened Interval (feet bgs):		9.00 to 19.00	8.00 to 18.00
Screened Interval (feet NAVD88):		2.28 to -7.72	0.32 to -9.68
Sample Date:		6/11/2015	6/11/2015
Semivolatile Organic Compounds (continued)			
Dibenzo(a,h)anthracene	--	1.1 UJ	1.1 UJ
Dibenzofuran	--	11 U	11 U
Dichlorobenzene, 1,2-	3	NA	NA
Dichlorobenzene, 1,3-	3	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA
Dichlorobenzidine, 3,3-	5	11 U	11 U
Dichlorophenol, 2,4-	5	11 U	11 U
Diethyl phthalate	50	11 U	11 U
Dimethylphenol, 2,4-	50	11 U	11 U
Dimethyl phthalate	50	11 U	11 U
Di-n-butyl phthalate	50	11 UJ	11 UJ
Di-n-octyl phthalate	50	11 U	11 U
Dinitro-2-methylphenol, 4,6-	--	22 U	23 U
Dinitrophenol, 2,4-	10	22 UJ	23 UJ
Dinitrotoluene, 2,4-	5	2.2 U	2.3 U
Dinitrotoluene, 2,6-	5	2.2 U	2.3 U
Fluoranthene	50	11 UJ	11 UJ
Fluorene	50	11 U	11 U
Hexachlorobenzene	0.04	1.1 U	1.1 U
Hexachlorobutadiene	0.5	1.1 U	1.1 U
Hexachlorocyclopentadiene	5	11 U	11 U
Hexachloroethane	5	1.1 U	1.1 U
Indeno(1,2,3-cd)pyrene	0.002	1.1 U	1.1 U
Isophorone	50	11 U	11 U
Methylnaphthalene, 2-	--	11 U	11 U
Methylphenol, 2-	--	11 U	11 U
Methylphenol, 4-	--	11 U	11 U
Naphthalene	10	11 U	11 U
Nitroaniline, 2-	5	11 U	11 U
Nitroaniline, 3-	5	11 U	11 U
Nitroaniline, 4-	5	11 U	11 U
Nitrobenzene	0.4	1.1 U	1.1 U
Nitrophenol, 2-	--	11 U	11 U
Nitrophenol, 4-	--	22 U	23 U
N-Nitrosodi-n-propylamine	--	1.1 U	1.1 U
N-Nitrosodiphenylamine	50	11 U	11 U
Oxybis(1-Chloropropane), 2,2'-	5	11 U	11 U
Pentachlorophenol	1	22 U	23 U
Phenanthrene	50	11 U	11 U
Phenol	1	11 U	11 U
Pyrene	50	11 UJ	11 UJ

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Parameter	New York State Class GA Ambient Water Quality Standard or Guidance Value[3]	Supplemental Remedial Investigation	
Investigation:		Supplemental Remedial Investigation	
Location ID:		CGMW-46	CGMW-47
Sample ID:		CGMW-46	CGMW-47
Screened Interval (feet bgs):		9.00 to 19.00	8.00 to 18.00
Screened Interval (feet NAVD88):		2.28 to -7.72	0.32 to -9.68
Sample Date:		6/11/2015	6/11/2015
Semivolatile Organic Compounds (continued)			
Tetrachlorobenzene, 1,2,4,5-	10	11 U	11 U
Tetrachlorophenol, 2,3,4,6-	--	11 U	11 U
Trichlorobenzene, 1,2,4-	5	NA	NA
Trichlorophenol, 2,4,5-	--	11 U	11 U
Trichlorophenol, 2,4,6-	--	11 U	11 U
Pesticides			
Aldrin	ND	NA	NA
BHC, alpha-	0.01	NA	NA
BHC, beta-	0.04	NA	NA
BHC, delta-	0.04	NA	NA
BHC, gamma-	0.05	NA	NA
Chlordane, alpha-	0.05	NA	NA
Chlordane, gamma-	0.05	NA	NA
DDD, 4,4'-	0.3	NA	NA
DDE, 4,4'-	0.2	NA	NA
DDT, 4,4'-	0.2	NA	NA
Dieldrin	0.004	NA	NA
Endosulfan, alpha-	--	NA	NA
Endosulfan, beta-	--	NA	NA
Endosulfan sulfate	--	NA	NA
Endrin	ND	NA	NA
Endrin aldehyde	5	NA	NA
Endrin ketone	5	NA	NA
Heptachlor	0.04	NA	NA
Heptachlor epoxide	0.03	NA	NA
Methoxychlor	35	NA	NA
Toxaphene	0.06	NA	NA
Metals			
Arsenic	25	15.0 U	**17.0**
Barium	1,000	**218**	**158 J**
Cadmium	5	4.00 U	4.00 U
Chromium	50	10.0 U	10.0 U
Lead	25	10.0 U	10.0 U
Mercury	0.7	0.200 U	0.200 U
Selenium	10	20.0 U	20.0 U
Silver	50	10.0 U	10.0 U
Total Cyanide			
Cyanide, Total	200	10 UJB	10 UJB

Table 8
Summary of Groundwater Sample Data
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Notes:

1. Groundwater sample data summarized in this table for monitoring wells CGMW-06S, CGMW-06D, CGMW-11, CGMW-12, CGMW-16 through CGMW-19, and CGMW-22 were originally presented in Table 12 of the *Final Remedial Investigation Report* (GEI 2005).
2. Sample concentrations are presented in units of micrograms per liter (µg/L).
3. Vertical reference datum is the North American Vertical Datum of 1988 (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 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.

Data Qualifiers:

1. B: Parameter was also detected in the associated method blank.
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. R: Sample result has been rejected.
4. U: Parameter was not detected in the sample. The reported concentration is the RL.
5. UB: Parameter is considered non-detect at the listed value due to associated blank contamination.
6. 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 9
Summary of DNAPL Sample Data for Monitoring Well CGMW-06I
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:	Remedial Investigation
Location ID:	CGMW-06I
Sample ID:	CGMW-6I_11_05_04
Screened Interval (feet bgs):	60.00 to 70.00
Screened Interval (feet NAVD88):	-49.33 to -59.33
Parameter / Sample Date:	11/5/2004
Volatile Organic Compounds	
Acetone	310 U
Benzene	**210**
Bromodichloromethane	120 U
Bromoform	120 U
Bromomethane	120 U
Butanone, 2-	120 U
Carbon disulfide	120 U
Carbon tetrachloride	120 U
Chlorobenzene	120 U
Chloroethane	120 U
Chloroform	120 U
Chloromethane	120 U
Dibromochloromethane	120 U
Dichloroethane, 1,1-	120 U
Dichloroethane, 1,2-	120 U
Dichloroethene, 1,1-	120 U
Dichloroethene, cis-1,2-	120 U
Dichloroethene, trans-1,2-	120 U
Dichloropropane, 1,2-	120 U
Dichloropropene, cis-1,3-	120 U
Dichloropropene, trans-1,3-	120 U
Ethylbenzene	**220**
Hexanone, 2-	120 U
Methyl-2-pentanone, 4-	120 U
Methylene chloride	120 UJB
Styrene	**690**
Tetrachloroethane, 1,1,2,2-	120 U
Tetrachloroethene	120 U
Toluene	**370**
Trichloroethane, 1,1,1-	120 U
Trichloroethane, 1,1,2-	120 U
Trichloroethene	120 U
Vinyl chloride	120 U
Xylenes, Total	**1,100**
Semivolatile Organic Compounds	
Acenaphthene	5,900 U
Acenaphthylene	**550 J**
Anthracene	**4,300**
Benzo(a)anthracene	**1,800 J**
Benzo(a)pyrene	**840 J**
Benzo(b)fluoranthene	**720 J**

Table 9
Summary of DNAPL Sample Data for Monitoring Well CGMW-06I
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:	Remedial Investigation
Location ID:	CGMW-06I
Sample ID:	CGMW-6I_11_05_04
Screened Interval (feet bgs):	60.00 to 70.00
Screened Interval (feet NAVD88):	-49.33 to -59.33
Parameter / Sample Date:	11/5/2004
Semivolatile Organic Compounds (continued)	
Benzo(g,h,i)perylene	2,400 U
Benzo(k)fluoranthene	**280 J**
Benzyl alcohol	**440 J**
Bis(2-chloroethoxy)methane	2,400 U
Bis(2-chloroethyl)ether	2,400 U
Bis(2-ethylhexyl)phthalate	2,400 U
Bromophenyl phenyl ether, 4-	2,400 U
Butyl benzyl phthalate	2,400 U
Carbazole	2,400 U
Chloro-3-methylphenol, 4-	2,400 U
Chloroaniline, 4-	2,400 U
Chloronaphthalene, 2-	2,400 U
Chlorophenol, 2-	2,400 U
Chlorophenyl phenyl ether, 4-	2,400 U
Chrysene	**850 J**
Dibenzo(a,h)anthracene	2,400 U
Dibenzofuran	2,400 U
Dichlorobenzene, 1,2-	2,400 U
Dichlorobenzene, 1,3-	2,400 U
Dichlorobenzene, 1,4-	2,400 U
Dichlorobenzidine, 3,3-	2,400 U
Dichlorophenol, 2,4-	2,400 U
Diethyl phthalate	2,400 U
Dimethylphenol, 2,4-	2,400 U
Dimethyl phthalate	2,400 U
Di-n-butyl phthalate	2,400 U
Di-n-octyl phthalate	2,400 U
Dinitro-2-methylphenol, 4,6-	5,900 UJ
Dinitrophenol, 2,4-	5,900 UJ
Dinitrotoluene, 2,4-	2,400 U
Dinitrotoluene, 2,6-	2,400 U
Fluoranthene	**1,800 J**
Fluorene	**2,100 J**
Hexachlorobenzene	2,400 U
Hexachlorobutadiene	2,400 U
Hexachlorocyclopentadiene	2,400 UJ
Hexachloroethane	2,400 U
Indeno(1,2,3-cd)pyrene	2,400 U
Isophorone	2,400 U
Methylnaphthalene, 2-	**8,300**
Methylphenol, 2-	2,400 U

Table 9
Summary of DNAPL Sample Data for Monitoring Well CGMW-06I
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Investigation:	Remedial Investigation
Location ID:	CGMW-06I
Sample ID:	CGMW-6I_11_05_04
Screened Interval (feet bgs):	60.00 to 70.00
Screened Interval (feet NAVD88):	-49.33 to -59.33
Parameter / Sample Date:	11/5/2004
Semivolatile Organic Compounds (continued)	
Methylphenol, 4-	2,400 U
Naphthalene	**13,000**
Nitroaniline, 2-	5,900 U
Nitroaniline, 3-	5,900 U
Nitroaniline, 4-	2,400 U
Nitrobenzene	2,400 U
Nitrophenol, 2-	2,400 U
Nitrophenol, 4-	5,900 U
N-Nitrosodi-n-propylamine	2,400 U
N-Nitrosodiphenylamine	2,400 U
Oxybis(1-Chloropropane), 2,2'-	2,400 U
Pentachlorophenol	5,900 U
Phenanthrene	**6,300**
Phenol	2,400 U
Pyrene	**2,100 J**
Trichlorobenzene, 1,2,4-	2,400 U
Trichlorophenol, 2,4,5-	5,900 U
Trichlorophenol, 2,4,6-	2,400 U
Miscellaneous	
Specific Gravity (unitless)	**1.1**
Viscosity, Kinematic (cSt)	**27.33**

Table 9
Summary of DNAPL Sample Data for Monitoring Well CGMW-06I
Data Summary Report for Off-Site Area

National Grid
Former Citizens Gas Works Manufactured Gas Plant Site
Borough of Brooklyn, Kings County, New York
NYSDEC Site No. 224012

Notes:

1. Dense non-aqueous phase liquid (DNAPL) sample data summarized in this table for monitoring well CGMW-06I were originally presented in Table 15 of the *Final Remedial Investigation Report* (GEI 2005).
2. Unless indicated otherwise, sample concentrations are presented in units of milligrams per kilogram (mg/kg).
3. Vertical reference datum is the North American Vertical Datum of 1988 (NAVD88).
4. Bolded sample concentrations denote detected parameters.
5. bgs: below ground surface.
6. cSt: centiStokes.

Data Qualifiers:

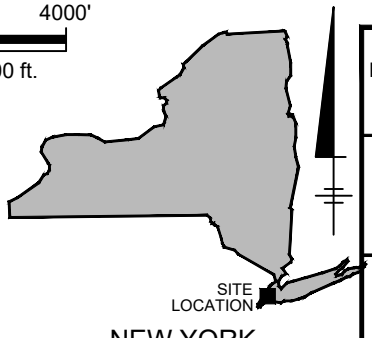
1. J: Concentration is less than the reporting limit (RL), but greater than or equal to the method detection limit. The reported concentration is an estimate.
2. U: Parameter was not detected in the sample. The reported concentration is the RL.
3. UJ: Parameter was not detected above the reported RL. However, the reported RL is approximate and may or may not represent the actual RL.
4. B: Parameter was also detected in the associated method blank

Figures

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

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



NATIONAL GRID
FORMER CITIZENS GAS WORKS MANUFACTURED GAS PLANT SITE
BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

DATA SUMMARY REPORT FOR OFF-SITE AREA

SITE LOCATION MAP

ARCADIS

FIGURE 1

C:\Users\jharris\OneDrive - ARCADIS\BIM360 - OneDrive Sync Location\AUS-NATIONAL GRID-FORMER CITIZENS MGP-BROOKLYN New York\2021\01-In Progress\01-DWG\DSROSA-F01-SLM.dwg LAYOUT: 1 SAVED: 11/9/2021 3:18 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 11/9/2021 3:21 PM BY: HARRIS, JESS

XREFS: IMAGES: PROJECTNAME: ----
Arcadis Logo_2021.PNG
NJ_Jersey_City_20140403_TM_geo.jpg
NY_Brooklyn_20130328_TM_geo.jpg

LEGEND:

- LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012 (PARCELS I AND II)
- LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012B (PARCEL III)
- LIMIT OF STATE SUPERFUND SITE NO. 224012 (PARCEL IV)
- APPROXIMATE LIMIT OF OFF-SITE INVESTIGATION AREA
- PROPERTY LINE (APPROXIMATE)

NOTES:

1. HORIZONTAL REFERENCE DATUM IS THE NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE PLANE EAST ZONE.
2. AERIAL IMAGE PROVIDED BY BING MAPS.
3. PARCEL BOUNDARIES DOWNLOADED FROM GIS OPEN DATA PORTAL, REVISED JULY 7, 2021 www.data.cityofnewyork.us

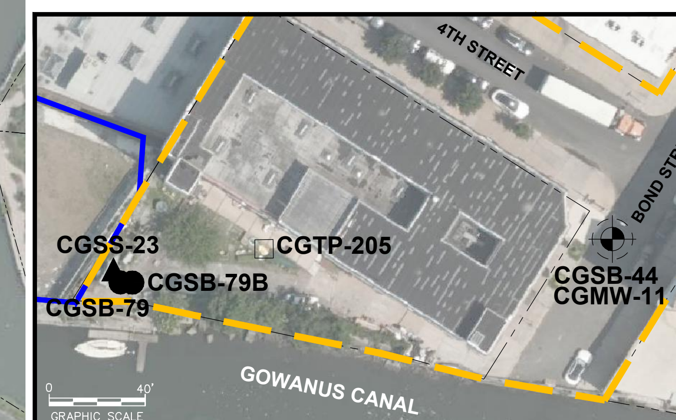
0 100' 200'
GRAPHIC SCALE

NATIONAL GRID
FORMER CITIZENS GAS WORKS MANUFACTURED GAS PLANT SITE
BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK
DATA SUMMARY REPORT FOR OFF-SITE AREA

PLAN OF SITE AND OFF-SITE AREA

ARCADIS

FIGURE
2



LEGEND:

- (blue line) LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012 (PARCELS I AND II)
- (green line) LIMIT OF BROWNFIELD CLEANUP PROGRAM SITE NO. C224012B (PARCEL III)
- (magenta line) LIMIT OF STATE SUPERFUND SITE NO. 224012 (PARCEL IV)
- (orange dashed line) APPROXIMATE LIMIT OF OFF-SITE INVESTIGATION AREA
- PROPERTY LINE (APPROXIMATE)
- CGSS-23 ▲ SURFACE SOIL SAMPLE
- CGSB-31 ● SOIL BORING
- CGTP-205 □ TEST PIT
- CGMW-17 EXISTING MONITORING WELL
- CGMW-26 FORMER MONITORING WELL

NOTES:

1. HORIZONTAL REFERENCE DATUM IS THE NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE PLANE EAST ZONE.
2. AERIAL IMAGE PROVIDED BY BING MAPS.
3. PARCEL BOUNDARIES DOWNLOADED FROM GIS OPEN DATA PORTAL, REVISED JULY 7, 2021 www.data.cityofnewyork.us

0 100' 200'
GRAPHIC SCALE

NATIONAL GRID
FORMER CITIZENS GAS WORKS MANUFACTURED GAS PLANT SITE
BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK
DATA SUMMARY REPORT FOR OFF-SITE AREA

OFF-SITE INVESTIGATION PLAN

ARCADIS

FIGURE
3

C:\Users\jlharris\OneDrive - ARCADIS\BIM360 - OneDrive Sync Location\AUS-NATIONAL GRID-FORMER CITIZENS MGP-BROOKLYN New York\2021\01-In Progress\01-DWG\DSROSA-F03-OFF-SITE INV PLAN.dwg LAYOUT: 3 SAVED: 11/9/2021 3:18 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: PLTCONT.CTB PLOTTED: 11/9/2021 3:26 PM BY: HARRIS, JESS
XREFS:

Attachments

Attachment A

Soil Boring, Well Construction, and Test Pit Logs

Site Id: CGMW-06D

GEI Consultants, Inc.

Client: KeySpan Corporation			
Project Number: 982482-8-1903	Project Name: Citizens Gas Works	Date Started: 04/30/03	Date Completed: 05/01/03
Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram		Ground Elevation: 10.54'	Datum: NAVD 88
		Contractor: Prosonic	Total Depth: 140.00'
		Drilling Method: Resonant Sonic	
		Logged By: Melissa Wells	Certified By: Katie Amos

Split Spoon Sample Depth (ft.)	Blows Per 6 Inches	Recovery %	PID	Depth (ft.)	Soil Description: color, density, SOIL, admixture, moisture, other notes, ORIGIN.	Analyzed Sample Interval	Lithology	Vis. Signs of Contamination	Odors	Elevation (ft)
					0.0–3.0: Cleared by hand due to utility concerns.					10
3–7	NA	100			3.0–5.0: Light brown, medium to coarse SAND, trace gravel, loose, non–cohesive, no visual impacts, no odors. (SP)				NONE	
			7.5 ppm		5.0–7.0: Brown, FILL, medium sand, trace gravel, trace coal fragments, trace ash, loose, non–cohesive, black staining, moderate petroleum–like odor. (FI)					
7–17	NA	15	446 ppm		7.0–17.0: Dark brown, wet, medium SAND, some coarse sand, trace gravel, loose, non–cohesive, spotty sheen, moderate petroleum–like odor. (SP)				MODERATE	0
				10	CGMW–06S is a shallow monitoring well, part of CGMW–06 well cluster. CGMW–06S WELL CONSTRUCTION; Measuring Point Elevation 10.07' tor 3.0–0.0 Grout 7.0–3.0 Seal 22.0–7.0 Sand 20.0–10.0 Screen 22.0–20.0 Sump					

Legend: Physical Observations

- None
- Stain
- Lenses, Grain Coatings and Blebs
- Interbedded Tar Layers
- Tar Saturated

Site Id: CGMW-06D

GEI Consultants, Inc.

Client: KeySpan Corporation	
Project Number: 982482-8-1903	Project Name: Citizens Gas Works
Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram	
Date Started: 04/30/03	Date Completed: 05/01/03
Ground Elevation: 10.54'	Datum: NAVD 88
Contractor: Prosonic	Total Depth: 140.00'
Drilling Method: Resonant Sonic	
Logged By: Melissa Wells	Certified By: Katie Amos

Split Spoon Sample Depth (ft.)	Blows Per 6 Inches	Recovery %	PID	Depth (ft.)	Soil Description: color, density, SOIL, admixture, moisture, other notes, ORIGIN.	Analyzed Sample Interval	Lithology / Physical Observations	Odors	Elevation (ft)	Well Construction
17-27	NA	100			17.0-18.0: Reddish brown, moist, SILT, trace gravel, dense, cohesive, no visual impacts, no odors. (ML)					
					18.0-23.0: Gray, moist, CLAY, trace organics and shells, dense, cohesive, no visual impacts, no odors. (OH)					
			8 ppm	20				NONE	-10	
					23.0-26.5: Brown, moist, SILT, trace clay, dense, cohesive, no visual impacts, no odors. (ML)					
			5.4 ppm		26.5-27.0: Brown, wet, medium SAND, loose, non-cohesive, no visual impacts, no odors. (SP)					
27-37	NA	100			27.0-32.5: Brown, wet, medium SAND, loose, non-cohesive, heavily tar coated, strong tar-like odor. (SP)					

Legend: Physical Observations

- None
- Stain
- Lenses, Grain Coatings and Blebs
- Interbedded Tar Layers
- Tar Saturated

Site Id: CGMW-06D

GEI Consultants, Inc.

Client: KeySpan Corporation	
Project Number: 982482-8-1903	Project Name: Citizens Gas Works
Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram	

Date Started: 04/30/03	Date Completed: 05/01/03
Ground Elevation: 10.54'	Datum: NAVD 88
Contractor: Prosonic	Total Depth: 140.00'
Drilling Method: Resonant Sonic	
Logged By: Melissa Wells	Certified By: Katie Amos

Split Spoon Sample Depth (ft.)	Blows Per 6 Inches	Recovery %	PID	Depth (ft.)	Soil Description: color, density, SOIL, admixture, moisture, other notes, ORIGIN.	Analyzed Sample Interval	Lithology / Physical Observations	Odors	Elevation (ft)	Well Construction
			481 ppm			31.0-32.0		STRONG	-20	
			411 ppm		32.5-34.5: Wet, medium SAND with layers of silt, loose, semi-cohesive, sandy layers are tar coated, strong tar-like odor. (SM)					
			7.1 ppm		34.5-43.5: Brown and gray brown, wet, medium to coarse SAND, loose, non-cohesive, no visual impacts, no odors. (SP)					
37-47	NA	100	4.4 ppm	40				NONE	-30	
					43.5-47.0: Brown, wet, fine SAND and SILT, moderately dense, semi-cohesive, no visual impacts, no odors. (SM)					

Legend: Physical Observations

- None
- Stain
- Lenses, Grain Coatings and Blebs
- Interbedded Tar Layers
- Tar Saturated

Site Id: CGMW-06D

GEI Consultants, Inc.

Client: KeySpan Corporation	
Project Number: 982482-8-1903	Project Name: Citizens Gas Works
Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram	
Date Started: 04/30/03	Date Completed: 05/01/03
Ground Elevation: 10.54'	Datum: NAVD 88
Contractor: Prosonic	Total Depth: 140.00'
Drilling Method: Resonant Sonic	
Logged By: Melissa Wells	Certified By: Katie Amos

Split Spoon Sample Depth (ft.)	Blows Per 6 Inches	Recovery %	PID	Depth (ft.)	Soil Description: color, density, SOIL, admixture, moisture, other notes, ORIGIN.	Analyzed Sample Interval	Lithology / Physical Observations	Odors	Elevation (ft)	Well Construction
			13.4 ppm							
47-57	NA	50			47.0-57.0: Brown, wet, fine SAND, some silt, loose, semi-cohesive, trace sheen, faint tar-like odor. (SM)					
			55 ppm	50				MODERATE	-40	
57-67	NA	100			57.0-67.0: Brown, wet, SILT, little fine sand, slightly dense, moderate cohesivity, layers of medium sand coated with tar, moderate tar odor. (SM)					

Legend: Physical Observations — None; Stain; Lenses, Grain Coatings and Blebs; Interbedded Tar Layers; Tar Saturated

Site Id: CGMW-06D

GEI Consultants, Inc.

Client: KeySpan Corporation	
Project Number: 982482-8-1903	Project Name: Citizens Gas Works
Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram	
Date Started: 04/30/03	Date Completed: 05/01/03
Ground Elevation: 10.54'	Datum: NAVD 88
Contractor: Prosonic	Total Depth: 140.00'
Drilling Method: Resonant Sonic	
Logged By: Melissa Wells	Certified By: Katie Amos

Split Spoon Sample Depth (ft.)	Blows Per 6 Inches	Recovery %	PID	Depth (ft.)	Soil Description: color, density, SOIL, admixture, moisture, other notes, ORIGIN.	Analyzed Sample Interval	Lithology	Physical Observations	Odors	Elevation (ft)	Well Construction
					CGMW-06I is an intermediate monitoring well, part of CGMW-06 well cluster. CGMW-06I WELL CONSTRUCTION:, Measuring Point Elevation 10.31' tor 52.0-0.0 Grout 56.0-52.0 Seal 72.0-56.0 Sand 70.0-60.0 Screen 72.0-70.0 Sump				STRONG	-50	
			631 ppm			64.0-64.5					
67-77	NA	50			67.0-68.0: Brown, wet, SILT, little to some clay, soft, cohesive, plastic, no visual impacts, faint naphthalene odor. (ML) 68.0-77.0: Tan to Brown, fine to medium SAND, trace silt, non-cohesive, loose, no visual impacts, faint naphthalene odor. (SP)					-60	
				70					FAINT		

Legend: Physical Observations

- None
- Stain
- Lenses, Grain Coatings and Blebs
- Interbedded Tar Layers
- Tar Saturated

Site Id: CGMW-06D

GEI Consultants, Inc.

Client: KeySpan Corporation	
Project Number: 982482-8-1903	Project Name: Citizens Gas Works
Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram	

Date Started: 04/30/03	Date Completed: 05/01/03
Ground Elevation: 10.54'	Datum: NAVD 88
Contractor: Prosonic	Total Depth: 140.00'
Drilling Method: Resonant Sonic	
Logged By: Melissa Wells	Certified By: Katie Amos

Split Spoon Sample Depth (ft.)	Blows Per 6 Inches	Recovery %	PID	Depth (ft.)	Soil Description: color, density, SOIL, admixture, moisture, other notes, ORIGIN.	Analyzed Sample Interval	Lithology / Physical Observations	Odors	Elevation (ft)	Well Construction
			22.1 ppm							
77-87	NA	100	137 ppm		77.0-80.0: Brown, wet, coarse SAND, some fine gravel, loose, non-cohesive, poorly-sorted, sheen. (SW)					
				80	80.0-81.5: Brown, wet, fine to medium SAND, trace silt, loose, non-cohesive, moderate tar coating at 81.5', moderate tar-like odor. (SP)			MODERATE	-70	
			740 ppm		81.5-87.0: Brown, wet, fine SAND, trace silt, loose, non-cohesive, no visual impacts, no odor. (SP)			NONE		
			128 ppm							
87-97	NA	100			87.0-89.0: Brown, wet, medium SAND, loose, non-cohesive, well-sorted, no visual impacts, no odors. (SP)					
					89.0-96.0: Brown, wet, TILL, SILT, some gravel, cobbles, sand, and clay, dense, cohesive, no visual impacts, no odors. (ML)					

Legend: Physical Observations — None; Stain; Lenses, Grain Coatings and Blebs; Interbedded Tar Layers; Tar Saturated

Site Id: CGMW-06D

GEI Consultants, Inc.

Client: KeySpan Corporation	
Project Number: 982482-8-1903	Project Name: Citizens Gas Works
Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram	
Date Started: 04/30/03	Date Completed: 05/01/03
Ground Elevation: 10.54'	Datum: NAVD 88
Contractor: Prosonic	Total Depth: 140.00'
Drilling Method: Resonant Sonic	
Logged By: Melissa Wells	Certified By: Katie Amos

Split Spoon Sample Depth (ft.)	Blows Per 6 Inches	Recovery %	PID	Depth (ft.)	Soil Description color, density, SOIL, admixture, moisture, other notes, ORIGIN.	Analyzed Sample Interval	Lithology / Physical Observations	Odors	Elevation (ft)	Well Construction
			51 ppm						-80	
			51.5 ppm		96.0-97.0: Brown, wet, medium SAND, trace gravel, loose, non-cohesive, no visual impacts, no odors. (SP)			NONE		
97-118	NA	100			97.0-127.0: Brown and gray, wet, fine to medium SAND, loose, non-cohesive, no visual impacts, no odor. (SP)				-90	
				100						
			31.5 ppm							

Legend: Physical Observations — None; Stain; Lenses, Grain Coatings and Blebs; Interbedded Tar Layers; Tar Saturated

Site Id: CGMW-06D

GEI Consultants, Inc.

Client: KeySpan Corporation	
Project Number: 982482-8-1903	Project Name: Citizens Gas Works
Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram	
Date Started: 04/30/03	Date Completed: 05/01/03
Ground Elevation: 10.54'	Datum: NAVD 88
Contractor: Prosonic	Total Depth: 140.00'
Drilling Method: Resonant Sonic	
Logged By: Melissa Wells	Certified By: Katie Amos

Split Spoon Sample Depth (ft.)	Blows Per 6 Inches	Recovery %	PID	Depth (ft.)	Soil Description: color, density, SOIL, admixture, moisture, other notes, ORIGIN.	Analyzed Sample Interval	Lithology / Physical Observations	Odors	Elevation (ft)	Well Construction
				110	97.0–127.0: Brown and gray, wet, fine to medium SAND, loose, non-cohesive, no visual impacts, no odor. (SP)			NONE	-100	
			0.6 ppm							
118–140	NA	100								

Legend: Physical Observations

- None
- Stain
- Lenses, Grain Coatings and Blebs
- Interbedded Tar Layers
- Tar Saturated

Site Id: CGMW-06D

GEI Consultants, Inc.

Client: KeySpan Corporation	
Project Number: 982482-8-1903	Project Name: Citizens Gas Works
Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram	
Date Started: 04/30/03	Date Completed: 05/01/03
Ground Elevation: 10.54'	Datum: NAVD 88
Contractor: Prosonic	Total Depth: 140.00'
Drilling Method: Resonant Sonic	
Logged By: Melissa Wells	Certified By: Katie Amos

Split Spoon Sample Depth (ft.)	Blows Per 6 Inches	Recovery %	PID	Depth (ft.)	Soil Description: color, density, SOIL, admixture, moisture, other notes, ORIGIN.	Analyzed Sample Interval	Lithology	Physical Observations	Odors	Elevation (ft)	Well Construction
			0.2 ppm		CGMW-06D WELL CONSTRUCTION: Measuring Point Elevation 9.94' tor 108.8-0.0 Grout 113.5-108.8 Seal 130.0-113.5 Sand 130.0-120.0 Screen 132.0-130.0 Sump	122-123			NONE	-110	
			0.7 ppm	130	127.0-138.0: Gray, wet, CLAY, trace organics and shells, very dense, cohesive, no visual impacts, no odors. (CH)					-120	

Legend: Physical Observations

- None
- Stain
- Lenses, Grain Coatings and Blebs
- Interbedded Tar Layers
- Tar Saturated

Site Id: CGMW-06D

GEI Consultants, Inc.

Client: KeySpan Corporation	
Project Number: 982482-8-1903	Project Name: Citizens Gas Works
Remarks: CGMW-06D was completed within CGSB-26. Geology, physical observations, and analytical samples for CGMW-06D were obtained from CGSB-26. Screened intervals for wells CGMW-06S and CGMW-06I are depicted on the well construction diagram	
Date Started: 04/30/03	Date Completed: 05/01/03
Ground Elevation: 10.54'	Datum: NAVD 88
Contractor: Prosonic	Total Depth: 140.00'
Drilling Method: Resonant Sonic	
Logged By: Melissa Wells	Certified By: Katie Amos

Split Spoon Sample Depth (ft.)	Blows Per 6 Inches	Recovery %	PID	Depth (ft.)	Soil Description color, density, SOIL, admixture, moisture, other notes, ORIGIN.	Analyzed Sample Interval	Lithology / Physical Observations	Odors	Elevation (ft)	Well Construction
			0.3 ppm					NONE		
					138.0–140.0: Brown, wet, coarse SAND, some gravel, loose, non-cohesive, poorly-sorted, no visual impacts, no odors. (SW)					
				140	140.0: End of boring.				-130	

Legend: Physical Observations

- None
- Stain
- Lenses, Grain Coatings and Blebs
- Interbedded Tar Layers
- Tar Saturated

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan Corporation PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 1 of 2 CGSB-31

BORING ID:	CGSB-31	LOCATION:	Smith & 5th Street
GROUND SURFACE ELEVATION (FT):	19.40	TOTAL DEPTH (FT):	48.00
NORTHING: 631569.83 EASTING: 671545.51		VERT. DATUM:	NAVD 88
DRILLED BY: Prosonic Ben Grim		HOR. DATUM:	NAD83 NY East Zone
LOGGED BY: L. Willey		DATE START / END:	12/22/2004 - 12/22/2004

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	4.0	3.0	0.0					0 - 4 brown fine SAND, trace-little fill, concrete and asphalt chunks, coarse gravel, dry, non-cohesive, non-plastic, loose, no odors or visual impacts.
4	S2	4.0	2.0	0.0					4 - 8 brown fine SAND, traces of silt, traces of fine gravel, moist, non-cohesive, non-plastic, no odors or visual impacts.
8	S3	10.0	2.8	0.0			NLO		8 - 10.75 brown fine SAND, traces of silt, traces of fine gravel, moist, non-cohesive, non-plastic, sweet odor napthalene-like, no visual impacts.
18	S4	10.0	8.5	801.0			NLO		18 - 20 very wet, brown fine SAND and SILT, very soft, moderate napthalene-like odor, no visual impacts.
20								CGSB-31 20-21	20 - 26 very wet, brown fine SAND and SILT, very soft, moderate to strong napthalene-like odor, sheen.
22				31.9			NLO		

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)
NM = NOT MEASURED

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO= NAPHTHALENE LIKE ODOR
PLO= PETROLEUM LIKE ODOR
TLO= TAR LIKE ODOR
CLO= CHEMICAL LIKE ODOR
MLO = MUSTY LIKE ODOR
CrLO= CREOSOTE LIKE ODOR
OLO= ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
ALO = ASPHALT LIKE ODOR

Tar Saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan Corporation	BORING LOG
	PROJECT NAME: Nassau Gas Works	PAGE 2 of 2
	CITY/STATE: Brooklyn, New York	CGSB-31
	GEI PROJECT NUMBER: 982482-10	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
24									
26									26 - 30 very wet, brown fine to medium SAND, non-cohesive, non-plastic, loose, soft, moderate napthalene-like odor, no visual impacts.
28							NLO		
30				38			NLO	CGSB-31 30-30.5	30 - 30.5 damp, black PEAT and SILT, cohesive, non-plastic, trace wood fragements, moderate napthalene-like odor, no visual impacts.
32	S5	8.0	4.5	0.0			OLO		30.5 - 31 gray SILT and fine SAND, little clay, cohesive, moist, non-plastic, no odor or visual impacts.
34				0.5					31 - 33.5 gray fine SAND and SILT, cohesive, non-plastic, very dense, traces of glass fragments, moist, organic-like odor, no visual impacts.
36									33.5 - 35 brown fine SAND and SILT, cohesive, non-plastic, moderately dense, moist, no odor or visual impacts.
38				0.0					35 - 39 brown-gray fine-medium SAND, moist, traces of silt, well-sorted, loose, no odor or visual impacts.
40	S6	9.0	11.0	0.0					39 - 40 gray fine-medium SAND, moist, traces of silt, well-sorted, loose, no odor or visual impacts.
42									40 - 43.5 brown fine SAND, moist-wet, traces of silt, moderately dense, cohesive, no odors or visual impacts.
44							CLO	CGSB-31 47-47.5	43.5 - 48 brown light-brown, fine-medium SAND, little silt, little fine and coarse gravel, cohesive, moderately dense, moist, slight chemical-like odor, no visual impacts.
46				0.0					
48									END OF BORING AT 48 FEET.

NOTES:

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OLO= ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
ALO = ASPHALT LIKE ODOR

Tar Saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 1 of 6	CGSB-32/CGMW-17

BORING ID:	CGSB-32/CGMW-17	LOCATION:	Smith & 5th Street
GROUND SURFACE ELEVATION (FT):	22.51	TOTAL DEPTH (FT):	138.00
NORTHING: 631626.9 EASTING: 671710.78		VERT. DATUM:	NAVD 88
DRILLED BY: Prosonic Ben Grim		HOR. DATUM:	NAD83 NY East Zone
LOGGED BY: M. Felter		DATE START / END:	1/27/2005 - 1/28/2005

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
0	S1	4.0	3.5	1.0					0 - 1 white and gray, dry rock powder, FILL, some sand and fine gravel, loose, non-cohesive, poorly sorted, no odor or visual impacts.	
2									1 - 4 moist, brown FILL, fine-medium SAND, some fines, fine gravel, clay lens at 2.5 feet, loose, non-cohesive, poorly sorted, no odor or visual impacts.	
4	S2	4.0	2.5	1.3						
6									4 - 8 moist, brown FILL, fine-medium SAND, some fines, little fine-medium gravel, loose, non-cohesive, poorly sorted, no odors or visual impacts.	
8	S3	10.0	8.5	0.9					8 - 18 moist, brown FILL, fine-medium SAND, some fines, little fine-medium gravel, loose, non-cohesive, poorly sorted, no odors or visual impacts.	
10										
12				0.8						
14										
16										
18	S4	10.0	7.5	0.6					18 - 28 very wet, brown fine-medium SAND, some fines, trace coarse sand, trace fine-medium gravel, moderatly dense, non-cohesive, poorly sorted, no odors or visual impacts.	
20										

NOTES:

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PLO= PETROLEUM LIKE ODOR
TLO= TAR LIKE ODOR
CLO= CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR
CrLO= CREOSOTE LIKE ODOR
OLO= ORGANIC LIKE ODOR
SLO= SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

Tar saturated
Staining and sheen
Tar Lenses and tar/naptha odor
Blebs, globs, lenses, grain-coating, sheen
Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 2 of 6	CGSB-32/CGMW-17

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
22				1						
24										
26										
28	S5	10.0	7.5	31.7					28 - 29.5 very wet, brown fine-medium SAND, some fines, trace coarse sand, trace fine-medium gravel, moderatly dense, non-cohesive, poorly sorted, no odors or visual impacts.	
30							NLO	CGSB-32 29.5-30	29.5 - 30 dry, black stained (organic), fine SAND and SILT, trace organics (roots), dense, non-cohesive, well sorted, faint napthalene odor, no visual impacts.	
32				0.8						
34							NLO		30 - 38 wet, brownish gray fine-medium SAND, some fines, some fine-medium gravel, dense, moderatly cohesive, poorly sorted, no visual impacts, faint naphthalene odor.	
36										
38	S6	10.0	10.5	0.7					38 - 45 wet, brown TILL, SILT, some sand, little fine-medium gravel, trace cobbles, dense, moderatly cohesive, poorly sorted, faint to moderate naphthalene odors, no visual impacts.	
40							NLO			
42										
44										

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
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PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)
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ppm = PARTS PER MILLION
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NLO= NAPHTHALENE LIKE ODOR
PLO= PETROLEUM LIKE ODOR
TLO= TAR LIKE ODOR
CLO= CHEMICAL LIKE ODOR
ALO – ASPHALT LIKE ODOR
CrLO= CREOSOTE LIKE ODOR
OLO= ORGANIC LIKE ODOR
SLO= SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

Tar saturated
Staining and sheen
Tar Lenses and tar/naptha odor
Blebs, globs, lenses, grain-coating, sheen
Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 3 of 6	CGSB-32/CGMW-17

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
46				1.2			NLO	CGSB-32 45.5-46.5	45 - 47 wet, brown medium SAND, trace fines, some fine-medium gravel, trace cobbles, strong naphthalene odor, no visual impacts.	
48							NLO		47 - 48 wet, reddish brown fine-medium SAND, trace fines, loose, non-cohesive, well-sorted, moderate naphthalene odor, no visual impacts.	
50	S7	10.0	11.5	0.3			NLO		48 - 55 wet, brown medium SAND, some fines, loose, non-cohesive, well-sorted, moderate to strong naphthalene odor, no visual impacts.	
52										
54										
56				1.5			NLO		55 - 57 wet, brown fine SAND, some fines, loose, non-cohesive, well-sorted, moderate naphthalene odor, no visual impacts.	
58							NLO		57 - 58 wet, brown medium SAND, some fines, loose, non-cohesive, well-sorted, moderate to strong naphthalene odor, no visual impacts.	
60	S8	10.0	10.0	1.0			NLO		58 - 68 wet, brown medium SAND, some fines, loose, non-cohesive, well-sorted, moderate to strong naphthalene odor, no visual impacts.	
62										
64										
66				0.9						
68	S9	10.0	11.0	1.5					68 - 69 wet, brownish gray fine-medium SAND, trace fines, trace gravel, loose, non-cohesive, well sorted, no odors, no visual impacts.	

NOTES:

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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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Tar saturated
Staining and sheen
Tar Lenses and tar/naptha odor
Blebs, globs, lenses, grain-coating, sheen
Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 4 of 6 CGSB-32/CGMW-17

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
70							NLO		69 - 78 wet, brownish gray fine-medium SAND, trace fines, trace gravel, loose, non-cohesive, well sorted, faint to moderate naphthalene odor, no visual impacts.	
72										
74										
76				3.1						
78	S10	20.0	24.0	1.2					78 - 80 wet, brownish gray fine-medium SAND, some fines, loose, non-cohesive, well sorted, no odors or no visual impacts.	
80							NLO		80 - 90 wet, brownish gray fine-medium SAND, some fines, loose, non-cohesive, well sorted, faint naphthalene odor, no visual impacts.	
82										
84				1.4						
86										
88				0.8						
90									90 - 98 wet, brownish gray fine-medium SAND, some fines, loose, non-cohesive, well sorted, no odors or no visual impacts.	
92										

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 5 of 6
	CITY/STATE: Brooklyn, New York	CGSB-32/CGMW-17
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
94				0						
96										
98	S11	20.0		1.5					98 - 118 wet, brownish gray fine SAND, some fines, some medium sand, loose, non-cohesive, well sorted, no visual impacts or odors.	
100										
102										
104										
106										
108				0.7						
110				1						
112										
114										
116										

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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 6 of 6	CGSB-32/CGMW-17

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
118	S12	20.0	29.0	0.8 0.5				CGSB-32 126-126.5	118 - 130 wet, brownish gray fine-medium SAND, trace fines, some well rounded gravel, non-cohesive, very loose, no odor or visual impacts.	
120										
122										
124										
126				1.2						
128										
130				1.5					130 - 137 moist, gray CLAY, very dense, cohesive, (135-137 feet) some shells, no odor or visual impacts	
132										
134										
136									137 - 138 wet, brown fine-coarse SAND, coarse sand and fine gravel, trace fines, non-cohesive, poorly sorted, loose, no odor or visual impacts.	
138				1					END OF BORING 138 FEET	

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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants	CLIENT: KeySpan Corporation	BORING LOG
GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	PAGE 1 of 2 CGSB-33

BORING ID:	CGSB-33	LOCATION:	Smith & 5th Street
GROUND SURFACE ELEVATION (FT):	28.65	TOTAL DEPTH (FT):	48.00
NORTHING: 631699.76 EASTING: 671924.17		VERT. DATUM:	NAVD 88
DRILLED BY: Prosonic Ben Grim		HOR. DATUM:	NAD83 NY East Zone
LOGGED BY: M. Felter		DATE START / END:	1/4/2005 - 1/4/2005

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	4.0	2.4	0.0					2 - 4 moist, brown FILL, fine-medium SAND, some fines, some fine-medium gravel, loose, non-cohesive, poorly sorted, no odor or visual impacts.
4	S2	4.0	2.5	0.0					4 - 6 moist, brown FILL, fine-medium SAND, some fines, some fine-medium gravel, loose, non-cohesive, poorly sorted, no odor or visual impacts. 6 - 8 moist, brown FILL, fine SAND, some fines, loose, non-cohesive, well sorted, no odor or visual impacts.
8	S3	10.0	6.0	0.0					8 - 18 moist, brown FILL, fine SAND, some fines, loose, non-cohesive, well sorted, no odor or visual impacts.
18	S4	10.0	4.0	0.0					18 - 19.5 moist, brown FILL, fine SAND, some fines, loose, non-cohesive, well sorted, no odor or visual impacts. 19.5 - 22.5 moist, brown FILL, fine SAND, some fines, some fine-medium gravel, traces of brick, dense, cohesive, poorly sorted, no odors or visual impacts.

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Tar Saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan Corporation	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 2 of 2
	CITY/STATE: Brooklyn, New York	CGSB-33
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
24				137			PLO	CGSB-33 22.5-23	22.5 - 28 wet, gray medium SAND, FILL, traces of fines, little fine gravel, traces of brick, loose, non-cohesive, poorly sorted, sheen, moderate petroleum-like odor, gray rock fragments in shoe, wet, sheen.
26									
28	S5	10.0	7.5	203.0			PLO	CGSB-33 29-29.5	28 - 30 wet, gray-brown medium-coarse SAND, some fine-medium gravel, traces of fines, loose, non-cohesive, poorly sorted, moderate petroleum-like odor, sheen, yellowish-green sheen on water.
30							PLO		30 - 34 wet, gray-brown fine-coarse SAND, some fine gravel, traces of fines, loose, non-cohesive, poorly sorted, slight petroleum-like odor, no visual impacts.
32									
34									34 - 38 wet, gray-brown fine-coarse SAND, some fine gravel, traces of fines, loose, non-cohesive, poorly sorted, no odors or visual impacts.
36				6.3					
38	S6	10.0	10.0	5.2				CGSB-33 47-48	38 - 48 wet, brown fine-medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts.
40									
42									
44									
46									
48				5.3					END OF BORING AT 48 FEET.

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Tar Saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 1 of 3 CGSB-39/CGMW-18

BORING ID:	CGSB-39/CGMW-18	LOCATION:	Smith & 5th Street
GROUND SURFACE ELEVATION (FT):	14.33	TOTAL DEPTH (FT):	78.00
NORTHING: 632393.33 EASTING: 671911.98		VERT. DATUM:	NAVD 88
DRILLED BY: Prosonic Ben Grim		HOR. DATUM:	NAD83 NY East Zone
LOGGED BY: M. Felter		DATE START / END:	2/3/2005 - 2/3/2005

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
0	S1	4.0	3.0	0.0					0 - 4 moist, brown FILL, fine SAND, some fines, trace medium sand and fine gravel, trace brick, some asphalt, no odors or visual impacts.	
4	S2	4.0	4.0	1.3					4 - 8 moist, brown to reddish brown FILL, fine SAND and SILT, varved, some medium sand, trace fine-medium gravel, moderatly dense, cohesive, poorly sorted, no odors or visual impacts.	
8	S3	10.0	10.5	5.8					8 - 17 wet brown FILL, fine-medium SAND, some fine-coarse gravel, some fines, trace bricks, trace wood, loose, non-cohesive, no odor or visual impacts.	
16				62.1			SLO	CGSB-39 17.5-18	17 - 18 moist, dark brown PEAT, dense, cohesive, strong organic and sewage odor, no visual impacts.	
18	S4	10.0	12.5	1590.0			OLO		18 - 19 wet, grayish brown fine-medium SAND, trace fines, some organics, loose, non-cohesive, organic odor, no visual impacts.	
20							OLO		19 - 21 moist, dark brown PEAT, dense, cohesive, strong organic odor, no visual impacts.	
22							NLO		21 - 24 wet, grayish brown fine-medium SAND, trace fine gravel,	

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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 2 of 3 CGSB-39/CGMW-18

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
24								CGSB-39 27-27.5	loose, non-cohesive, well-sorted, strong naphthalene odor, heavy sheen.	
26							NLO		24 - 28 wet brown medium-coarse SAND, trace fines, loose, non-cohesive, well-sorted, strong naphthalene odor, no visual impacts.	
28	S5	10.0	13.0	9999+ 53.7					28 - 35 wet, brown medium-coarse SAND, some fine-coarse gravel, trace fines, loose, poorly sorted, strong naphthalene odor, no visual impacts.	
30				9999+			NLO			
32										
34										
36							NLO		35 - 38 wet, reddish brown TILL, fine SAND and SILT, little fine-coarse gravel, dense, cohesive, poorly sorted, faint naphthalene odor, slight sheen.	
38	S6	10.0	10.0	26.0					38 - 48 wet, reddish brown TILL, fine SAND and SILT, little fine-coarse gravel, dense, cohesive, poorly sorted, no odor or visual impacts.	
40										
42				0.0						
44										
46										
48	S7	10.0	8.5	0.0					48 - 53 very wet, reddish brown TILL, fine SAND and SILT, little fine-coarse gravel, dense, cohesive, poorly sorted, very faint naphthalene odor, no visual impacts.	
50							NLO			

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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 3 of 3
	CITY/STATE: Brooklyn, New York	CGSB-39/CGMW-18
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
52										
54				0.0					53 - 58 wet, brownish gray, medium-coarse SAND, trace fines, loose, non-cohesive, well-sorted, no odor or visual impacts.	
56										
58	S8	10.0	12.0	0.0					58 - 64 wet, brownish gray medium-coarse SAND, trace fines, loose, non-cohesive, well-sorted, no odor or visual impacts.	
60										
62										
64									64 - 68 wet, brownish gray fine SAND, some silt, loose, non-cohesive, well-sorted, no odor or visual impacts.	
66				0.0						
68	S9	10.0	10.0	0.0				CGSB-39 77-78	68 - 78 wet, brownish gray medium SAND, trace fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
70										
72										
74										
76										
78				0.0					END OF BORING 78 FEET	

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Tar saturated

Staining and sheen

Tar Lenses and tar/naptha odor

Blebs, globs, lenses, grain-coating, sheen

Petroleum sheen/ staining odors

GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, CT 06033

CLIENT: KeySpan Corporation
PROJECT NAME: Carroll Gardens/Public Place
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 982482 - 8

BORING LOG
PAGE 1 of 2
CGSB-42

BORING ID: CGSB-42
GROUND SURFACE ELEVATION (FT): 16.35
NORTHING: 632462.73 **EASTING:** 671956.85
DRILLED BY: Prosonic Ben Grim
LOGGED BY: M. Felter

LOCATION: Smith & 5th Street
TOTAL DEPTH (FT): 58.00
VERT. DATUM: NAVD 88
HOR. DATUM: NAD83 NY East Zone
DATE START / END: 12/17/2004 - 12/17/2004

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	8.0	3.5	0.0					0 - 8 moist, brown, FILL, SILT and fine-medium SAND, few gravel, traces of brick, moderately dense, non-cohesive, poorly sorted, no odors or visual impacts.
8	S2	10.0	4.5	0.0					10 - 11.5 moist, brown, FILL, SILT and fine-medium SAND, few gravel, traces of brick, moderately dense, non-cohesive, poorly sorted, no odors or visual impacts.
12									11.5 - 11.75 moist, black FILL, fine sand and coal, loose, non-cohesive, no odors or visual impacts.
14									11.75 - 18 moist, grayish-brown FILL, fine-medium SAND, some fines, some gravel, loose, non-cohesive, poorly sorted, no odors or visual impacts.
16				6.4					
18	S3	10.0	4.5	515.0			NLO	CGSB-42 25-26	18 - 21 moist, brown PEAT, dense, cohesive, moderately mixed organic and napthalene-like odor, no visual impacts.
20									
22							NLO		21 - 24 wet, brownish-gray fine SAND, some fines, traces of fine gravel, loose, non-cohesive, well-sorted, faint napthalene-like odor, no visual impacts.
24									24 - 28 wet, brownish-gray fine SAND, some fines, traces of fine gravel, loose, non-cohesive, well-sorted, no odors or visual impacts.
26				13.2					

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan Corporation	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 2 of 2
	CITY/STATE: Brooklyn, New York	CGSB-42
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
28	S4	10.0	8.0	122.0			OLO		28 - 34 very wet, gray fine-medium SAND, traces of fines, (at 30.5 feet) 2 inch layer of PEAT, very loose, non-cohesive, well-sorted, very slight sheen, faint organic odor.
30									
32									
34							NLO		34 - 38 wet, brown, medium SAND, some fines, trace fine gravel, loose, non-cohesive, well-sorted, slight napthalene-like odor, no visual impacts.
36				180					
38	S5	10.0	6.5	420.0			NLO	CGSB-42 40-40.5	38 - 46.5 moist, brown TILL, fine-medium SAND and SILT, some gravel, dense, moderately cohesive, slight-moderate napthalene-like odor, no visual impacts.
40									
42									
44									
46							NLO		46.5 - 48 moist, gray medium-coarse SAND, traces of fines, some gravel, loose, non-cohesive, slight napthalene-like odor, no visual impacts.
48	S6	10.0	8.0	112.0			NLO		48 - 54 wet, brown medium-coarse SAND, traces of fines, (53-54 feet) traces of gravel, slight napthalene-like odor, no visual impacts.
50									
52									
54									54 - 55 moist, brown TILL, SILT and fine SAND, some fine gravel, dense, cohesive, no odors or visual impacts.
56				1.6				CGSB-42 55.5-56	55 - 58 wet, brown medium SAND, little coarse sand, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts.
58									END OF BORING AT 58 FEET.

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 1 of 5 CGSB-43/CGMW-12

BORING ID:	CGSB-43/CGMW-12	**LOCATION:**	Smith & 5th Street
GROUND SURFACE ELEVATION (FT):	9.39	**TOTAL DEPTH (FT):**	108.00
NORTHING:	632686.36 **EASTING:** 671816.8	**VERT. DATUM:**	NAVD 88
DRILLED BY:	Prosonic Ben Grim	**HOR. DATUM:**	NAD83 NY East Zone
LOGGED BY:	M. Felter	**DATE START / END:**	12/16/2004 - 12/16/2004

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
0	S1	4.0	2.5	1.0					0 - 0.05 GRAVEL and ASPHALT.	
2									0.5 - 2 wet, brown and black FILL, gravel and sand, some fines, loose, non-cohesive, poorly sorted, no odor or visual impacts.	
4	S2	4.0	4.0	0.5					2 - 4 wet, brown FILL, fine-medium sand, traces of gravel and fines, loose, non-cohesive, poorly sorted, no odor or visual impacts.	
6							PLO		4 - 6.5 wet, brown FILL, fine-medium sand, traces of gravel and fines, some brick, loose, non-cohesive, poorly sorted, no odor or visual impacts.	
8	S3	10.0	7.5	1.5					6.5 - 7 moist, dark brown, FILL, CLAY and SILT, varved, dense, cohesive, moderate organic-like odor, no visual impacts.	
10									7 - 8 wet, brown FILL, medium SAND, some fines, traces of brick, loose, slightly cohesive, no odor or visual impacts.	
12									8 - 10 wet, brown FILL, medium SAND, traces of fine gravel, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
14									10 - 10.5 wet, brown FILL, CLAY and COBBLE, dense, cohesive, no odor or visual impacts.	
16				0.3					10.5 - 18 wet, brown to gray-brown FILL, fine-medium SAND, some fine gravel and brick, some fines, loose, non-cohesive, poorly sorted, no odors or visual impacts.	
18	S4	10.0	11.0	0.2				CGSB-43 19.5-20	18 - 18.5 wet, brown fine-medium SAND, loose, non-cohesive, well-sorted, some	

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TLO= TAR LIKE ODOR
CLO= CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO= ORGANIC LIKE ODOR
SLO= SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 2 of 5
	CITY/STATE: Brooklyn, New York	CGSB-43/CGMW-12
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
20									fines, no odor or visual impacts.	
22									18.5 - 25.5 moist, gray CLAY, traces of wood, dense, cohesive, well-sorted, no odor or visual impacts.	
24										
26				0.5					25.5 - 28 moist, brown PEAT, some fine sand and silt, dense, cohesive, no odor or visual impacts.	
28	S5	10.0	8.0	0.2					28 - 30.5 wet, brown fine SAND, some fines, traces of gravel, moderately dense, non-cohesive, no odor or visual impacts.	
30							PLO		30.5 - 31 moist, black CLAY, dense, cohesive, moderate organic-like odors, no visual impacts.	
32									31 - 33 wet, brown SILT and fine SAND, few gravel, moderately dense, cohesive, no odors or visual impacts.	
34									33 - 38 wet, bown medium-coarse SAND, traces of fines, traces of gravel, loose, non-cohesive, no odor or visual impacts.	
36				0.3						
38	S6	10.0	12.0	0.5					38 - 43 wet, brown fine-medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
40										

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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 3 of 5 CGSB-43/CGMW-12

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
42									43 - 46 wet, brown, SILT and fine SAND, dense, non-cohesive, no odors or visual impacts.	
44				0.3						
46									46 - 48 wet, brown fine-medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
48	S7	10.0	10.0	0.3					48 - 57 wet, brown fine-medium SAND, some fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
50										
52										
54										
56									57 - 58 wet, brown fine-medium SAND, some fines, loose, non-cohesive, well-sorted, traces of gravel, napthalene-like odor, no visual impacts.	
				46			NLO	CGSB-43 57-57.5		
58	S8	10.0	2.0	23.0					58 - 68 wet, brown fine-medium SAND, some fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
60										
62										
64										

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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants	CLIENT: KeySpan	BORING LOG
GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	PAGE 4 of 5 CGSB-43/CGMW-12

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
66										
68	S9	10.0	12.0	0.3					68 - 77 wet, brown TILL, fine SAND and SILT, some medium-coarse sand, some fine-medium gravel, dense, cohesive, no odor or visual impacts.	
70										
72										
74										
76										
				0.8					77 - 78 wet, brown medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odor or visual impacts.	
78	S10	10.0	10.5	0.3					78 - 88 wet, brown medium SAND, some traces of coarse sand, traces of fines, (78-81 feet) traces of fine-coarse gravel, loose, non-cohesive, well-sorted, no odor or visual impacts.	
80										
82										
84										
86										
				0.1						

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 5 of 5 CGSB-43/CGMW-12

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
88	S11	10.0	10.0	0.1					88 - 98 wet, brown fine-medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
90										
92										
94				0.6						
96										
98	S12	10.0	9.5	0.4				CGSB-43 101.5-102	98 - 108 wet, brown fine-medium SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
100										
102										
104										
106										
108				0.3					END OF BORING AT 108 FEET.	

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 1 of 4	CGSB-44/CGMW-11

BORING ID:	CGSB-44/CGMW-11	LOCATION:	Smith & 5th Street
GROUND SURFACE ELEVATION (FT):	5.86	TOTAL DEPTH (FT):	108.00
NORTHING: 632889.65	EASTING: 671670.33	VERT. DATUM:	NAVD 88
DRILLED BY:	Prosonic Ben Grim	HOR. DATUM:	NAD83 NY East Zone
LOGGED BY:	M. Felter	DATE START / END:	12/14/2004 - 12/14/2004

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
0	S1	4.0	2.0	2.7					0 - 4 moist, brown FILL, fine-coarse SAND, some gravel, some fines, asphalt, loose, non-cohesive, poorly sorted, no odor or visual impacts.	
2										
4	S2	4.0	1.0	2.2					4 - 8 wet, brown FILL, fine SAND, some fines, little fine gravel, moderately dense, moderately cohesive, no odor or visual impacts.	
6										
8	S3	10.0	12.5	10.0					8 - 9.5 wet, brown, fine SAND, some fines, trace gravel, trace layers of organic clay, no odors or visual impacts.	
10							NLO		9.5 - 10.5 wet, brown, fine SAND, some fines, trace gravel, trace layers of organic clay, sheen, very slight napthalene-like odor.	
12				8.6					10.5 - 18 wet, gray CLAY, some roots, traces of shells, traces of fine sand and silt, soft, cohesive, no odor or visual impacts.	
14										
16										
18	S4	10.0	11.5	77.2					18 - 19 wet, gray CLAY, some roots, traces of shells, traces of fine sand and silt, soft, cohesive, no odor or visual impacts.	
20							OSN		19 - 22.5 wet, fine-coarse SAND, brown, some silt and clay, very loose, non-cohesive, poorly sorted, traces of organics, moderate sewage-like odor, faint napthalene-like odor, slight sheen.	
22										
24									22.5 - 28 moist grayish-brown CLAY, some silt and fine sand,	

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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 2 of 4 CGSB-44/CGMW-11

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
26									traces of organics, no odor or visual impacts.	
				3.4					28 - 29 wet, gray medium SAND, traces of fines, gravel and organics, loose, non-cohesive, no odor or visual impacts.	
28	S5	10.0	10.0	148.0						
30							TLO	CGSB-44 32.5-33	29 - 35 wet, brown fine-medium SAND, well-sorted, loose, non-cohesive, strong tar-like odor, moderately coated with tar, traces of tar saturated veins.	
32										
34										
36							TLO		35 - 38 moist, brown fine SAND and SILT, well-sorted, loose, non-cohesive, strong tar-like odor, tar stained with trace blebs and sheen.	
				71.1						
38	S6	10.0	8.5	165.0			TLO		38 - 39 wet, brown fine SAND, traces of fines, loose, non-cohesive, well-sorted, strong tar-like odors, sheen and blebs in water.	
40							TLO		39 - 45 wet, brown fine SAND and SILT, moderately dense, non-cohesive, well-sorted, blebs and sheen, strong tar-like odor.	
42										
44									45 - 45.5 wet, brown medium SAND, some fines, loose, non-cohesive, well-sorted, traces of sheen, lens of moderately tar coated grains, tar-like odor.	
				233			TLO	CGSB-44 45-45.5		
46									45.5 - 48 wet, brown medium SAND, some fines, loose, non-cohesive, well-sorted, trace sheen.	
48	S7	10.0	10.0	38.0						
50									48 - 58 wet, brown fine-coarse SAND, traces of fines, loose, non-cohesive, well-sorted, moderate napthalene-like odor, lightly stained.	
52										

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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 3 of 4	CGSB-44/CGMW-11

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
54							NLO			
56				56.5						
58	S8	10.0	10.0	21.5			TLO		58 - 60 very wet, medium SAND, loose, non-cohesive, well-sorted, tar coated, blebs, strong tar-like odor.	
60							NLO		60 - 62 wet, brown fine SAND, some fines, dense, non-cohesive, well-sorted, moderate-faint napthalene-like odor, blebs.	
62							NLO		62 - 65 wet, brown fine SAND, some fines, dense, non-cohesive, well-sorted, moderate-faint napthalene-like odor, slight sheen.	
64										
66				1.9			NLO		65 - 68 wet, brown fine SAND, some fines, dense, non-cohesive, well-sorted, moderate-faint napthalene-like odor, no visual impacts.	
68	S9	10.0	7.0	32.9			NLO		68 - 72 wet, reddish-brown TILL, SILT and fine SAND, some gravel, traces of cobbles, dense, slightly cohesive, poorly sorted, tar blebs on outside of core, traces of sheen inside, slight napthalene-like odor.	
70										
72				3.9					72 - 78 wet, reddish-brown TILL, SILT and fine SAND, some gravel, traces of cobbles, dense, slightly cohesive, poorly sorted, no odors or visual impacts.	
74										
76										
78	S10	10.0	8.5	2.5					78 - 83.5 wet, brown fine-coarse SAND, some silt, some gravel, traces of cobbles, dense, non-cohesive, poorly sorted, no odors or visual impacts.	
80										

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 4 of 4
	CITY/STATE: Brooklyn, New York	CGSB-44/CGMW-11
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
82									83.5 - 84.5 wet, brown medium-coarse SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
84										
86				1					84.5 - 88 wet, brown fine-coarse SAND, some silt, some gravel, traces of cobbles, dense, non-cohesive, poorly sorted, no odors or visual impacts.	
88	S11	10.0	11.0	1.8					88 - 89.5 wet, brown medium-coarse SAND, traces of fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
90									89.5 - 98 wet, brown fine-coarse SAND, some silt, some fine-coarse gravel, traces of cobble, loose, non-cohesive, poorly sorted, no odors or visual impacts.	
92										
94										
96				1.8						
98	S12	10.0	8.0	1.8				CGSB-44 98.5-99	98 - 103.5 wet, brown coarse SAND and GRAVEL, traces of fines, dense, non-cohesive, poorly sorted, no odors or visual impacts.	
100										
102										
104				1.3					103.5 - 108 wet, brown SILT and fine-medium SAND, traces of gravel, dense, slightly cohesive, no odors or visual impacts.	
106										
108									END OF BORING AT 108 FEET.	

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 1 of 9 CGSB-48/CGMW-16

BORING ID:	CGSB-48/CGMW-16	**LOCATION:**	Smith & 5th Street
GROUND SURFACE ELEVATION (FT):	6.64	**TOTAL DEPTH (FT):**	164.00
NORTHING:	632501.52 **EASTING:** 671286.89	**VERT. DATUM:**	NAVD 88
DRILLED BY:	Prosonic Ben Grim	**HOR. DATUM:**	NAD83 NY East Zone
LOGGED BY:	M. Felter	**DATE START / END:**	1/21/2005 - 1/24/2005

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPRESSIONS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
0	S1	8.0	5.5	0.4					0 - 7 moist to wet, black FILL, fine-medium SAND, trace fines, some fine gravel, trace wood fragments, loose, non-cohesive, poorly sorted, no odor or visual impacts.	
2										
4										
6									7 - 8 wet, gray FILL, fine-medium SAND, trace fine gravel, loose, non-cohesive, well sorted, no odor or visual impacts.	
8	S2	10.0	13.0	0.6			SLO		8 - 13 wet, gray to black FILL, fine-medium SAND, trace fines, some fine gravel, trace wood fragments, loose, non-cohesive, poorly sorted, strong sewage odor, no visual impacts.	
10										
12							SLO		13 - 13.5 moist, gray SILT, dense, cohesive, trace clay, sewage odor, no visual impacts.	
14							SLO		13.5 - 14.5 wet, gray CLAY, some organics, fine sand, cohesive, sewage odor, no visual impacts.	
16							SLO		14.5 - 15 PEAT sewage odor, no visual impacts.	

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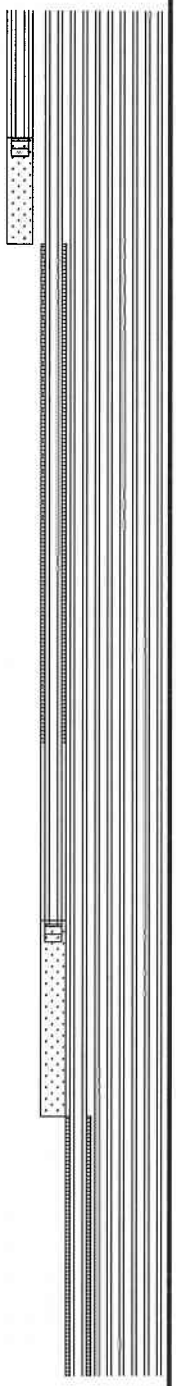
Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants	CLIENT: KeySpan	BORING LOG
GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	PAGE 2 of 9 CGSB-48/CGMW-16

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA / VISUAL IMPACTS / ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
18				0.4	SLO		15 -16.5 wet, gray CLAY, some organics, fine sand, cohesive, sewage odor, no visual impacts.	
	S3	10.0	10.0	122.0	SLO		16.5 - 18 moist, brown CLAY, some silt, organics, fine sand, loose, sewage odor, no visual impacts.	
20					TLO		18 - 20 moist, brown CLAY, some silt, organics, fine sand, loose, sewage odor, no visual impacts.	
					TLO		20 - 21 wet, gray CLAY, some silt, and fine sand, dense, cohesive, sheen, strong tar odor.	
22					TLO	CGSB-48 22-22.5	21 - 22 wet, gray fine-medium SAND, trace fines, loose, non-cohesive, well sorted, tar coated with saturated lenses, sheen.	
24					TLO		22 - 22.5 wet, gray fine-medium SAND, trace fines, loose, non-cohesive, well sorted, tar saturated.	
					TLO		22.5 - 25 wet, gray fine-medium SAND, trace fines, loose, non-cohesive, well sorted, tar coated with saturated lenses, sheen.	
26				26.2			25 - 25.5 wet, gray CLAY, some silt, some fine sand, dense, cohesive, no visual impacts.	
28	S4	10.0	11.0	0.9	TLO		25.5 - 26 wet, gray CLAY, some silt, some fine sand, dense, cohesive, thin tar lens.	
30					TLO		26 - 28 wet, gray CLAY, some silt, some fine sand, dense, cohesive, no visual impacts.	
					TLO		28 - 30 wet, brownish gray medium SAND, trace silt lenses, loose, non-cohesive, well sorted, strong tar odor, sheen.	
32					TLO	CGSB-48 33.5-34	30 - 33 wet, brownish gray medium SAND, trace silt lenses, loose, non-cohesive, well sorted, tar stained, blebs, sheen, strong tar odor.	
34				1012	TLO		33 - 34.5 wet, brownish gray medium SAND, trace silt lenses, loose, non-cohesive, well sorted,	



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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants	CLIENT: KeySpan	BORING LOG
GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	PAGE 3 of 9 CGSB-48/CGMW-16

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
36							NLO		strong tar odor, heavily coated to saturated with tar. 34.5 - 38 wet, brown SILT, trace fine sand, dense, cohesive, spotty sheen, moderate naphthalene odor.	
38	S5	10.0	10.0	0.5			NLO		38 - 41 wet, brown SILT and fine SAND, trace clay, dense, cohesive, spotty sheen, faint naphthalene odors.	
40										
42									41 - 46.5 wet, brown SILT and fine SAND, trace clay, dense, cohesive, no odors or visual impacts.	
44										
46				0.1					46.5 - 48 wet, brown fine-medium SAND, trace fines, loose, non-cohesive, well sorted, no odors or visual impacts.	
48	S6	10.0	9.5	0.0			NLO		48 - 52 wet, brown fine-medium SAND, trace fines, loose, non-cohesive, well sorted, very spotty sheen, very faint naphthalene odor.	
50										
52									52 - 58 wet, brown SILT, some fine sand, dense, cohesive, no odors or visual impacts.	
54										

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	PAGE 4 of 9 CGSB-48/CGMW-16

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
56										
				0.0						
58	S7	10.0	10.0	0.5					58 - 68 wet, brown fine SAND and SILT, gray clay lens at 50.5 and 55.5, dense, slightly cohesive, well sorted, no odors or visual impacts.	
60										
62										
64										
				0.1						
66										
68	S8	10.0	4.5	1.8					68 - 70.5 wet, brown fine SAND, trace medium sand, some silt, loose, non-cohesive, well sorted, no odors or visual impacts.	
70									70.5 - 78 wet, brown fine SAND and SILT, dense, cohesive, well sorted, no odors or visual impacts.	
72										

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 5 of 9
	CITY/STATE: Brooklyn, New York	CGSB-48/CGMW-16
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
74										
76										
78	S9	10.0	14.5	0.0					78 - 81 wet, brown TILL, medium-coarse SAND, some silt, some fine-coarse gravel, dense, non-cohesive, poorly sorted, no odors or visual impacts.	
80										
82				0.7					81 - 88 wet, brown TILL, SILT, trace sand, some fine-medium gravel, dense, cohesive, no odors or visual impacts.	
84										
86										
88	S10	10.0	0.0						88 - 98 No recovery	
90										
92										

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GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, CT 06033

CLIENT: KeySpan
PROJECT NAME: Carroll Gardens/Public Place
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 982482 - 8

BORING LOG

PAGE 6 of 9

CGSB-48/CGMW-16

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
94										
96										
98	S11	20.0	0.0						98 - 118 No recovery	
100										
102										
104										
106										
108										
110										
112										

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 7 of 9 CGSB-48/CGMW-16

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
114										
116										
118	S12	20.0	14.5						118 - 126 wet, brown medium SAND, trace fines, coarse sand and fine gravel, loose, non-cohesive, poorly sorted, no odors or visual impacts.	
120				1						
122										
124				1.9						
126									126 - 130.5 moist, brown TILL, CLAY and SILT, some fine-coarse gravel, trace sand, dense, cohesive, poorly sorted, no odors or visual impacts.	
128				1.5						
130									130.5 - 131 dry, gray CLAY, trace silt, dense, cohesive, no odors or visual impacts.	
				1.4				CGSB-48 131-	131 - 138 wet, brown, medium	

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 8 of 9 CGSB-48/CGMW-16

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
132								132	to coarse SAND, some fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
134										
136										
138	S13	20.0	23.5						138 - 150 wet, brown coarse SAND and fine GRAVEL, some medium-fine sand, trace medium-coarse gravel, loose, non-cohesive, poorly sorted, no odors or visual impacts.	
140				0.6						
142										
144										
146				1.7						
148										
150									150 - 158 wet, brown medium	

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	PAGE 9 of 9 CGSB-48/CGMW-16

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
152				0.7					SAND, trace fines and coarse sand, loose, non-cohesive, well-sorted, no odors or visual impacts.	
154										
156										
				0.5						
158	S14	6.0	8.0	0.9					158 - 160 wet, brown medium SAND, trace fines and coarse sand, loose, non-cohesive, well-sorted, no odors or visual impacts.	
160									160 - 163 moist, gray SILT, some fine-medium gravel, trace cobble, dense, non-cohesive, poorly sorted, no odors or visual impacts.	
162				0.5						
164									163 - 164 dry, gray weathered bedrock, dense, non-cohesive, no odors or visual impacts. END OF BORING 164 FEET	

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 1 of 5 CGSB-49/CGMW-19

BORING ID:	CGSB-49/CGMW-19	LOCATION:	Smith & 5th Street
GROUND SURFACE ELEVATION (FT):	8.50	TOTAL DEPTH (FT):	128.00
NORTHING: 632365.46 EASTING: 670895.86		VERT. DATUM:	NAVD 88
DRILLED BY: Prosonic Ben Grim		HOR. DATUM:	NAD83 NY East Zone
LOGGED BY: M. Felter		DATE START / END:	2/6/2005 - 2/7/2005

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
0	S1	4.0	3.5	0.0					0 - 4 wet (drillers water), brown FILL, concrete fragments, medium-coarse sand, some gravel, trace fines, trace brick, loose, non-cohesive, poorly sorted, no odor or visual impacts.	
2										
4	S2	4.0	4.5	0.0					4 - 5.5 wet, brown FILL, concrete fragments, medium-coarse sand, some gravel, trace fines, trace brick, loose, non-cohesive, poorly sorted, no odor or visual impacts.	
6								CGSB-49 7.5-8		
8	S3	10.0	11.0	0.6					5.5 - 8 moist, black FILL, coarse SAND, some coal, trace wood fragments, loose, non-cohesive, poorly sorted, no odors or visual impacts.	
10							SLO		8 - 9 moist, black FILL, coarse SAND, some coal, trace wood fragments, loose, non-cohesive, poorly sorted, no odors or visual impacts.	
12								CGSB-49 13.5-14	9 - 12 wet, gray FILL, fine SAND, some clay, trace fine gravel, trace brick, dense, cohesive, moderate sewage odor, no visual impacts.	
14							SLO			
16									12 - 18 wet, gray CLAY, and brown PEAT, dense, cohesive, strong organic and sewage odors, no visual impacts.	
18	S4	10.0	11.0	1.9 1.0			SLO		18 - 19 moist, brown PEAT, dense, cohesive, strong organic and sewage odor, no visual impacts.	
20							SLO		19 - 23 wet, gray very fine SAND, some fines, dense, cohesive, moderate sewage odor, no visual impacts.	
22										

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 2 of 5
	CITY/STATE: Brooklyn, New York	CGSB-49/CGMW-19
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
24									23 - 28 wet, gray to brown medium SAND, trace fines, loose, non-cohesive, well-sorted, no odor or visual impacts.	
26				0.1						
28	S5	10.0	10.0	1.1					28 - 32 wet, gray to brown medium SAND, trace fines, loose, non-cohesive, well sorted, no odor or visual impacts.	
30										
32									32 - 37 wet, gray very fine SAND and SILT, dense, cohesive, no odors or visual impacts.	
34										
36				0.0					37 - 38 wet gray medium SAND, trace fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
38	S6	10.0	10.0	0.1					38 - 40.5 wet, brown medium SAND, some fines, loose, non-cohesive, poorly sorted, no odors or visual impacts.	
40										
42				0.0					40.5 - 48 wet, brown SILT, some fine sand, dense, cohesive, well-sorted, no odor or visual impacts.	
44										
46										
48	S7	10.0	5.0	0.0					48 - 58 very wet, reddish brown TILL, fine SAND, some fines, some fine-coarse gravel, loose, non-cohesive, no odors or visual	

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	PROJECT NAME: Carroll Gardens/Public Place	PAGE 3 of 5
	CITY/STATE: Brooklyn, New York	CGSB-49/CGMW-19
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
50									impacts.	
52										
54										
56										
58	S8	10.0	5.0	0.0					58 - 68 wet, reddish brown TILL, fine-medium SAND, some fine-coarse gravel, some fines, dense, non-cohesive, poorly sorted, no odors or visual impacts.	
60										
62										
64										
66										
68	S9	10.0	7.5	0.0					68 - 69 wet, reddish brown TILL, some fine-coarse GRAVEL, some sand and fines, dense, non-cohesive, poorly sorted, no odors or visual impacts.	
70									69 - 73 wet, TILL, SILT, reddish brown, some fine gravel, trace sand and clay, dense, moderately cohesive, no odors or visual impacts.	
72										
74				0.7					73 - 78 wet, brown medium SAND, trace fines, trace fine-coarse gravel, loose, non-cohesive, well-sorted, no odors or visual impacts.	
76										

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	PROJECT NAME: Carroll Gardens/Public Place	PAGE 4 of 5
	CITY/STATE: Brooklyn, New York	CGSB-49/CGMW-19
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
78	S10	10.0	10.0	0.0					78 - 80.5 wet, brown medium-coarse SAND, trace fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
80									80.5 - 86 wet, brown fine SAND, some fines, loose, non-cohesive, well-sorted, no odors or visual impacts.	
82										
84										
86				0.0					86 - 88 wet, brown coarse SAND and GRAVEL, loose, non-cohesive, poorly sorted, trace fines, no odor or visual impacts.	
88	S11	20.0	27.0	0.0					88 - 108 moist, reddish brown SILT, some clay, dense, cohesive, non plastic, no odors or visual impacts.	
90										
92										
94										
96				0.0						
98										
100										
102				0.0						

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104										
106				0.0						
108	S12	20.0	27.5	0.1					108 - 111 moist, reddish-brown CLAY, dense, cohesive, plastic, no odors or visual impacts.	
110										
112				0.1					111 - 117 wet, reddish-brown CLAY, some fine-medium sand, trace fine-coarse gravel, loose to moderately dense, cohesive, poorly sorted, no odors or visual impacts.	
114										
116				0.1				CGSB-49 117-118	117 - 118 wet, brown and gray fine-medium SAND, some fines, loose, non-cohesive, poorly sorted, no odors or visual impacts.	
118									118 - 128 moist, gray CLAY, (127-128 feet) some shells, dense, cohesive, plastic, no odors or visual impacts.	
120										
122				2.2						
124										
126										
128				0.1					END OF BORING 128 FEET	

NOTES:

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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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OLO= ORGANIC LIKE ODOR
SLO= SULFUR LIKE ODOR
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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan PROJECT NAME: Carroll Gardens/Public Place CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 982482 - 8	BORING LOG PAGE 1 of 4 CGSB-52/CGMW-22

BORING ID:	CGSB-52/CGMW-22	**LOCATION:**	Smith & 5th Street
GROUND SURFACE ELEVATION (FT):	6.05	**TOTAL DEPTH (FT):**	108.00
NORTHING:	631973.28 **EASTING:** 671002.23	**VERT. DATUM:**	NAVD 88
DRILLED BY:	Prosonic Ben Grim	**HOR. DATUM:**	NAD83 NY East Zone
LOGGED BY:	M. Felter	**DATE START / END:**	3/30/2005 - 3/30/2005

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
0									4 - 5 wet, FILL, brown to black cobbles, some fine to coarse gravel, some sand and fines, trace brick, dense, cohesive, slight weathered petroleum odor, sheen, black stained.	
2										
4	S1	1.0	1.0						5 - 6 wet, brown FILL, fine SAND, some fines, some fine to coarse gravel, dense, cohesive, black stained veins, sheen, slight weathered petroleum odor.	
6	S2	3.0	2.5	23.5			PLO	CGSB-52 6-6.5	6 - 8 wet, dark brown FILL, coarse SAND, trace fines, some fine to coarse gravel, loose, non-cohesive, poorly sorted, slight weathered petroleum odor, black stained, trace sheen.	
8	S3	10.0	10.0	14.1					8 - 12.5 wet, dark brown FILL, fine to medium SAND, some fine gravel, some fines, trace brick and wood, moderately cohesive, poorly sorted, dense, very slight weathered petroleum odor, no visual impacts.	
10										
12									12.5 - 13.5 wet, dark brown FILL, fine to medium SAND, some fine gravel, some fines, trace brick and wood, moderately cohesive, poorly sorted, dense, moderate petroleum odor, black stained, trace sheen.	
14							SLO			
16									13.5 - 18 wet, gray CLAY, some silt, trace fine sand, trace shells and wood fragments, dense, cohesive, plastic, slight sewage odor, no visual impacts.	
18	S4	10.0	8.5	11.0						
20									18 - 26 wet, gray CLAY, some silt, trace fine sand, trace shells and wood fragments, dense, cohesive, plastic, very slight sewage odor, no visual impacts.	
22							SLO			
24										

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Tar saturated | Staining and sheen | Tar Lenses and tar/naptha odor | Blebs, globs, lenses, grain-coating, sheen | Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 2 of 4
	CITY/STATE: Brooklyn, New York	CGSB-52/CGMW-22
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
26				6					26 - 28 wet, gray fine SAND, some silt, loose, non-cohesive, well-sorted, trace wood, no odors or visual impacts.	
28	S5	10.0	10.0	32.7				CGSB-52 34.5-35	28 - 32 wet, gray fine SAND, some silt, loose, non-cohesive, well-sorted, trace wood, no odors or visual impacts.	
30										
32				190			NLO		32 - 33.5 wet, gray fine SAND, some silt, loose, non-cohesive, well-sorted, trace wood, no visual impacts, slight naphthalene odor.	
34							TLO		33.5 - 35.5 wet, brown medium-coarse SAND, some fines, loose, non-cohesive, well-sorted, tar saturated, strong tar odor.	
36							TLO		35.5 - 38 wet, brown fine-medium SAND, some silt, dense, cohesive, tar saturated veins, sheens, strong tar odor.	
38	S6	10.0	8.0	4.0			NLO		38 - 45 wet, brown, fine SAND, some silt, moderately dense, non-cohesive, well sorted, moderate naphthalene odor, sheen from 0-4.	
40										
42										
44										
46							NLO		45 - 48 wet, brown, medium-coarse SAND, trace silt, loose, non-cohesive, well sorted, moderate naphthalene odor, no visual impacts.	
48	S7	10.0	10.0	127.0					48 - 58 wet, brown, fine-coarse SAND, trace silt and fine gravel, loose, non-cohesive, poorly sorted, moderate naphthalene odor from 0-2, no visual impacts.	
50										
52										

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Tar saturated
Staining and sheen
Tar Lenses and tar/naptha odor
Blebs, globs, lenses, grain-coating, sheen
Petroleum sheen/ staining odors

GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 3 of 4
	CITY/STATE: Brooklyn, New York	CGSB-52/CGMW-22
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
54							NLO			
56										
				5.2						
58	S8	10.0	9.0	23.1					58 - 68 wet, brown, medium SAND, some silt, trace coarse sand, loose, non-cohesive, poorly sorted, moderate naphthalene odor, no visual impacts.	
60										
62							NLO			
64										
				28.9						
66										
68	S9	10.0	2.5	91.4					68 - 78 wet, brown, coarse SAND, some silt, trace fine gravel, loose, non-cohesive, poorly sorted, moderate naphthalene odor, no visual impacts.	
70										
72							NLO			
74										
76										
78	S10	10.0	10.0	2.0					78 - 88 wet, brown-reddish brown, medium SAND, some silt, trace fine gravel and cobbles, loose, non-cohesive, well sorted, no odor or visual impacts.	
80										

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GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	CLIENT: KeySpan	BORING LOG
	PROJECT NAME: Carroll Gardens/Public Place	PAGE 4 of 4
	CITY/STATE: Brooklyn, New York	CGSB-52/CGMW-22
	GEI PROJECT NUMBER: 982482 - 8	

DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN IN.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
82										
84										
86				1.6						
88	S11	10.0	8.5	3.6					88 - 91.5 wet, brown-reddish brown, medium SAND, some silt, trace fine gravel and cobbles, loose, non-cohesive, well sorted, no odor or visual impacts.	
90										
92									91.5 - 95.5 wet, reddish brown, TILL, fine-medium SAND, some silt and fine-coarse angular gravel, dense, moderately cohesive, poorly sorted, no odor or visual impacts.	
94										
96				1.2					95.5 - 98 wet, brown, medium SAND, trace silt, loose, non-cohesive, well sorted, no odor or visual impacts.	
98	S12	10.0	10.0	0.4					98 - 101.5 wet, brown, medium SAND, trace silt, loose, non-cohesvie, well sorted, no odor or visual impacts.	
100										
102								CGSB-52 107-108	101.5 - 108 wet, gray, fine-medium sand, some silt, loose, non-cohesive, poorly sorted, no odor or visual impacts.	
104										
106										
108				0.6					END OF BORING 108 FEET	

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GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 2
CGSB-53/CGMW-23

GROUND SURFACE ELEVATION (FT): 24.44 **LOCATION:** Nelson Street
NORTHING (FT): 671648 **EASTING (FT):** 631428 **TOTAL DEPTH (FT):** 36.0
DRILLED BY: Zebra Environmental / Evan Moraits **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis **DATE START / END:** 6/7/2006 - 6/7/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): ▽ 4.94
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
	0						(0'- 5') HAND CLEARED.	
20	5	S-1	5/27.6	0.0			S-1 (5'- 10') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to coarse, max. size 0.5", moist, brown, medium dense.	
15	10	S-2	5/45.6	0.0			S-2 (10'- 15') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to medium, max. size 1", moist, brown, dense.	
10	15	S-3	5/30	0.0			S-3 (15'- 20') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to medium, max. size 0.5", moist, brown, dense, wet at 19.5'.	
▽ 5	20							

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

GEI Consultants

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(860) 368-5300

CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 2 of 2
CGSB-53/CGMW-23

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
	20	S-4	5/60				S-4A (20'- 21') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to medium, max. size 0.5", moist, brown.	
				0.0		CGSB-53 (23-25)	S-4B (21'- 25') NARROWLY GRADED SAND (SP); ~95% sand; <~5% fines, wet, brown, loose, trace clay nodules.	
0	25	S-5	5/33.6				S-5 (25'- 30') NARROWLY GRADED SAND (SP); ~95% sand; <~5% fines, wet, brown, loose, trace clay nodules.	
				0.0				
-5	30	S-6	6/24				S-6A (30'- 32') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to medium, max. size 1", wet, purple brown, dense, trace clay nodules.	
				1.5		CGSB-53 (32-34)	S-6B (32'- 34') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, dark brown, loose, slight unknown odor.	
-10	35						S-6C (34'- 36') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, loose.	
							End of Boring at 36 feet.	

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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Glastonbury, CT 06033
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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 2
CGSB-54

GROUND SURFACE ELEVATION (FT): 31.59 **LOCATION:** Luquer Street
NORTHING (FT): 671887 **EASTING (FT):** 631459 **TOTAL DEPTH (FT):** 25.0
DRILLED BY: Zebra Environmental / Evan Moraitis **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis **DATE START / END:** 6/8/2006 - 6/8/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
30	0					(0'- 5') HAND CLEARED.
	5	S-1	5/50.4			S-1A (5'- 5.5') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse; ~30% gravel, fine to coarse, max. size 1.5", dry, gray, loose. S-1B (5.5'- 7') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand; ~10% fines, moist, brown, dense, rock fragments 6'-6.3'.
25				0.0		S-1C (7'- 10') NARROWLY GRADED SAND (SP); ~95% sand; <~5% fines, moist, light brown, loose.
	10	S-2	5/60			S-2A (10'- 12.5') NARROWLY GRADED SAND (SP); ~95% sand; <~5% fines, moist, light brown, loose, 3" lens of medium gravel at 11'.
20				0.0		S-2B (12.5'- 13.2') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, moist, brown, dense. S-2C (13.2'- 15') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% gravel, fine, <~5% fines, max. size 0.25", moist, red brown, dense.
	15	S-3	4/28.8			S-3A (15'- 18.5') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, moist, brown, dense, shattered dark gray rock 18'-18.5'.
15				0.4		
	20					

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

GEI Consultants

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455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG

CGSB-54

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
	20					(20'- 25') Fractured dark gray rock.
10						
	25					End of Boring at 25 feet. Refusal at 25 feet.

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 1
CGSB-54B

GROUND SURFACE ELEVATION (FT): 35.31
LOCATION: Luquer Street (near Court Street)
NORTHING (FT): 671934 **EASTING (FT):** 631328
TOTAL DEPTH (FT): 15.0
DRILLED BY: Zebra Environmental / Luke Caballero
DATUM VERT. / HORZ.: NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis
DATE START / END: 6/20/2006 - 6/20/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
35	0					CGSB-54B (0-0.25)	(0'- 5') HAND CLEARED.
30	5	S-1	5/43.2	0.0			S-1 (5'- 10') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% fines, <~5% gravel, fine to coarse, max. size 1.25", moist, brown, dense.
25	10	S-2	5/45.6	0.0			S-2 (10'- 15') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% fines, <~5% gravel, fine to coarse, max. size 1.25", moist, brown, dense.
	15						End of Boring at 15 feet. Refusal at 15 feet.

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT:	National Grid
PROJECT:	Citizens Gas Works
CITY/STATE:	Brooklyn, New York
GEI PROJECT NUMBER:	093250

BORING LOG

PAGE 1 of 3

CGSB-54/CGMW-24

GROUND SURFACE ELEVATION (FT):	33.33	LOCATION:	Luquer Street
NORTHING (FT):	671870	EASTING (FT):	631494
TOTAL DEPTH (FT):	41.0		
DRILLED BY:	ADT / Greg Rivera	DATUM VERT. / HORZ.:	NAVD 1988 / NAD83 NY East Zone
LOGGED BY:	Kari Weber and Kristen Ponak	DATE START / END:	10/13/2010 - 10/14/2010
DRILLING DETAILS:	Mud rotary		
WATER LEVEL ELEVATIONS (FT):			
GENERAL NOTE:	Riser elevation 33.12 ft.		

ELEV. FT.	DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN/REC FT./FT.	BLOWS (/6 IN.)	PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
30	0									
	5	S-1	2/13	1-1-50	0.7				(5'- 6.2') NARROWLY GRADED SAND WITH SILT (SP-SM); ~80% sand, fine to medium, ~10% gravel, fine to coarse, subangular, ~10% fines; max. size 1, moist, reddish brown, fractured cobble encountered ~6.1 ft, driller indicates rough drlling to ~7', cobbles present.	
25		S-2	2/14	3-2-1-1	0.4				(7'- 9') NARROWLY GRADED SAND (SP); ~95% sand, fine to coarse, ~5% fines; wet, brown, mostly fine to medium sand.	
	10	S-3	2/12	7-10-13-11	0.6				(9'- 11') SILTY SAND WITH GRAVEL (SM); ~65% sand, fine to coarse, ~20% fines, ~15% gravel, fine to coarse, subrounded; max. size 1.25, wet, brown.	
		S-4	2/9	10-12-14-11	3.4		PLO		(11'- 13') WIDELY GRADED SAND WITH SILT (SW-SM); ~80% sand, fine to coarse, ~10% gravel, fine to coarse, subangular, ~10% fines; max. size 1.25, slight petroleum-like odor, wet, brown, gravel is mostly fine grained.	
20		S-5	2/17	9-10-10-13	0.2				(13'- 13.5') NARROWLY GRADED SAND WITH SILT (SP-SM); ~85% sand, fine to medium, ~10% fines, ~5% gravel, fine, subangular; max. size 0.5, wet, brown. (13.5'- 14.3') WIDELY GRADED GRAVEL WITH SAND (GW); ~50% gravel, fine to coarse, ~45%	
	15									

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S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
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ALO = ASPHALT LIKE ODOR
CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 2 of 3
CGSB-54/CGMW-24

ELEV. FT.	DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN/REC FT./FT.	BLOWS (/6 IN.)	PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
	15	S-6	2/15	12-14-11-10	0.3				sand, medium to coarse, ~5% fines; max. size 1, wet, grayish brown, mostly fine gravel and coarse sand. (14.3'- 15') NARROWLY GRADED SAND WITH SILT (SP-SM); ~85% sand, fine to medium, ~10% fines, ~5% gravel, fine, subangular; max. size 0.75, wet, brown.	
15		S-7	2/13	7-5-3-3	0.0				(15'- 15.4') NARROWLY GRADED SAND WITH SILT (SP-SM); ~85% sand, fine to medium, ~10% fines, ~5% gravel, fine, subangular; max. size 0.75, wet, brown. (15.4'- 16.4') WIDELY GRADED GRAVEL WITH SAND (GW); ~50% gravel, fine to coarse, ~45% sand, medium to coarse, ~5% fines; max. size 1, wet, grayish brown, mostly fine gravel and coarse sand.	
	20	S-8	2/4	5-4-3-4	0.2				(16.4'- 17') NARROWLY GRADED SAND WITH SILT (SP-SM); ~85% sand, fine to medium, ~10% fines, ~5% gravel, fine, subangular; max. size 0.75, wet, light brown.	
		S-9	2/13	3-20-30-40	0.0				(17'- 21') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, brown. (21'- 27') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine, ~5% fines; max. size 0.5, wet, brown.	
10		S-10	2/13	17-16-15-17	2.4					
	25	S-11	2/13	23-25-23-27	0.0					
		S-12	2/16	13-14-15-17	0.3			CGSB-54 (27-29)	(27'- 29') NARROWLY GRADED SAND (SP); ~85% sand, fine, ~10% fines, ~5% gravel, fine to coarse; wet, reddish brown.	
5		S-13	2/18	19-17-15-18	0.0				(29'- 31') SILTY SAND; ~75% sand, fine, ~15% fines, ~10% gravel, fine to coarse; max. size 1.5, wet, reddish brown.	
	30	S-14	2/14	28-20-23-20	0.1				(31'- 31.6') NARROWLY GRADED SAND (SP); ~85% sand, fine to medium, ~10% gravel, fine to coarse, subangular, ~5% fines; max. size 1.25, wet, reddish brown, lense of subangular gravel fragments from 31.3-31.4 feet. (31.6'- 32') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine, ~5% fines;	
		S-15	2/19	17-12-	0.0					

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG

CGSB-54/CGMW-24

ELEV. FT.	DEPTH FT.	SAMPLE INFORMATION TYPE and NO.	PEN/REC FT./FT.	BLOWS (/6 IN.)	PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
				10-15					max. size 0.75, wet, brown.	
	35	S-16	2/17	18-18-23-21	0.1				(32'- 32.7') WIDELY GRADED SAND WITH GRAVEL (SW); ~75% sand, fine to coarse, ~20% gravel, fine to coarse, subrounded, ~5% fines; max. size 1.25, wet, brown.	
		S-17	2/18	10-11-21-22	0.0				(32.7'- 41') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine to coarse, subrounded, ~5% fines; max. size 1.25, wet, brown.	
-5										
		S-18	2/19	21-23-24-25	0.4					
	40								End of Boring at 41 feet.	

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BORING LOG
PAGE 1 of 1
CGSB-55

GROUND SURFACE ELEVATION (FT): 39.53 **LOCATION:** 4th Street
NORTHING (FT): 672154 **EASTING (FT):** 631522 **TOTAL DEPTH (FT):** 16.5
DRILLED BY: Zebra Environmental / Evan Moraitis **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis **DATE START / END:** 6/9/2006 - 6/9/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
	0					(0'- 5') HAND CLEARED.
35	5	S-1	5/50.4	0.0		S-1 (5'- 10') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to coarse, max. size 1.5", moist, brown, dense.
30	10	S-2	5/52.8	0.0		S-2A (10'- 11') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to coarse, max. size 1.5", moist, brown, dense. S-2B (11'- 15') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to coarse, max. size 1", moist, brown, dense.
25	15	S-3	2/18			S-3 (15'- 16.5') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to coarse, max. size 1", moist, brown, dense.
						End of Boring at 16.5 feet. Refusal at 16.5 feet.

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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Glastonbury, CT 06033
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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 1
CGSB-55B

GROUND SURFACE ELEVATION (FT): 39.53 **LOCATION:** 4th Street
NORTHING (FT): 672154 **EASTING (FT):** 631522 **TOTAL DEPTH (FT):** 20.0
DRILLED BY: Zebra Environmental / Evan Moraitis **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis **DATE START / END:** 6/14/2006 - 6/15/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
35	0			0.6		(0'- 5') HAND CLEARED.
	5	S-1	5/38.4	0.0		S-1 (5'- 10') WIDELY GRADED SAND (SW); fine to coarse, ~90% sand; <~5% gravel, fine to coarse, <~5% fines, max. size 1", moist, red brown, dense.
30	10	S-2	5/32.4	0.0		S-2 (10'- 15') WIDELY GRADED SAND WITH GRAVEL (SW); fine to coarse, ~80% sand; ~15% gravel, fine to coarse, ~5% cobbles, max. size 3", moist, red brown, dense.
25	15	S-3	5/NM	7		S-3 (15'- 20') WIDELY GRADED SAND (SW); fine to coarse, ~90% sand; ~5% gravel, fine to coarse, <~5% fines, max. size 1.5", moist, red brown, dense.
20	20					End of Boring at 20 feet.

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CLIENT:	National Grid
PROJECT:	Citizens Gas Works
CITY/STATE:	Brooklyn, New York
GEI PROJECT NUMBER:	093250

BORING LOG

PAGE 1 of 2

CGSB-55/CGMW-25

GROUND SURFACE ELEVATION (FT):	43.09	LOCATION:	4th Place
NORTHING (FT):	672157	EASTING (FT):	631612
TOTAL DEPTH (FT):	34.0		
DRILLED BY:	Boart Longyear / Frank Gardelle	DATUM VERT. / HORZ.:	NAVD 1988 / NAD83 NY East Zone
LOGGED BY:	Jennifer Morin	DATE START / END:	6/30/2010 - 7/1/2010
DRILLING DETAILS:	Sonic Coring / Minisonic		
WATER LEVEL ELEVATIONS (FT):	▽ 18.09 7/1/2010		
GENERAL NOTE:	Riser elevation 42.75 ft.		

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
40	0		6/NM				(0'- 0.5') CONCRETE; sidewalk and base. (0.5'- 5') WIDELY GRADED SAND WITH GRAVEL (SW); ~65% sand, fine to coarse, ~30% gravel, fine to coarse, ~5% fines; numerous large cobbles and boulders, dry, brown, FILL.	
35	5	S1	5/44	1.7 0.0 HS			S1 (5'- 10') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~30% gravel, fine to medium, ~20% fines; concrete fragments, max. size 2", dry, brown, FILL.	
30	10	S2	5/48	0.9 0.0 HS			S2 (10'- 15') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~30% gravel, fine to medium, ~20% fines; concrete fragments, max. size 2", dry, brown, FILL.	
25	15	S3	5/55	42.7 0.9 HS			S3 (15'- 16.5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~30% gravel, fine to medium, ~20% fines; concrete fragments, max. size 2", dry, brown, FILL. S3 (16.5'- 20') WIDELY GRADED SAND WITH SILT AND GRAVEL (SW-SM); ~70% sand, fine to coarse, ~20% gravel, fine to coarse, subangular, ~10% fines; dry, brown.	
20	20							

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BORING LOG
PAGE 2 of 2
CGSB-55/CGMW-25

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
20	20	S4	5/46	0.3 1.1 HS			S4 (20'- 22') SILTY SAND WITH GRAVEL (SM); ~60% sand, fine to coarse, ~20% gravel, fine to coarse, ~20% fines; some cobbles, max. size 3.5", moist with drill water.	
							S4 (22'- 25') WIDELY GRADED SAND WITH GRAVEL (SW); ~75% sand, fine to coarse, ~25% gravel, fine to coarse, subrounded; some cobbles, max. size 4", dry.	
	25	S5	5/26	0.3 0.3 HS		CGSB-55 (25-26)	S5 (25'- 30') WIDELY GRADED SAND WITH GRAVEL (SW); ~75% sand, fine to coarse, ~30% gravel, fine to coarse, subrounded; some cobbles, max. size 3", saturated, brown.	
15								
	30	S6	2/24	0.3 1.5 HS			S6 (30'- 30.3') COBBLE; broken pieces of cobble. S6 (30.3'- 32') SILTY SAND WITH GRAVEL (SM); ~40% sand, fine to coarse, ~30% gravel, fine to coarse, angular, ~30% fines; some cobbles, max. size 4", wet, gray to brown, bottom 6" of sample is dry, pulverized cobble.	
10								

End of Boring at 34 feet.

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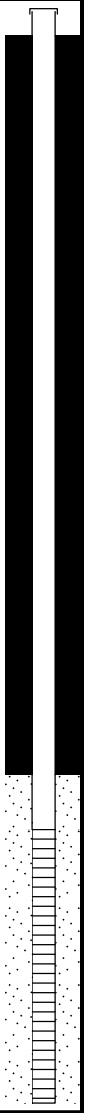
BORING LOG
PAGE 1 of 2
CGSB-56/CGMW-26

GROUND SURFACE ELEVATION (FT): 21.19 **LOCATION:** Hoyt Street
NORTHING (FT): 672057 **EASTING (FT):** 632429 **TOTAL DEPTH (FT):** 31.0
DRILLED BY: Zebra Environmental / Evan Moraitis **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Melissa Felter **DATE START / END:** 6/5/2006 - 6/5/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): ▽ 3.19
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0						(0'- 5') HAND CLEARED.
20							
	5	S-1	5/34.8	0.2			S-1A (5'- 8') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; layered, ~5% gravel, fine to medium, ~5% fines, max. size 0.5", moist, dark brown to brown, medium dense, 1" layer of gray sand at 8'. S-1B (8'- 10') NARROWLY GRADED SAND (SP); ~95% sand; ~5% fines, moist, brown, medium dense.
15							
	10	S-2	5/60	0.2			S-2A (10'- 13.5') NARROWLY GRADED SAND (SP); ~95% sand; ~5% fines, moist, brown, medium dense. S-2B (13.5'- 15') SILTY SAND (SM); ~80% sand; ~15% silty fines, ~5% gravel, fine, max. size 0.25", moist, red brown, dense.
10							
	15	S-3	5/30	0.1			S-3A (15'- 18') SILTY SAND (SM); ~80% sand; ~15% silty fines, ~5% gravel, fine to coarse, max. size 1", moist to wet, brown, dense. S-3B (18'- 19') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% fines, ~5% gravel, fine to coarse, max. size 1", wet, brown, dense. S-3C (19'- 19.5') ROCK FRAGMENTS.
5							
▽							
	20						

WELL DETAILS: 

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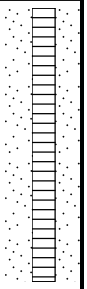
BORING LOG

CGSB-56/CGMW-26

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
0	20	S-4	5/25.2				S-3D (19.5'- 20') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% fines, ~5% gravel, fine, max. size 0.5", wet, brown, loose. S-4 (20'- 25') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse; ~25% gravel, fine to coarse, ~5% fines, max. size 1", wet, brown and gray, loose.	
-5	25	S-5	5/37.2				S-5 (25'- 30') SILTY SAND (SM); ~75% sand; ~15% silty fines, ~10% gravel, fine to coarse, max. size 1.5", wet, brown, dense.	
	30					CGSB-56 (30-31)	End of Boring at 31 feet. Refusal at 31 feet.	

NOTES:

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FT. = FEET

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

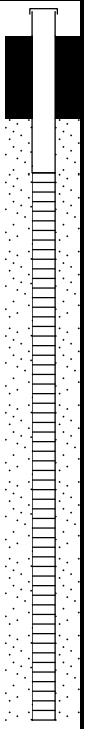
CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 3
CGSB-57/CGMW-27

GROUND SURFACE ELEVATION (FT): 12.55 **LOCATION:** 4th Street
NORTHING (FT): 671910 **EASTING (FT):** 632584 **TOTAL DEPTH (FT):** 45.0
DRILLED BY: Zebra Environmental / Luke Caballero **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis **DATE START / END:** 6/21/2006 - 6/21/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): ▽ 7.55
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0							(0'- 5') HAND CLEARED.
10								
▽	5	S-1	5/22.8	6.6			CGSB-57 (5-8)	S-1 (5'- 10') WIDELY GRADED SAND WITH SILT (SW-SM); low plasticity, ~85% sand, fine to coarse; ~10% fines, <~5% gravel, fine to coarse, max. size 1.25", wet, brown, dense.
5								
	10	S-2	5/9.6					S-2 (10'- 15') CLAYEY SAND (SC); ~75% sand; stratified, ~20% clayey fines, <~5% gravel, fine to medium, wet, gray brown, dense, interbedded layers of fine to medium sand and clay.
0				42.9				
	15	S-3	5/39.6					S-3A (15'- 18.5') SILTY SAND (SM); ~75% sand; ~20% fines, <~5% gravel, fine to coarse, max. size 1.5", wet, red brown, loose.
-5								
				20.7		OLO		S-3B (18.5'- 20') ORGANIC SOIL (OL/OH); slight organic-like odor, moist, dark brown, peat. ORGANICS.
	20							

WELL DETAILS



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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG
PAGE 2 of 3
CGSB-57/CGMW-27

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
	20	S-4	5/46.8			OLO		S-4A (20'- 21.5') ORGANIC SOIL (OL/OH); slight organic-like odor, moist, dark brown, peat. ORGANICS.	
				69.5				S-4B (21.5'- 25') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% wood, wet, brown gray, dense, trace wood fragments, coarsens downward.	
-10									
	25	S-5	5/33.6	34			CGSB-57 (25-28)	S-5A (25'- 28.5') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% wood, wet, brown gray, dense, trace wood fragments, coarsens downward.	
-15									
								S-5B (28.5'- 29.25') LEAN CLAY WITH SAND (CL); ~80% fines; varved, ~20% sand, fine, wet, red gray, dense.	
	30	S-6	5/40.8					S-5C (29.25'- 30') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense.	
				26				S-6 (30'- 35') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense, 1" clayey lenses at 30.5', 32', and 34'.	
-20									
	35	S-7	5/34.8					S-7 (35'- 40') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense.	
-25				39					
	40	S-8	5/31.2					S-8A (40'- 43') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense.	
-30									
				14.8				S-8B (43'- 45') NARROWLY GRADED SAND (SP); ~95% sand; ~5% fines, wet, brown, dense.	

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BORING LOG

CGSB-57/CGMW-27

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
	45							End of Boring at 45 feet.	

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CITY/STATE:	Brooklyn, New York
GEI PROJECT NUMBER:	093250

BORING LOG

PAGE 1 of 3

CGSB-58

GROUND SURFACE ELEVATION (FT):	7.31	LOCATION:	Bond Street
NORTHING (FT):	671759	EASTING (FT):	632970
TOTAL DEPTH (FT):	69.0		
DRILLED BY:	Prosonic Corporation / Ben Grim	DATUM VERT. / HORZ.:	NAVD 1988 / NAD83 NY East Zone
LOGGED BY:	Lynn Willey	DATE START / END:	5/20/2006 - 5/20/2006
DRILLING DETAILS:	Sonic		
WATER LEVEL ELEVATIONS (FT):	▽ 2.31		
GENERAL NOTE:			

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0								(0'- 5') HAND CLEARED.
5									
▽	5	S-1	3/36	4.4			OLO		S-1A (5'- 7') SILTY SAND (SM); low plasticity, ~75% sand; ~20% silty fines, <~5% fill, ash, asphalt fragments, fine sand, slight organic-like odor, wet, light brown, diesel-like odor. FILL.
0							OLO		S-1B (7'- 8') NARROWLY GRADED SAND (SP); ~90% sand; ~5% silty fines, <~5% gravel, fine, max. size 0.5", slight organic-like odor, moist, light brown, FILL.
		S-2	10/0						S-2 (8'- 18') NO RECOVERY.
	10			0.0					
-5				5.2					
	15								
-10									
		S-3	10/108	5.2					S-3A (18'- 19.5') CLAYEY SAND (SC); ~85% sand; ~15% clayey fines, wet, light gray brown, FILL.
	20						OLO		S-3B (19.5'- 27') FAT CLAY (CH); high plasticity; stratified,

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BORING LOG
PAGE 2 of 3
CGSB-58

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	20			0.0			OLO		~15% peat with fine sand & shell fragments, slight organic-like odor, moist to wet, gray, MIXED ALLUVIUM.
-15									
	25								
-20							OLO		S-3C (27'- 28') ORGANIC SOIL (OH); low plasticity; ~10% sand, fine, ~10% peat root fragments, slight organic-like odor, moist to wet, gray, sand at bottom. ALLUVIUM.
		S-4	10/90						S-4A (28'- 32') SILTY SAND (SM); ~75% sand; ~20% silty fines, <~5% gravel, fine, max. size 0.5", moderate naphthalene-like odor, wet, gray brown, slight blebs.
	30						NLO		
				128					
-25							NLO		S-4B (32'- 34.5') SILTY SAND (SM); ~75% sand; ~20% silty fines, low plasticity, ~5% clayey fines, moderate naphthalene-like odor, wet, gray brown, slight sheen.
	35						NLO	CGSB-58 (34.5-36)	S-4C (34.5'- 36') NARROWLY GRADED SAND WITH SILT (SP-SM); ~70% sand; ~20% sand, fine to coarse, ~10% silty fines, moderate naphthalene-like odor, wet, gray brown, moderate tar sheen, 25% tar coated, tar-like odors. ALLUVIUM.
-30				24			NLO		S-4D (36'- 38') NARROWLY GRADED SAND (SP); ~95% sand; ~5% silty fines, slight naphthalene-like odor, wet, light brown.
		S-5	10/114						S-5 (38'- 48') NARROWLY GRADED SAND (SP); ~85% sand; ~10% mica, ~5% silty fines, slight organic-like odor, wet, light brown, ALLUVIUM.
	40			66.4			OLO		
-35									

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BORING LOG
PAGE 3 of 3
CGSB-58

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	45						OLO		
-40									
		S-6	21/210	26.1					S-6A (48'- 56') NARROWLY GRADED SAND (SP); ~85% sand; ~10% mica, ~5% silty fines, slight organic-like odor, wet, gray black, ALLUVIUM.
	50								
-45							OLO		
				58.1					
	55								
-50							NLO		S-6B (56'- 58') NARROWLY GRADED SAND (SP); ~85% sand; ~10% mica, ~5% silty fines, slight naphthalene-like odor, wet, gray black, ALLUVIUM.
				58					S-6C (58'- 64') NARROWLY GRADED SAND (SP); ~85% sand; ~10% mica, ~5% silty fines, wet, light brown, ALLUVIUM.
	60								
-55				14.5					
	65								S-6D (64'- 67') SILTY SAND WITH GRAVEL (SM); ~60% sand; ~25% silty fines, ~15% gravel, fine to coarse, max. size 2", wet, brown.
-60							NLO	CGSB-58 (67.5-69)	S-6E (67'- 69') WIDELY GRADED SAND WITH SILT (SW-SM); ~85% sand, fine to coarse; ~10% silty fines, ~5% gravel, fine to coarse, max. size 2", slight naphthalene-like odor, wet, brown.
									End of Boring at 69 feet.

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BORING LOG
PAGE 1 of 3
CGSB-59/CGMW-29

GROUND SURFACE ELEVATION (FT): 8.93 **LOCATION:** 7th Street and 2nd Avenue
NORTHING (FT): 670749 **EASTING (FT):** 632989 **TOTAL DEPTH (FT):** 45.0
DRILLED BY: Zebra Environmental / Evan Moraitis **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jared Lewis **DATE START / END:** 6/9/2006 - 6/9/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): ▽ 3.93
GENERAL NOTE:

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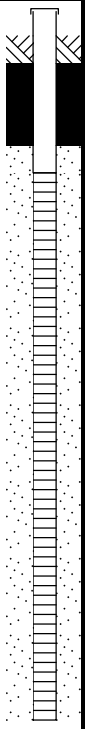
	0							(0'- 5') HAND CLEARED.	
5	5	S-1	5/30					S-1A (5'- 8') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, black brown, loose. FILL.	
0						PLO		S-1B (8'- 9') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; <~5% fines, <~5% gravel, fine to medium, slight petroleum-like odor, wet, mottled gray black, loose, coal fragments, glass. FILL.	
				599		PLO	CGSB-59 (9-10)	S-1C (9'- 10') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse; ~25% gravel, fine to medium, <~5% fines, strong petroleum-like odor, wet, mottled gray black, coal fragments.	
	10	S-2	5/33.6			PLO		S-2A (10'- 12.5') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse; ~25% gravel, fine to medium, <~5% fines, strong petroleum-like odor, wet, mottled gray black, coal fragments.	
-5						OLO		S-2B (12.5'- 15') ORGANIC SOIL (OL/OH); moderate organic-like odor, moist, dark brown, peat, dense.	
	15	S-3	5/36					S-3A (15'- 19.5') ORGANIC SOIL (OL/OH); moderate sulfur-like odor, moist, dark brown, peat, dense.	
				5.4		SLO			
-10									
				5.2				S-3B (19.5'- 20') NARROWLY GRADED SAND (SP); ~95%	
	20								



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PAGE 2 of 3
CGSB-59/CGMW-29

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
	20	S-4	5/45.6	195		PLO	CGSB-59 (20-22)	sand; <~5% fines, moist, gray, dense. S-4A (20'- 24') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, moderate petroleum-like odor, wet, brown gray, dense.	
-15								S-4B (24'- 25') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense.	
	25	S-5	5/28.8	20.2				S-5A (25'- 28') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% fines, wet, brown, dense.	
-20								S-5B (28'- 30') SILTY SAND (SM); ~70% sand; ~20% silty fines, ~10% gravel, fine to coarse, max. size 1", wet, brown, dense. TILL.	
	30	S-6	5/31.2	29				S-6 (30'- 35') SILTY SAND (SM); ~70% sand; ~20% silty fines, ~10% gravel, fine to coarse, max. size 1", wet, brown, dense. TILL.	
-25									
	35	S-7	5/37.2	24				S-7A (35'- 36.5') SILTY SAND (SM); ~70% sand; ~20% silty fines, ~10% gravel, fine to coarse, max. size 1", wet, brown, dense. TILL.	
								S-7B (36.5'- 37') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; <~5% gravel, fine to medium, max. size 0.25", wet, brown, dense. S-7C (37'- 38.5') SILTY SAND (SM); ~70% sand; ~25% fines, <~5% gravel, fine to medium, max. size 0.3", wet, brown, dense. S-7D (38.5'- 40') SILT (ML); wet, brown.	
-30									
	40	S-8	5/28.8	4.5			CGSB-59 (42-45)	S-8A (40'- 43.5') SILTY SAND (SM); ~65% sand; ~25% fines, ~10% gravel, fine to coarse, max. size 1", wet, brown, dense. TILL.	
-35								S-8B (43.5'- 45') SILTY SAND (SM); ~65% sand; ~30% fines, <~5% gravel, fine to medium, max. size 0.25", wet,	

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BORING LOG

CGSB-59/CGMW-29

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
	45							brown, dense. End of Boring at 45 feet.	

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Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

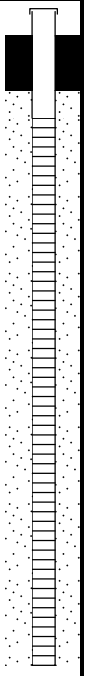
CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 3
CGSB-60/CGMW-32

GROUND SURFACE ELEVATION (FT): 5.24 **LOCATION:** 9th Street
NORTHING (FT): 670722 **EASTING (FT):** 632059 **TOTAL DEPTH (FT):** 49.0
DRILLED BY: Zebra Environmental / Evan Moraitis **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Melissa Felter **DATE START / END:** 6/6/2006 - 6/6/2006
DRILLING DETAILS: Geoprobe
WATER LEVEL ELEVATIONS (FT): ▽ 1.24
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
5	0							(0'- 5') HAND CLEARED.
0	5	S-1	5/0					S-1 (5'- 10') NO RECOVERY.
-5	10	S-2	5/0					S-2 (10'- 15') NO RECOVERY.
-10	15	S-3	5/60					S-3A (15'- 18.75') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; ~5% fines, wet, brown, very loose.
				0.0		OLO		S-3B (18.75'- 20') CLAYEY SAND (SC); ~55% sand; layered, ~40% clayey fines, ~5% organics, moderate organic-like odor, wet, brown and dark brown, dense.
	20							

WELL DETAILS



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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

GEI Consultants

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455 Winding Brook Road
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CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 2 of 3
CGSB-60/CGMW-32

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
-15	20	S-4	5/44.4	0.2		OLO		S-4A (20'- 20.25') CLAYEY SAND (SC); ~55% sand; layered, ~40% clayey fines, ~5% organics, moderate organic-like odor, wet, brown and dark brown, dense. S-4B (20.25'- 25') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; ~5% fines, wet, dark gray to brown, medium dense.	
-20	25	S-5	5/37.2	0.2				S-5A (25'- 26.5') LEAN CLAY (CL); ~100% fines, low plasticity; varved, moist, gray and brown, dense, 2" fine sand lens. S-5B (26.5'- 30') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; lensed, ~5% fines, wet, gray and brown, medium dense, 3" clay lens, orange mottling.	
-25	30	S-6	5/36	0.4				S-6 (30'- 35') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse; ~5% fines, wet, gray brown, loose.	
-30	35	S-7	5/40.8	2.0			CGSB-60 (35-38)	S-7 (35'- 40') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% fines, <~5% gravel, fine, max. size 0.5", wet, gray brown with orange brown, loose, 1" silt lenses at 37' and 38'.	
-35	40	S-8	5/32.4	2.4				S-8A (40'- 44') NARROWLY GRADED GRAVEL (SP); ~95% sand; ~5% fines, wet, gray brown, loose. S-8B (44'- 45') WIDELY GRADED SAND (SW); ~90% sand,	

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

GEI Consultants, Inc. 455 Winding Brook Road Glastonbury, CT 06033 (860) 368-5300	CLIENT: National Grid PROJECT: Citizens Gas Works CITY/STATE: Brooklyn, New York GEI PROJECT NUMBER: 093250	BORING LOG PAGE 3 of 3 CGSB-60/CGMW-32

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
-40	45	S-9	4/30	1.1				fine to coarse; ~5% gravel, fine, ~5% fines, max. size 0.5", wet, gray brown to brown, loose. S-9A (45'- 46') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse; ~10% gravel, fine to coarse, ~5% fines, max. size 1", wet, brown, dense. S-9B (46'- 49') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse; ~5% gravel, fine to coarse, ~5% fines, max. size 1.5", wet, brown, dense. End of Boring at 49 feet.	

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CITY/STATE: Brooklyn, New York
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BORING LOG
PAGE 1 of 4
CGSB-79

GROUND SURFACE ELEVATION (FT): 6.42 **LOCATION:** 98 4th Street
NORTHING (FT): 671652 **EASTING (FT):** 632685 **TOTAL DEPTH (FT):** 64.0
DRILLED BY: Paragon Environmental / Steve Collins **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Matt Sweet **DATE START / END:** 12/16/2009 - 12/22/2009
DRILLING DETAILS: Hollow Stem Auger / Mobile B-48 / Hammer: 140 lbs / Drop: 30 in.
WATER LEVEL ELEVATIONS (FT): ▽ 0.42 12/18/2010
GENERAL NOTE: *PID readings represent ambient VOC concentrations adjacent to soil sample, not jar headspace concentrations.
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN/REC IN./IN.	BLOWS (/6 in.)	FIELD TEST DATA	STRATA	VISUAL IMPACTS	ODOR	REMARKS	SOIL / BEDROCK DESCRIPTION
	0	G-1	72/72	NA	PID= NM ppm					G-1A (0'- 2') WIDELY GRADED SAND WITH SILT (SW-SM); moist, brown, some fine gravel. HAND CLEARED. FILL.
5									Env. Sample ID= CGSB-79 (2-3)	G-1B (2'- 3') WIDELY GRADED GRAVEL (GW); max. size 1.5", gravel, fine to coarse. Black cinders, brick and concrete fragments. HAND CLEARED. FILL.
	5									G-1C (4'- 6') WIDELY GRADED SAND WITH SILT (SW-SM); black gray, cinders and tile, brick, and concrete fragments. HAND CLEARED. FILL.
▽ 0		S-1	24/4	6-1-1-1	PID= 13.5 ppm					S-1 (6'- 8') WIDELY GRADED GRAVEL WITH SILT AND SAND (GW-GM); ~75% gravel, angular, ~15% sand, fine to coarse, ~10% fines; max. size 1.5", wet, black, FILL.
		S-2	24/6	3-2-1-1	PID= 41.4 ppm			PLO		S-2 (8'- 10') WIDELY GRADED SAND WITH GRAVEL (SW); ~60% sand, fine to coarse, ~35% gravel, angular, ~5% fines; max. size 1", moderate petroleum-like odor, wet, black, stained. FILL.
	10	S-3	24/6	1-1-2-1	PID= 54.8 ppm			PLO		S-3 (10'- 12') WIDELY GRADED SAND WITH GRAVEL (SW); ~60% sand, fine to coarse, ~35% gravel, fine, ~5% fines; max. size 0.25", moderate petroleum-like odor, wet, black, timber in tip. Petroleum staining. FILL.
-5		S-4	24/2	1-1-1-1	PID= 160 ppm			TLO		S-4 (12'- 14') WIDELY GRADED GRAVEL WITH SILT (GW-GM); ~80% gravel, ~10% sand, ~10% fines; moderate tar-like odor, wet, black, staining and blebs and globs. FILL.
	15	S-5	24/2	6-5-7-35	PID= 6.8 ppm			PLO		S-5 (14'- 16') WIDELY GRADED SAND WITH GRAVEL (SW); ~50% sand, fine to coarse, ~50% gravel, fine to coarse, max. size 1.25", moderate

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CITIZENS 2010_ENV/GEO LOG W/SMWC ALL CITIZENS BORINGS.GPJ NG GINT DATA TEMPLATE.GDT 5/24/11

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BORING LOG
PAGE 2 of 4
CGSB-79

ELEV. FT.	DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN/REC IN./IN.	BLOWS (/6 in.)	FIELD TEST DATA	STRATA	VISUAL IMPACTS	ODOR	REMARKS	SOIL / BEDROCK DESCRIPTION
	15							PLO		petroleum-like odor, wet, black, timber in tip. Petroleum saturated, sheen. FILL.
-10		S-6	24/6	14-7-16-8	PID= NM ppm					S-6A (16'- 17') WIDELY GRADED GRAVEL WITH SAND (GW); ~65% gravel, fine to coarse, angular, ~35% sand, fine to coarse; max. size 1", black, petroleum staining. FILL. S-6B (17'- 18') LEAN CLAY (CL); ~100% fines; moist, gray brown, with organics, roots.
		S-7	24/7	WOH-WOH-WOH-WOH	PID= NM ppm			TLO		S-7 (18'- 20') LEAN CLAY (CL); ~100% fines, medium plasticity; moderate tar-like odor, moist, gray, with organic material.
	20	S-8	24/18	WOH-WOH-WOH-1	PID= NM ppm			TLO		S-8 (20'- 22') LEAN CLAY (CL); ~100% fines, medium plasticity; moderate tar-like odor, moist, olive gray, with organic material.
-15		T-1	24/12	P-U-S-H	PID= NA ppm					T-1 (22'- 24') Shelby tube.
		S-9	24/16	WOH-WOH-1-2	PID= NM ppm					S-9A (24'- 25') LEAN CLAY (CL); ~100% fines, medium plasticity; moist, gray brown, with organic material. S-9B (25'- 26') PEAT (PT); ~85% peat, ~15% clayey fines, low plasticity, brown, mostly roots and organic material.
	25	S-10	24/24	1-1-1-1	PID= 1.8 ppm					S-10 (26'- 28') ORGANIC SOIL (OL); ~50% organics, ~50% clayey fines, medium plasticity, moist, dark brown.
-20		S-11	24/20	2-3-4-4	PID= 25 ppm					S-11A (28'- 29.8') ORGANIC SOIL (OL); ~50% organics, ~50% clayey fines, medium plasticity, moist, dark brown.
	30	S-12	24/18	7-7-12-10	PID= 205* ppm PID= 108* ppm PID= 151* ppm PID= 348* ppm			TLO		S-11B (29.8'- 30') SILTY SAND (SM); ~75% sand, fine, ~25% fines; wet, brown black, tar staining and tar coated grains. S-12 (30'- 32') SILTY SAND (SM); ~75% sand, fine, ~25% fines; layered, moderate tar-like odor, moist, dark brown, tar coated grains.
-25		S-13	24/20	10-14-14-16	PID= 108* ppm PID= 187* ppm PID= 276* ppm			TLO		S-13 (32'- 34') SILTY SAND (SM); ~75% sand, fine, ~25% fines; layered, moderate tar-like odor, moist, dark brown, tar coated grains.

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CITIZENS 2010_ENV/GEO LOG W/SMWC ALL CITIZENS BORINGS.GPJ NG GINT DATA TEMPLATE.GDT 5/24/11

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BORING LOG
PAGE 3 of 4
CGSB-79

ELEV. FT.	DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN/REC IN./IN.	BLOWS (/6 in.)	FIELD TEST DATA	STRATA	VISUAL IMPACTS	ODOR	REMARKS	SOIL / BEDROCK DESCRIPTION
					PID= 164* ppm			TLO		
		S-14	24/20	5-5-5-11	PID= 38.6* ppm PID= 25.2* ppm PID= 19.8* ppm PID= 364* ppm			TLO		S-14 (34'- 36') SANDY SILT (ML); ~65% fines, non plastic, ~35% sand; layered, moderate tar-like odor, moist, brown, tar coated grains in sand lens at base of sample.
	35									
-30		S-15	24/24	3-3-4-5	PID= 156* ppm PID= 52* ppm PID= 346* ppm PID= 348* ppm			TLO		S-15 (36'- 38') SILTY SAND (SM); ~65% sand, fine, ~35% fines, low plasticity, rapid dilatancy; layered, moderate tar-like odor, wet, dark brown, tar coated/saturated grains.
		S-16	24/24	4-4-5-8	PID= 355* ppm PID= 310* ppm PID= 331* ppm PID= 281* ppm				Env. Sample ID= CGSB-79 (38-40)	S-16 (38'- 40') SILTY SAND (SM); ~75% sand, fine, ~25% fines, low plasticity, rapid dilatancy; layered, wet, dark brown, tar coated grains, sheen.
	40	S-17	24/14	4-4-4-4	PID= NM ppm			TLO		S-17 (40'- 42') SILTY SAND (SM); ~75% sand, fine, ~25% fines, low plasticity, slow dilatancy; slight tar-like odor, wet, brown, slight sheen.
-35		S-18	24/24	5-5-7-5	PID= 71* ppm PID= 44* ppm PID= 7* ppm			TLO		S-18 (42'- 44') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines; layered, moderate tar-like odor, moist, brown, tar coated lenses and staining.
		S-19	24/24	7-7-7-8	PID= 86* ppm PID= 43.9* ppm			TLO		S-19 (44'- 46') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines; layered, moderate tar-like odor, moist, brown, tar coated lenses and staining.
	45									
-40		S-20	24/24	4-4-8-5	PID= 101* ppm PID= 65.7* ppm PID= 147* ppm			TLO		S-20 (46'- 48') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines; moderate tar-like odor, moist, gray brown, some tar coated grains, sheen.
		S-21	24/24	15-16-5-6	PID= 6.9* ppm PID= 8.1* ppm PID= 10.7* ppm			TLO	(48'- 50') Running sands in auger. Driller attempts to free augers. Delayed freeing of augers due to the wait for water to mix mud.	S-21 (48'- 50') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines; slight tar-like odor, moist, gray brown.
	50	S-22	24/24	4-4-4-4	PID= 25.8* ppm PID= 16.9* ppm PID= 4.9* ppm			TLO		S-22 (50'- 52') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines; slight tar-like odor, moist, gray brown.
-45										

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BORING LOG
PAGE 4 of 4
CGSB-79

ELEV. FT.	DEPTH FT.	SAMPLE INFORMATION: TYPE and NO.	PEN/REC IN./IN.	BLOWS (/6 in.)	FIELD TEST DATA	STRATA	VISUAL IMPACTS	ODOR	REMARKS	SOIL / BEDROCK DESCRIPTION
		S-23	24/24	4-4-4-4	PID= NM ppm			TLO		S-23 (52'- 54') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines; slight tar-like odor, moist, light brown.
	55	S-24	24/12	2-3-6-4	PID= 9.7* ppm PID= 10.0* ppm					S-24 (54'- 56') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines; moist, light brown.
-50		S-25	24/20	6-7-9-5	PID= 31.2* ppm PID= 29.2* ppm PID= 14.2* ppm					S-25 (56'- 58') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines; moist, light brown.
		S-26	24/13	6-8-6-4	PID= 3.7* ppm PID= 2.3* ppm					S-26 (58'- 60') SILTY SAND (SM); ~80% sand, fine, ~15% fines, ~5% gravel, fine, subangular; moist, brown.
	60	S-27	24/24	4-4-5-6	PID= 9.1* ppm PID= 20.1* ppm PID= 2.7* ppm				Env. Sample ID= CGSB-79 (60-62)	S-27 (60'- 62') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines; moist, light brown.
-55		S-28	24/22	6-6-7-5	PID= 3.1* ppm PID= 2.4* ppm					S-28 (62'- 64') SILTY SAND (SM); ~80% sand, fine, ~20% fines; moist, light brown.
										End of Boring at 64 feet. Grout to surface.

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BORING LOG
PAGE 1 of 1
CGSB-79B

GROUND SURFACE ELEVATION (FT): 6.42 **LOCATION:** 98 4th Street
NORTHING (FT): 671652 **EASTING (FT):** 632690 **TOTAL DEPTH (FT):** 16.0
DRILLED BY: Paragon Environmental / Doug Thoma **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Matt Sweet **DATE START / END:** 12/22/2009 - 12/22/2009
DRILLING DETAILS: Hollow Stem Auger / CME-55 / Hammer: 140 lbs / Drop: 30 in.
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: BLOWS (/6 in.)	STRATA	REMARKS	SOIL / BEDROCK DESCRIPTION
	0						Note: Drilled down to 14' to collect sample for forensic purposes.
5							
	5						
0							
	10					Env. Sample ID= CGSB-79B (12-14)	
-5		S-1	24/NM	25-2-3-3		Env. Sample ID= CGSB-79B (14-16)	S-1 (14'- 16') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, ~10% fines; red brown, sample was re-driven to collect additional soil for forensic sampling purposes.
	15						End of Boring at 16 feet. Grout to surface.

NOTES:

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NA = NOT APPLICABLE
NM = NOT MEASURED
Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
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TLO = TAR LIKE ODOR
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CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

CITIZENS 2010_ENV/GEO LOG W/SMWC ALL CITIZENS BORINGS.GPJ NG GINT DATA TEMPLATE.GDT 5/24/11

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

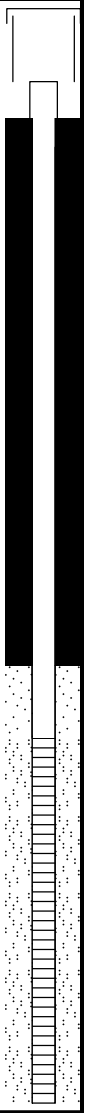
CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 4
CGSB-95/CGMW-40

GROUND SURFACE ELEVATION (FT): 7.89 **LOCATION:** 2nd Avenue & 6th Street
NORTHING (FT): 670999 **EASTING (FT):** 633098 **TOTAL DEPTH (FT):** 62.0
DRILLED BY: Zebra Environmental / Evan Moraits **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Katrina Kucher **DATE START / END:** 2/12/2010 - 2/12/2010
DRILLING DETAILS: Geoprobe / Track mounted 7720DT
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0	G-1	5/60	0.7				G-1 (0'- 5') Hand cleared for utilities.
5								
	5	S-1	5/27.6	41.6		PLO		S-1 (5'- 10') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~20% gravel, fine, ~20% fines; ~10% brick fragments and ash, max. size 0.5", moderate petroleum-like odor, brown, FILL.
0								
	10	S-2	5/36	10.3		PLO		S-2A (10'- 12.2') WIDELY GRADED SAND WITH GRAVEL (SW); ~50% sand, fine to coarse, ~35% gravel, fine to coarse, ~5% fines; max. size 1", slight petroleum-like odor, wet, gray.
-5						SLO		S-2B (12.2'- 15') PEAT (PT); slight sulfur-like odor, gray brown, organics, fines.
	15							

WELL DETAILS



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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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Glastonbury, CT 06033
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BORING LOG
PAGE 2 of 4
CGSB-95/CGMW-40

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
	15	S-3	5/60	104		SLO		S-3A (15'- 15.6') PEAT (PT); slight sulfur-like odor, gray brown, varying amount of organics and fines. S-3B (15.6'- 20') SILT (ML); ~90% fines, medium plasticity, ~10% sand; slight sulfur-like odor.	
-10						SLO			
	20	S-4	5/60	0.9				S-4A (20'- 25') SILTY SAND (SM); ~70% sand, fine, ~30% fines; slight sulfur-like odor, wet, gray.	
-15						SLO			
	25	S-5	5/60	1.7				S-4B (25'- 28.1') SILTY SAND (SM); ~70% sand, fine, ~30% fines.	
-20								S-5 (28.1'- 30') SILT (ML); ~100% fines, low plasticity.	
	30	S-6	5/55.2	2.3				S-6 (30'- 35') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% gravel; moist, brown.	
-25									

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GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
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CLIENT:	National Grid
PROJECT:	Citizens Gas Works
CITY/STATE:	Brooklyn, New York
GEI PROJECT NUMBER:	093250

BORING LOG

CGSB-95/CGMW-40

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
	35	S-7	5/60	1.6				S-7 (35'- 40') SILTY SAND (SM); ~65% sand, fine, ~35% fines.	
-30									
	40	S-8	5/60	0.9				S-8 (40'- 45') SILTY SAND (SM); ~65% sand, fine, ~35% fines; wet, brown.	
-35									
	45	S-9	5/60	0.6				S-9 (45'- 50') SILTY SAND (SM); ~65% sand, fine, ~30% fines, ~5% gravel, fine to coarse; max. size 1".	
-40							CGSB-95 (49-50)		
	50	S-10	5/0	NA				S-10 (50'- 55') NO RECOVERY.	

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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GEI PROJECT NUMBER:	093250

BORING LOG

PAGE 4 of 4

CGSB-95/CGMW-40

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL DETAILS
-45	55								
-50	60	S-11	5/60	1.2				S-11 (57'- 62') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~35% fines, ~15% gravel, fine to coarse; max. size 1", wet, red brown, moderately loose with dense bottom.	
								End of Boring at 62 feet. CGMW-40 installed.	

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BORING LOG
PAGE 1 of 4
CGSB-96

GROUND SURFACE ELEVATION (FT): 6.97 **LOCATION:** 2nd Avenue & 6th Street
NORTHING (FT): 671218 **EASTING (FT):** 633240 **TOTAL DEPTH (FT):** 62.0
DRILLED BY: Zebra Environmental / Evan Moraits **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Katrina Kucher **DATE START / END:** 2/16/2010 - 2/16/2010
DRILLING DETAILS: Geoprobe / Track mounted 7720DT
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0	G-1	5/60	NM		PLO		G-1 (0'- 5') Strong petroleum-like odor. Hand cleared for utilities.
5								
	5	S-1	5/37.2	133		PLO		S-1A (5'- 9.3') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; strong petroleum-like odor, brown, FILL.
0								
						PLO		S-1B (9.3'- 10') SILT (ML); fines, trace organics, strong petroleum-like odor.
	10	S-2	5/60	0.9				S-2A (10'- 11.3') Wash material.
-5								S-2B (11.3'- 15') SILT (ML); ~80% fines, medium plasticity; ~20% organics, strong sulfur-like odor, brown, varying amounts of organics. Peat.
						SLO		
	15							

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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(860) 368-5300

CLIENT: National Grid
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GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 2 of 4
CGSB-96

ELEV. FT.	DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN/REC FT./FT.	PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	15	S-3	5/60	0.8		SLO		S-3A (15'- 19.4') SILT (ML); fines, trace organics, trace shell fragments, slight sulfur-like odor, brown.
-10								
								S-3B (19.4'- 20') Decayed wood.
	20	S-4	5/60	1.0				S-4A (20'- 23.1') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to medium, ~10% fines.
-15								
								S-4B (23.1'- 25') SILT (ML); fines, gray, medium plasticity.
	25	S-5	5/54	0.8				S-5A (25'- 27.9') SILT (ML); ~95% fines, medium plasticity, ~5% sand, fine.
-20								
								S-5B (27.9'- 30') SILTY SAND (SM); ~70% sand, fine, ~30% fines; gray.
	30	S-6	5/51.6	1.0				S-6 (30'- 35') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines.
-25								

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG
PAGE 3 of 4
CGSB-96

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	35	S-7	5/60	0.7				S-7 (35'- 40') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; brown.
-30								
	40	S-8	5/60	0.7				S-8 (40'- 45') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; brown.
-35								
	45	S-9	5/60	0.7			CGSB-96 (45-50)	S-9 (45'- 50') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; brown.
-40								
	50	S-10	5/39.6	0.9				S-10A (50'- 54.3') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; brown, loose.

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG

PAGE 4 of 4

CGSB-96

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
-45								
	55	S-11	7/7.2	2.1				S-10B (54.3'- 55') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown, loose. S-11 (55'- 62') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% gravel.
-50								
	60							
-55								End of Boring at 62 feet. Grout to surface.

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG
PAGE 1 of 3
CGSB-97

GROUND SURFACE ELEVATION (FT): 11.99 **LOCATION:** 3rd Street & Bond Street
NORTHING (FT): 671951 **EASTING (FT):** 632975 **TOTAL DEPTH (FT):** 46.0
DRILLED BY: Zebra Environmental / Evan Moraits **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Jennifer Sandorf **DATE START / END:** 2/18/2010 - 2/18/2010
DRILLING DETAILS: Geoprobe / Track mounted 7720DT
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0	G-1	5/60	0.2				G-1A (0'- 0.5') Concrete. Hand cleared for utilities. G-1B (0.5'- 5') SILTY SAND (SM); ~70% sand, fine to coarse, ~20% fines, ~10% gravel, fine to medium; dry to moist, red brown, loose. Hand cleared for utilities.
10								
	5	S-1	5/38.4	0.2				S-1 (5'- 10') SILTY SAND (SM); ~70% sand, fine to coarse, ~20% fines, ~10% gravel, fine to medium; max. size 1.5", moist to wet, red brown, loose.
5								
	10	S-2	5/13.2	0.3				S-2 (10'- 15') SILTY SAND (SM); ~70% sand, fine to coarse, ~20% fines, ~10% gravel, fine to medium; max. size 1.5", wet, red brown, loose.
0								
	15							

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BORING LOG
PAGE 2 of 3
CGSB-97

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	15	S-3	5/45.6	0.2				S-3 (15'- 20') SILTY SAND (SM); ~60% sand, fine to medium, ~30% fines, ~10% gravel, fine to medium; max. size 1", wet, red brown, very loose.
-5								
	20	S-4	5/60	0.9				S-4 (20'- 25') SILTY SAND (SM); ~60% sand, fine to medium, ~30% fines, ~10% gravel, fine to medium; max. size 1", wet, red brown, very loose.
-10								
	25	S-5	5/55.2	1.3				S-5A (25'- 26.4') SILTY SAND (SM); ~60% sand, fine to medium, ~30% fines, ~10% gravel, fine to medium; max. size 1", wet, red brown, very loose.
								S-5B (26.4'- 30') SILT (ML); ~50% fines; ~50% peat, slight sulfur-like odor, dark brown, high organic content.
-15						SLO		
	30	S-6	5/51.6	1.0				S-6A (30'- 31') SILTY SAND (SM); ~60% sand, fine, ~40% fines, non plastic; red brown, soft.
								S-6B (31'- 32.5') SILTY SAND (SM); ~70% sand, fine to medium, ~20% fines, ~10% gravel, fine; max. size 0.25", gray, medium dense.
-20								S-6C (32.5'- 35') WIDELY GRADED SAND (SW); ~100% sand, fine to coarse; brown, medium dense.

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BORING LOG
PAGE 3 of 3
CGSB-97

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	35	S-7	5/50.4	0.8			CGSB-97 (35-36)	S-7 (35'- 40') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; brown, medium loose.
-25								
	40	S-8	6/60	0.6				S-8 (40'- 46') WIDELY GRADED SAND (SW); ~100% sand, fine to coarse; brown, medium dense.
-30								
	45							End of Boring at 46 feet. Grout to surface.

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Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 3
CGSB-98

GROUND SURFACE ELEVATION (FT): 7.41 **LOCATION:** 3rd Street & Bond Street
NORTHING (FT): 671788 **EASTING (FT):** 633314 **TOTAL DEPTH (FT):** 46.0
DRILLED BY: Zebra Environmental / Evan Moraits **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Katrina Kucher **DATE START / END:** 2/17/2010 - 2/17/2010
DRILLING DETAILS: Geoprobe / Track mounted 7720DT
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0	G-1	5/60	0.8				G-1 (0'- 5') SILTY SAND (SM); ~75% sand, fine to medium, ~15% fines, ~10% gravel; brown, hand cleared for utilities.
5								
	5	S-1	5/40.8	0.5				S-1 (5'- 10') SILTY SAND (SM); ~65% sand, fine to coarse, ~30% fines, ~5% gravel, fine to coarse; max. size 1", brown to gray brown.
0								
	10	S-2	5/51.6	0.4				S-2A (10'- 12.1') SILTY SAND (SM); ~60% sand, fine to coarse, ~30% fines, ~10% gravel, fine to coarse; max. size 1".
-5						SLO		S-2B (12.1'- 15') SILT (ML); ~90% fines, medium plasticity; ~10% organics, trace shell fragments, slight sulfur-like odor, gray, trace shell fragments.
	15							

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BORING LOG

CGSB-98

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	15	S-3	5/60	0.4				S-3 (15'- 20') SILT (ML); ~90% fines, medium plasticity; ~10% organics, trace shell fragments, gray, trace shell fragments.
-10								
	20	S-4	5/60	0.4				S-4 (20'- 25') SILT (ML); fines, gray, medium plasticity. 4.8", fine to medium sand seam at 23.6'.
-15								
	25	S-5	5/50.4	0.6				S-5A (25'- 27.9') SILT (ML); fines, gray, medium plasticity. Trace mottling.
-20								S-5B (27.9'- 30') NARROWLY GRADED SAND (SP); ~95% sand, fine; ~5% organics, gray.
	30	S-6	5/60	0.6				S-6 (30'- 35') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine, ~5% fines; max. size 0.5", brown.
-25								

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BORING LOG
PAGE 3 of 3
CGSB-98

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	35	S-7	5/36	0.5			CGSB-98 (34-35)	S-7 (35'- 40') WIDELY GRADED SAND (SW); ~100% sand, fine to medium; brown.
-30								
	40	S-8	6/60	0.6				S-8 (40'- 46') WIDELY GRADED SAND (SW); ~95% sand, fine to medium, ~5% gravel, fine; max. size 0.5".
-35								
	45							End of Boring at 46 feet. Grout to surface.

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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CITY/STATE:	Brooklyn, New York
GEI PROJECT NUMBER:	093250

BORING LOG

PAGE 1 of 3

CGSB-143

GROUND SURFACE ELEVATION (FT):	2.06	LOCATION:	140 3rd Street - Forno Marble
NORTHING (FT):	671619	EASTING (FT):	633136
TOTAL DEPTH (FT):	50.0		
DRILLED BY:	Zebra / Charles Green	DATUM VERT. / HORZ.:	NAVD 1988 / NAD83 NY East Zone
LOGGED BY:	Nick Morang and Amy Malsbary	DATE START / END:	5/11/2013 - 5/11/2013

DRILLING DETAILS:

WATER LEVEL ELEVATIONS (FT):

GENERAL NOTE: Survey coordinates and elevation are estimated. Weather: ~70 degrees, light rain, humid.
PID instruments are sensitive to rain and humidity which sometimes result in falsely elevated readings.

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	0	S-1	5/NM						(0'- 1.8') CONCRETE.
									(1.8'- 3.2') NARROWLY GRADED SAND WITH SILT (SP-SM); ~80% sand, fine, ~10% gravel, ~10% fines; max. size 1, moist, brown, brick and coal fragments. FILL.
							PLO		(3.2'- 3.8') NARROWLY GRADED SAND WITH SILT (SP-SM); ~80% sand, fine, ~10% gravel, ~10% fines; max. size 0.75, moist, light brown, coal fragments, glass fragments at 2.9'. FILL.
				152					(3.8'- 5') WIDELY GRADED SAND WITH GRAVEL (SW); ~75% sand, fine, ~20% gravel, ~5% fines; max. size 1, moderate petroleum-like odor, moist, brick fragment at 3.4', black stained. FILL.
	5	S-2	5/42						(5'- 5.6') SILTY SAND (SM); ~80% sand, fine, ~15% fines, ~5% gravel; max. size 0.5, moist, brown, slight musty odor, lenses of black, brick fragments. FILL.
-5				8.2					(5.6'- 7.1') NARROWLY GRADED SAND WITH SILT AND GRAVEL (SP-SM); ~75% sand, fine, ~15% gravel, ~10% fines; max. size 0.75, wet to moist, brown and light brown, slight musty odor. FILL.
									(7.1'- 7.4') NARROWLY GRADED GRAVEL (GP); ~90% gravel, ~10% sand, fine to medium; max. size 1.25, moist, grayish brown and red, brick fragments. FILL.
									(7.4'- 7.7') NARROWLY GRADED SAND (SP); ~95% sand, fine, ~5% gravel; brick and shell fragments. FILL.
									(7.7'- 10') NARROWLY GRADED SAND WITH GRAVEL (SP); ~85% sand, fine to medium, ~15% gravel; max. size 1, wet to moist, light brown, lenses of dark gray, metal staple, shell fragment. FILL.
	10	S-3	5/42						(10'- 11.1') WIDELY GRADED SAND WITH SILT AND GRAVEL (SW-SM); ~70% sand, fine, ~20% gravel, ~10% fines; max. size 1, wet, brown, red brick fragments. FILL.
							NLO		(11.1'- 12') NARROWLY GRADED SAND WITH SILT (SP-SM); ~80% sand, fine to medium, ~10% gravel, ~10% fines; max. size 0.5, slight naphthalene-like odor, grayish brown, FILL.
-10				114			NLO		(12'- 13.9') NARROWLY GRADED SAND (SP); ~85% sand, fine to medium, ~10% gravel, ~5% fines; max. size 1, moderate naphthalene-like odor, reddish brown, sheen, tar staining. FILL.
							NLO		(13.9'- 15') NARROWLY GRADED SAND (SP); ~85% sand, fine to coarse, ~10% gravel, ~5% fines; max. size 1, slight
	15								

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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CLIENT:	National Grid
PROJECT:	Citizens Gas Works
CITY/STATE:	Brooklyn, New York
GEI PROJECT NUMBER:	093250

BORING LOG

CGSB-143

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	15	S-4	5/60	11			NLO		naphthalene-like odor, reddish brown, coal fragment. FILL. (15'- 17.9') NARROWLY GRADED SAND (SP); ~85% sand, fine to medium, ~10% gravel, ~5% fines; max. size 0.5, slight naphthalene-like odor, wet to moist, brown and light brownish gray, red brick fragments, silty lens from 17.2-17.4', spots of sheen. FILL.
-15									
							OLO		(17.9'- 20') ELASTIC SILT (MH); ~95% fines, low plasticity, ~5% sand, fine to medium; slight organic-like odor, moist, gray, gold peat fragments.
	20	S-5	5/0						No Recovery
-20									
	25	S-6	5/46	17.8					(25'- 25.4') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; moist, grayish brown. (25.4'- 26.2') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; grayish brown with orange marbled color. (26.2'- 30') SILT (ML); ~95% fines, ~5% sand; non-plastic to low plasticity, gray with olive lenses, sandy lens from 28.9-29.1'.
-25									
	30	S-7	5/60						(30'- 32') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, ~10% fines; wet, grayish brown, spots of sheen.
-30									(32'- 32.8') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, ~10% fines; wet, grayish brown.
								CGSB-143	(32.8'- 34.4') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, ~10% fines; wet, grayish brown, tar

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BORING LOG
PAGE 3 of 3
CGSB-143

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
				9999+				(33-34)	coated from 32.8-33.4', blebs and pockets of coating from 33.4-34.4.
	35	S-8	5/60				NLO		(34.4'- 35') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, ~10% fines; wet, grayish brown.
				1784			NLO		(35'- 35.5') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, ~10% fines; strong naphthalene-like odor, wet, sheen, heavy staining.
-35							NLO		(35.5'- 35.8') SILT (ML); ~95% fines, ~5% sand; strong naphthalene-like odor, wet, brown, sheen.
							NLO		(35.8'- 37.2') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; strong naphthalene-like odor, wet, grayish brown to brown, olive streaks from 35.8-36.1', few pieces of fine subangular gravel near the botttom, sheen.
							NLO		(37.2'- 37.5') SILTY SAND (SM); ~85% sand, ~15% fines; strong naphthalene-like odor, wet, brown.
									(37.5'- 40') WIDELY GRADED SAND (SW); ~95% sand, ~5% fines; slight naphthalene-like odor, wet, brown, silty lens from 38.2-38.4', slight sheen at 37.8'.
	40	S-9	5/53				NLO		(40'- 41.8') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; strong naphthalene-like odor, wet, brown.
				3754					
-40							NLO		(41.8'- 44.1') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; slight naphthalene-like odor, moist, light brown.
									(44.1'- 45') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; moist, brown.
	45	S-10	5/60						(45'- 48.2') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; moist, brown to dark brown.
-45									
				1083				CGSB-143 (48.5-50)	(48.2'- 50') NARROWLY GRADED SAND (SP); ~95% sand, ~5% fines; slight naphthalene-like odor, moist, dark brown, spots of sheen.
							NLO		
	50								End of Boring at 50 feet. Refusal at 50 feet.

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BORING LOG
PAGE 1 of 5
CGSB-145/CGMW-44

GROUND SURFACE ELEVATION (FT): 14.86 **LOCATION:** West 9th Street
NORTHING (FT): 671129 **EASTING (FT):** 631321 **TOTAL DEPTH (FT):** 80.0
DRILLED BY: Boart Longyear / Frank Gardella **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Chris Anastasiou **DATE START / END:** 11/19/2012 - 11/20/2012
DRILLING DETAILS:
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0		5/NM	0.0			(0'- 0.8') CONCRETE. (0.8'- 1') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse, ~25% gravel, fine to coarse, ~5% fines; brown. (1'- 2') SILTY SAND (SM); ~60% sand, fine, ~30% fines, ~10% gravel, fine to coarse; brown. (2'- 3') WIDELY GRADED SAND WITH SILT (SW-SM); ~70% sand, fine to coarse, ~20% gravel, fine to coarse, ~10% fines; brown. (3'- 5') SILTY SAND (SM); ~60% sand, fine to medium, ~35% fines, ~5% gravel, fine to coarse; max. size 3, brown.
10	5		5/30	0.0			(5'- 7') WIDELY GRADED SAND WITH GRAVEL (SW); ~80% sand, fine to coarse, ~15% gravel, fine to coarse, ~5% fines; brown. (7'- 10') SILTY SAND WITH GRAVEL (SM); ~60% sand, fine to coarse, ~25% fines, ~15% gravel, fine to coarse.
5	10		5/32	0.0			(10'- 12.7') SILTY SAND (SM); ~75% sand, fine to coarse, ~15% fines, ~10% gravel, fine to coarse; brown. (12.7'- 15') SILTY SAND (SM); ~70% sand, fine to medium, ~30% fines; brown.
0	15						

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BORING LOG

CGSB-145/CGMW-44

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	15		5/36	0.0			(15'- 20') SILTY SAND (SM); ~70% sand, fine, ~30% fines; wet, brown.
-5	20		5/38	0.0			(20'- 25') SILTY SAND (SM); ~75% sand, fine to medium, ~25% fines; wet, brown.
-10	25		5/40	0.0			(25'- 30') SILTY SAND (SM); ~65% sand, fine, ~35% fines; brown.
-15	30		5/48	0.0			(30'- 35') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to medium, ~10% fines; brown.

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BORING LOG

CGSB-145/CGMW-44

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-20	35		5/48	0.0			(35'- 40') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; brown.
-25	40		5/38	0.0			(40'- 43') SILTY SAND (SM); ~80% sand, fine to coarse, ~20% fines; brown.
							(43'- 45') SILTY SAND (SM); ~65% sand, fine to medium, ~35% fines; brown.
-30	45		5/36	0.0			(45'- 48.9') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown.
							(48.9'- 50') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; brown.
-35	50		5/48	0.0			(50'- 52.5') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; brown.

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S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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CLIENT:	National Grid
PROJECT:	Citizens Gas Works
CITY/STATE:	Brooklyn, New York
GEI PROJECT NUMBER:	093250

BORING LOG

CGSB-145/CGMW-44

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
-40	55		5/38	0.0			(52.5'- 55') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown.
							(55'- 58.4') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown.
							(58.4'- 60') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine to coarse, ~5% fines; brown.
-45	60		5/40	0.0			(60'- 66.4') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse, ~25% gravel, fine to coarse, ~5% fines; brown.
-50	65		5/44	0.0		CGSB-145 (67-70)	(66.4'- 80') WIDELY GRADED SAND WITH GRAVEL (SW); ~80% sand, fine to coarse, ~15% gravel, fine to coarse, ~5% fines; brown.
-55	70						

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BORING LOG

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CGSB-145/CGMW-44

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
			5/36	0.0			
-60	75		5/44	0.0			
-65	80						End of Boring at 80 feet.

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG
PAGE 1 of 5
CGSB-146

GROUND SURFACE ELEVATION (FT): 11.53 **LOCATION:** Bayside Fuel Depot
NORTHING (FT): 670919 **EASTING (FT):** 631410 **TOTAL DEPTH (FT):** 80.0
DRILLED BY: Boart Longyear / Frank Gardella **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Chris Anastasiou **DATE START / END:** 11/6/2012 - 11/7/2012
DRILLING DETAILS:
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
10	0		5/NM						(0'- 0.1') ASPHALT. (0.1'- 4.5') SILTY SAND WITH GRAVEL (SM); ~55% sand, fine to coarse, ~25% gravel, fine to coarse, ~20% fines; moist, brown, brick fragments. FILL.
									(4.5'- 5') BRICK.
5	5		5/48	1325			PLO		(5'- 6.9') SILTY SAND WITH GRAVEL (SM); ~40% sand, fine to coarse, ~30% gravel, fine to coarse, ~30% fines; moderate petroleum-like odor, black.
							PLO		(6.9'- 7.3') SILTY SAND (SM); ~80% sand, fine to coarse, ~20% fines; moderate petroleum-like odor, dark brown.
							PLO		(7.3'- 8.3') SILTY SAND (SM); ~85% sand, fine, ~15% fines; moderate petroleum-like odor, dark black.
								CGSB-146 (9-10)	(8.3'- 10') SILTY SAND (SM); ~85% sand, fine, ~15% fines; tan and brown.
0	10		5/48	372			PLO		(10'- 11.9') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; moderate petroleum-like odor, black staining.
							PLO		(11.9'- 12.5') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; moderate petroleum-like odor, dark brown.
	15						PLO		(12.5'- 15') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; moderate petroleum-like odor, brown.

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG

CGSB-146

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	15		5/48	35					(15'- 18') BOG MATERIAL.
-5									
									(18'- 20') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to medium, ~10% fines; gray.
	20		5/48	104.3					(20'- 25') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to medium, ~10% fines; brown.
-10									
	25		5/48	61.3					(25'- 30') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; wet, brown.
-15									
	30		5/48	0.0					(30'- 33.8') SILTY SAND (SM); ~85% sand, fine to coarse, ~15% fines; wet, brown.
-20									

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BORING LOG
PAGE 3 of 5
CGSB-146

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	35		5/48	0.0					(33.8'- 35') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; wet, brown.
-25									(35'- 37.5') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown, orange band of iron.
									(37.5'- 38.8') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; gray.
									(38.8'- 40') SANDY SILT (ML); ~50% sand, fine, ~50% fines; gray.
	40		5/48	0.0				CGSB-146 (40-45)	(40'- 42.7') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; grayish brown.
-30									(42.7'- 45') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brownish orange.
	45		5/48	0.0					(45'- 46.7') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; wet, brown.
-35									(46.7'- 47.5') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; wet, brown.
									(47.5'- 50') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown.
	50		5/48	0.0					(50'- 55') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; wet, brown.
-40									

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG
PAGE 4 of 5
CGSB-146

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	55		5/36	0.0					(55'- 56.7') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine to coarse, ~5% fines; wet, brown.
-45									(56.7'- 57.2') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine, ~5% fines; wet, red.
									(57.2'- 60') WIDELY GRADED SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine to coarse, ~5% fines; wet, brown.
	60		5/30	0.0					(60'- 65') WIDELY GRADED SAND WITH GRAVEL (SW); ~65% sand, fine to coarse, ~30% gravel, fine to coarse, ~5% fines; wet, brown.
-50									
	65		5/48	0.0					(65'- 75') WIDELY GRADED SAND WITH GRAVEL (SW); ~65% gravel, fine to coarse, ~60% sand, fine to coarse; brown.
-55									
	70								

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG

CGSB-146

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
			5/44	0.0					
-60									
	75		5/48	0.0					(75'- 80') WIDELY GRADED SAND WITH GRAVEL (SW); ~65% sand, fine to coarse, ~30% gravel, fine to coarse, ~5% fines; light brown.
-65									
	80								End of Boring at 80 feet.

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BORING LOG
PAGE 1 of 5
CGSB-147

GROUND SURFACE ELEVATION (FT): 7.80 **LOCATION:** Bayside Fuel Depot
NORTHING (FT): 670637 **EASTING (FT):** 631288 **TOTAL DEPTH (FT):** 80.0
DRILLED BY: Boart Longyear / Frank Gardella **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Chris Anastasiou **DATE START / END:** 11/8/2012 - 11/8/2012
DRILLING DETAILS:
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE: Survey coordinates and elevation are estimated.

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0		5/NM						(0'- 0.1') ASPHALT. (0.1'- 5') WIDLEY GRADED GRAVEL WITH SAND (GW); ~70% gravel, fine to coarse, ~30% sand, fine to coarse; FILL.
5									
	5		5/36	181			NLO	CGSB-147 (7-8)	(5'- 8.6') ~40% sand, fine to coarse; moderate naphthalene-like odor, black tar staining. FILL.
0									
							NLO		(8.6'- 10') SANDY SILT (ML); ~60% fines, ~40% sand, fine to coarse; moderate naphthalene-like odor, black staining.
	10		5/48	1.1					(10'- 15') SILT (ML); ~100% fines; moderate organic-like odor, gray.
-5							OLO		
	15								

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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BORING LOG
PAGE 2 of 5
CGSB-147

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	15		5/48	25.2					(15'- 20') SILT (ML); ~100% fines.
-10									
	20		5/24	38					(20'- 25') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, gray.
-15									
	25		5/38	33.5			NLO		(25'- 25.7') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; slight naphthalene-like odor, gray.
							NLO		(25.7'- 25.8') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; slight naphthalene-like odor, gray, tar band.
-20									(25.8'- 28.2') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown.
							NLO		(28.2'- 30') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; slight naphthalene-like odor, gray.
	30		5/48	3.3					(30'- 31.3') SILTY SAND (SM); ~85% sand, fine to coarse, ~15% fines; brown.
-25									(31.3'- 35') SILTY SAND (SM); ~85% sand, fine, ~15% fines; brown.

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BORING LOG

CGSB-147

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	35		5/40	4.1					(35'- 36.5') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown.
									(36.5'- 37.3') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; gray.
-30								CGSB-147 (38-40)	(37.3'- 45') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown.
	40		5/48	5.8					
-35									
	45		5/48	3.9					(45'- 50') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; brown.
-40									
	50		5/36	1.2					(50'- 55') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine to coarse, ~5% fines; brown.

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BORING LOG

CGSB-147

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
-45	55		5/40	0.5					(55'- 60') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine to coarse, ~5% fines; brown.
-50	60		5/48	1.3					(60'- 65') WIDELY GRADED SAND WITH GRAVEL (SW); ~70% sand, fine to coarse, ~25% gravel, fine to coarse, ~5% fines; brown.
-55	65		5/48	0.6					(65'- 70') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine to coarse, ~5% fines; brown.
-60	70								

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NM = NOT MEASURED
Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG

CGSB-147

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
			5/34	0.0					(70'- 75') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown.
-65									
	75		5/48	0.0					(75'- 80') WIDELY GRADED SAND WITH SILT (SW-SM); ~90% sand, fine, ~10% fines; brown.
-70									
	80								End of Boring at 80 feet.

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

GEI Consultants, Inc.
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(860) 368-5300

CLIENT:	National Grid
PROJECT:	Citizens Gas Works
CITY/STATE:	Brooklyn, New York
GEI PROJECT NUMBER:	093250

BORING LOG

PAGE 1 of 3

CGSB-150/CGMW-46

GROUND SURFACE ELEVATION (FT):	11.28	LOCATION:	Garnet Street
NORTHING (FT):	670881	EASTING (FT):	631263
TOTAL DEPTH (FT):	35.0		
DRILLED BY:	Zebra / Evan Moraits	DATUM VERT. / HORZ.:	NAVD 1988 / NAD83 NY East Zone
LOGGED BY:	Nick Morang and Amy Malsbary	DATE START / END:	5/20/2013 - 5/20/2013

DRILLING DETAILS:

WATER LEVEL ELEVATIONS (FT):

GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
10	0		5/NM				(0'- 0.4') CONCRETE; Sidewalk slab. (0.4'- 1.5') WIDELY GRADED SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine to coarse, ~5% fines; dark gray.
							(1.5'- 1.8') BRICK. (1.8'- 10.5') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; dry, brown to grayish brown.
5	5	S-1	5/40	0.0			
0	10	S-2	5/59	0.0			(10.5'- 11.9') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, brown to grayish brown. (11.9'- 20') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, reddish brown.
	15						

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG

PAGE 2 of 3

CGSB-150/CGMW-46

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	15	S-3	5/58	0.0			
-5							
	20	S-4	5/60	0.0			(20'- 23.1') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; saturated, reddish brown.
-10							(23.1'- 24') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; moist, reddish brown.
							(24'- 25') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, reddish brown.
	25	S-5	5/60	0.0		CGSB-150 (26-27)	(25'- 26.8') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; cohesive, saturated, reddish brown.
-15							(26.8'- 28.3') NARROWLY GRADED SAND (SP); ~95% sand, fine, ~5% fines; saturated, reddish brown.
							(28.3'- 34.2') WIDELY GRADED SAND (SW); ~95% sand, fine to coarse, ~5% fines; wet, reddish brown, lenses of fine sand from 29.6 to 29.8'.
	30	S-6	5/61				
-20							

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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CLIENT:	National Grid
PROJECT:	Citizens Gas Works
CITY/STATE:	Brooklyn, New York
GEI PROJECT NUMBER:	093250

BORING LOG

CGSB-150/CGMW-46

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	35						(34.2'- 35') SILTY SAND (SM); ~70% sand, fine, ~30% fines; moist, dark gray.
							End of Boring at 35 feet.

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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 1 of 3
CGSB-151/CGMW-47

GROUND SURFACE ELEVATION (FT): 8.32 **LOCATION:** Centre Street
NORTHING (FT): 670641 **EASTING (FT):** 631192 **TOTAL DEPTH (FT):** 35.0
DRILLED BY: Zebra / Evan Moraits **DATUM VERT. / HORZ.:** NAVD 1988 / NAD83 NY East Zone
LOGGED BY: Nick Morang and Amy Malsbary **DATE START / END:** 5/20/2013 - 5/20/2013
DRILLING DETAILS:
WATER LEVEL ELEVATIONS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0		5/NM					(0'- 0.3') CONCRETE; Sidewalk slab. (0.3'- 1.5') WIDELY GRADED SAND WITH GRAVEL (SW); ~60% sand, fine to coarse, ~40% gravel, fine to coarse; moist, brownish gray. (1.5'- 5') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; moist, reddish brown.
5				0.0				
	5	S-1	5/41					(5'- 6.6') NARROWLY GRADED SAND WITH GRAVEL (SP); ~80% sand, fine to medium, ~15% gravel, fine to coarse, subangular to subrounded, ~5% fines; max. size 1.5, moist, reddish brown, coal fragments. (6.6'- 10') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; moist, wet at 8.8'.
0				0.0				
	10	S-2	5/53					(10'- 15') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; saturated.
-5				0.0				
	15							

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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Glastonbury, CT 06033
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CLIENT: National Grid
PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG
PAGE 2 of 3
CGSB-151/CGMW-47

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	15	S-3	5/60	0.0				(15'- 15.9') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; saturated, brown, ~15% fine gravel from 15.7 to 15.9'. (15.9'- 16.9') NARROWLY GRADED SAND (SP); ~90% sand, fine to medium, ~5% gravel, fine, subangular to subrounded, ~5% fines; max. size 0.25, saturated, brown. (16.9'- 19.5') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet to saturated, brown to light brown.
-10								
	20	S-4	5/61	0.0		OLO		(19.5'- 20') NARROWLY GRADED SAND (SP); ~95% sand, fine, ~5% fines; cohesive, slight organic-like odor, saturated, brown. (20'- 21.1') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, grayish brown, slight musty odor. (21.1'- 23.6') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine to medium, ~10% fines; saturated, brown.
-15								
	25	S-5	5/60	0.0			CGSB-151 (26-27)	(23.6'- 24.1') NARROWLY GRADED SAND WITH SILT (SP); ~90% sand, fine, ~10% fines; saturated, olive brown. (24.1'- 25.8') NARROWLY GRADED SAND (SP); ~95% sand, medium to coarse, ~5% fines; saturated, reddish brown. (25.8'- 26.3') SILT (ML); ~95% fines, low plasticity, ~5% sand, fine; cohesive, wet, gray. (26.3'- 28.5') SANDY SILT (ML); ~70% fines, low plasticity, ~30% sand, fine; cohesive, wet, gray.
-20								
	30	S-6	5/60					(28.5'- 29') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; wet, gray, lense of silt from 28.8 to 29.9'. (29'- 30.7') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, brown, slight musty odor. (30.7'- 31') SILTY SAND (SM); ~85% sand, fine to medium, ~15% fines; cohesive, wet, gray and brown. (31'- 31.3') NARROWLY GRADED SAND WITH SILT (SP-SM); ~90% sand, mostly fine, ~10% fines; cohesive, wet, gray. (31.3'- 33.7') NARROWLY GRADED SAND (SP); ~95% sand, fine to medium, ~5% fines; wet, grayish brown to brown, slight musty odor.
-25								

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ENVIRONMENTAL BORING LOG ALL CITIZENS BORINGS 072512.GPJ FULTON DATA TEMPLATE.GDT 1/27/16

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PROJECT: Citizens Gas Works
CITY/STATE: Brooklyn, New York
GEI PROJECT NUMBER: 093250

BORING LOG

CGSB-151/CGMW-47

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
								(33.7'- 35') SANDY SILT (ML); ~80% fines, low plasticity, ~20% sand, fine; cohesive, moist, grayish brown.
	35							End of Boring at 35 feet.

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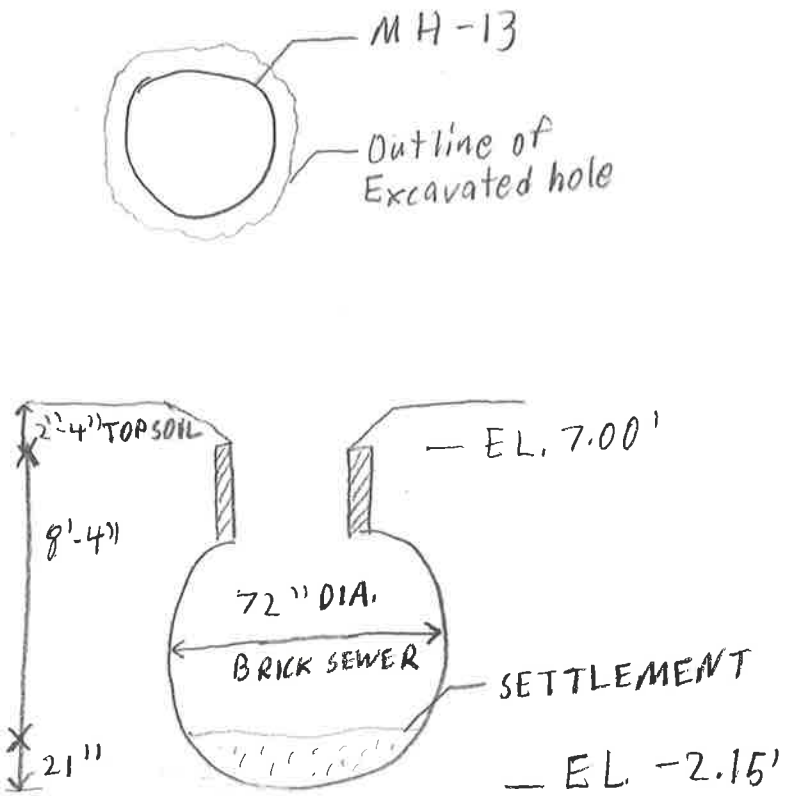
Test Pit Log

CGTP-205

Project: CITIZENS FORMER MGP PILOT TEST PROGRAM
City/Town: BROOKLYN, NY
Client: NATIONAL GRID
Contractor: Mc Vac Environmental
Equipment/Reach: HAND DIG
Operator: J. O'KEEFE GEI Rep.: S. DIBARTOLO
Weather: FOGGY ~ low 50's F, DRIZZLE

Location: MH + 13 Along Sewer Line Between Gowanus Canal and 98 4th St
Ground El.: 7.00'
Datum: NAVD 88
GEI Proj. No.: 093250-1-1117
Date: 12/10/12

Depth (ft)	Sample No. and Type	Sample Depth (ft)	Soil Description



Notes:
1) 2"-4" TOPSOIL COVERING MH-13.
2) 72" DIA. SEWER
3) ELEVATIONS OF MH RIM AND INVERT ARE FROM GEOD SEWER SURVEY, APRIL 2013

Pit Dimensions (ft)
Length: 4
Width: 4
Depth: 9.5

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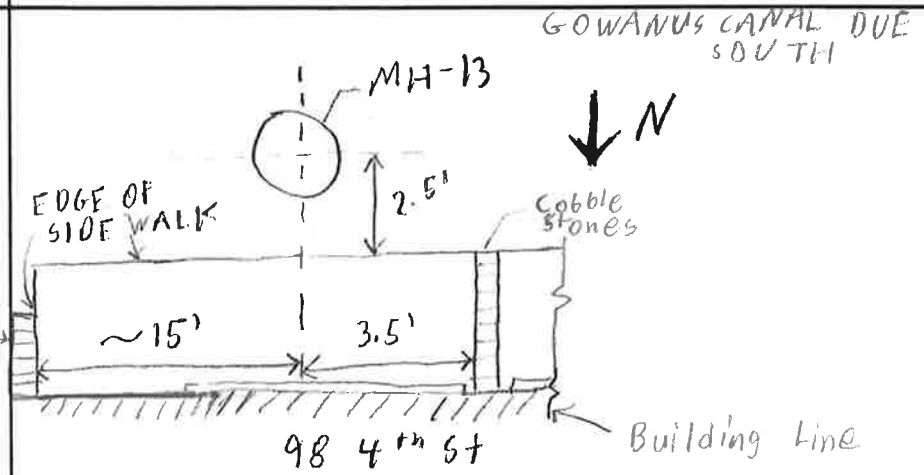
Test Pit Log

CGTP-205

Project: CITIZENS FORMER MGP PILOT TEST PROGRAM
City/Town: BROOKLYN, NY
Client: NATIONAL GRID
Contractor: Mc Vac Environmental
Equipment/Reach: HAND DIG
Operator: J. O'KEEFE GEI Rep. S. DIBARTOLO
Weather: FOGGY ~ low 50's F, DRIZZLE

Page 2 of 2
Location: MH + 13 Along Sewer Line Between Gowanus Canal and 98 4th St
Ground El. 7.00'
Datum: NAVD 88
GEI Proj. No. 093250-1-1117
Date: 12/10/12

Depth (ft)	Sample No. and Type	Sample Depth (ft)	Soil Description



Notes:

Pit Dimensions (ft)
Length: 4
Width: 4
Depth: 9.5

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TEST PIT LOG

CGTP-205

Project	Citizens Pilot Test Program	**PG.**	**OF**
City/Town	Brooklyn, NY	**Location**	Between Parcel II and 98 4th Street
Client	National Grid	**Ground El.**	7.0 ft
Contractor	Mc Vac Environmental	**Datum**	NAVD 88
Equipment/Reach	Hand Dug	**GEI Proj. No.**	093250-1-1117
Operator	John O'Keefe **GEI Rep** S. DiBartolo	**Date**	12/10/2012
Weather	Foggy, Low 50's F, Drizzle then Light Rain		

Depth	Sample No. and Type	Sample Depth (ft)	Soil Description

Photo 1: facing west-northwest.

Photo 2: facing northeast.

Notes:

Pit Dimensions (ft)	
length	4 ft
width	4 ft
depth	9.5 ft

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