ATTACHMENT D
SECTION IV: PROPERTY'S ENVIRONMENTAL HISTORY

The site is located in the Gowanus Neighborhood of Brooklyn and in an area of historical industrial operations, which include the Fulton Works Manufactured Gas Plant (MGP) that have resulted in environmental impacts to the subsurface. Fulton Works gas holder 4 is located on a portion of the proposed BCP site (western part of Lot 17). The proposed site is eligible for the BCP based on the concentrations of non-MGP-related contaminants that exceed the criteria for the reasonably anticipated use of the site (restricted-residential), throughout the site and above gas holder 4.

Item 1 - Environmental Reports

Environmental reports and related documents prepared for the proposed brownfield site include the following (copies are provided with this attachment):

1. Site Characterization Investigation Report, Fulton Former Manufactured Gas Plant, prepared by the New York State Department of Environmental Conservation (NYSDEC), dated September 2007
2. Final Remedial Investigation Report (RIR), Fulton Former Manufactured Gas Plant, prepared by GEI Consultants (GEI), dated July 2012
3. Proposed Remedial Action Plan (PRAP), K – Fulton Works Operable Unit Number 01, prepared by NYSDEC, dated April 2015.
4. Draft Phase I: Environmental Site Assessment (ESA) for 553 Sackett Street, prepared by Langan, dated August 18, 2021.
5. Historical Maps and Database Listings, provided by Environmental Data Resources, Inc. (EDR), dated August 27, 2021.
6. August 2021 Limited Subsurface Investigation Package, prepared by Langan, dated October 2021.

The following presents a summary of relevant findings for each report:

Site Characterization Investigation Report, prepared by the NYSDEC, dated September 2007

This investigation was performed to assess the nature and extent of impacts associated with the former Fulton Works Manufactured Gas Plant (MGP), and to determine the need for additional remedial investigation. Field activities were primarily conducted at Thomas Greene Park, the northern adjoining property, and its surrounding right-of-ways. The investigation was conducted between April 17 and June 7, 2007 and included the advancement of 29 soil borings, collection

of 13 soil samples and the completion of seven of the soil borings as groundwater monitoring wells. Borings KSF-SB19 and KSF-SB-20 are located on the northwestern and northeastern adjacent sidewalk of the proposed brownfield site, respectively, and KSF-SB-28 and KSF-SB-29 are located on southwestern and southeastern adjacent sidewalks of the proposed brownfield site, respectively.

Fill was encountered below the site cover to depths of up to 20 feet below grade surface (bgs) across the MGP footprint underlain by native soils consisting of silt, sand, gravel and clay. A layer of silty clay and peat was encountered at about 20 feet bgs in the area of Thomas Greene Park, the northern adjacent property. Groundwater was encountered between 6 to 8 feet bgs. A review of soil boring logs indicates the presence of coal in KSF-SB-19 below site cover to about 13.5 feet bgs. Coal tar non-aqueous phase liquid (NAPL) was observed at KSF-SB-20 (adjacent Degraw Street sidewalk) from about 9 to 16 feet bgs, where refusal was encountered.

MGP-related compounds generally include the volatile organic compounds (VOCs) benzene, toluene, ethylbenzene and total xylenes (collectively referred to as BTEX), the semivolatile organic compound (SVOCs) naphthalene and polycyclic aromatic hydrocarbons (PAHs), cyanide and heavy metals. Sampling results indicate the presence of ethylbenzene and naphthalene in boring KSF-SB-20 at concentrations above the NYSDEC Title 6 New York City Rules and Regulation (NYCRR) Part 375 Unrestricted Use (UU) Soil Cleanup Objectives (SCOs) at a depth interval of 14 to 16 feet bgs. PAHs were detected at concentrations above the NYSDEC Part 375 Restricted-Use Restricted-Residential (RR) and Commercial Use (CU) SCOs.

Final Remedial Investigation Report, prepared by GEI, dated July 2012

The July 2012 RIR was prepared by GEI to investigate the subsurface conditions in the footprint of the former Fulton Works MGP site. Coal and oxide storage were located along the southwestern portion of 560 Degraw Street and a coal shed and 284,000 cubic foot gas holder, were located in the northwestern portion of 560 Degraw Street (i.e., the proposed brownfield site).

The remedial investigation (RI) was conducted pursuant to the executed modification to the multi-site Administrative Order on Consent (AOC) and Administrative Settlement [Index No. A2-0552-0606] between National Grid and NYSDEC, dated August 7, 2007. The former Fulton MGP Site consists of eight parcels. Parcel III includes the southwestern portion of 560 Degraw Street and Parcel IV occupies the northwest portion 560 Degraw Street. Figure 3 of GEI's RIR depicts the historical MGP structures, parcel boundaries and RI study area sample locations. Langan's review of the RIR revealed that the site contains soil, groundwater and soil vapor contamination that includes soil concentrations above CUSCOs, associated with the historical MGP facilities. These impacts are described below.

GEI advanced 5 soil borings, excavated three test pits, installed 4 monitoring wells and 2 soil vapor points, and collected soil samples, groundwater samples, soil vapor samples and an ambient air sample at the proposed brownfield site. Fill was observed below the site cover to depths of up to 20 feet bgs. Alluvial sands or marsh deposits (meadow mat) were encountered below the historic fill. Tar was observed within the former gas holder footprint at depths of about 13 to 19 feet bgs. Petroleum (i.e., non-MGP) and naphthalene-like impacts (including staining, odor and visible DNAPL) were identified in soil samples collected in the vicinity of the gas holder footprint between 8 feet and 23 feet bgs. Based on field observations, GEI suspected that the observed tar in soil beneath Parcels III and IV had migrated laterally from Parcel II atop the meadow mat layer. According to GEI, the gas holder foundation at the proposed brownfield site appeared to be intact, but may not prevent leakage.

Langan compared the analytical results presented in the surface and subsurface soil report tables to NYSDEC Part 375 UUSCOs, and CUSCOs. Groundwater sample results were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standard (AWQS) and Guidance Values for Class GA (drinking water). No standard currently exists for soil vapor samples in New York State. For reference, soil vapor sample results were compared to background concentrations detected in the ambient air sample and to the New York State Department of Health (NYSDOH) Decision Matrices, as presented in the Guidance for Soil Vapor Intrusion in the State of New York (October 2006 with updates, herein referred to as SVI Guidance). The NYSDOH Decision Matrices present recommended actions based on the concentrations of trichloroethene (TCE); cis-1,2-dichlorethene; 1,1-dichloroethene; carbon tetrachloride; tetrachloroethene (PCE); 1,1,1-trichloroethane; methylene chloride; and vinyl chloride in soil vapor.

Analytical results indicated that soil and fill were impacted by historical site use as an MGP. In addition, contaminants related to post-MGP use, including petroleum, pesticides, PCBs, and metals, were detected in soil at the proposed brownfield site. Soil contaminants include polychlorinated biphenyls (PCBs) and PAHs, at concentrations above their UUSCOs and CUSCOs, metals (including copper, mercury and lead) and pesticides above their UUSCOs. MGP-related impacts were identified at depths ranging from 13 to 19 feet bgs and include BTEX, naphthalene, and PAHs (detected at concentrations an order of magnitude greater than those attributed to fill) at concentrations above UUSCOs and CUSCOs. FW-SB-16, located to the southwest of the former gas holder, contained anomalously high concentrations (maximum of two orders of magnitude greater than the CUSCO) of metals from the 1 to 2 feet bgs interval. MGP-related impacts, including SVOCs and BTEX, above their CUSCOs, were identified in soil borings collected from within and from outside the former gas holder footprint.

Petroleum-related VOCs, including BTEX compounds and methyl tert-butyl ether (MTBE), and PAHs were detected above their AWQS in all groundwater samples collected.

Soil vapor samples contained petroleum-related compounds and the chlorinated solvent (PCE). Total BTEX was generally detected at concentrations four times greater than the ambient air sample. Naphthalene was detected in the soil vapor sample collected from within the former gas holder footprint at a concentration two times greater than the soil vapor samples collect from outside the former gas holder footprint. Naphthalene was not detected in the ambient air sample. PCE was generally detected at concentrations greater than the ambient air sample by one order of magnitude. Given the maximum detected concentration of PCE in soil vapor, the guidance document, at the time, recommended 'no further action' to 'take reasonable and practical actions to identify source(s) and reduce exposures'. Total VOC concentrations ranged from about 805 to 1,375 micrograms per cubic meter ($\mu g/m^3$), compared to the ambient air total VOC concentration of about 98 $\mu g/m^3$.

Proposed Remedial Action Plan prepared by the NYSDEC, dated April 2015

The PRAP addressed the impacts associated with the former Fulton MGP. The proposed remedy is referred to as the Containment, Coal Tar Recovery and Excavation/Solidification remedy. The remedy includes near-term and future actions, which will require voluntary agreements by property owners for site access to implement remedial actions. The near-term elements of the PRAP that are relevant to the proposed BCP site include the following:

1. Imposition of institutional controls in the form of environmental easements (EE). The EE will require periodic certification of institutional and engineering controls (IC/EC), restrict use of groundwater as potable or process water, and require compliance with a Site Management Plan (SMP).
2. Implementation of an SMP, which will include an IC/EC Control Plan, which identifies all use restrictions and engineering controls and details the requirements to ensure IC/ECs remain in place and are effective. The IC is the EE described above. The engineering controls include the barrier wall, coal tar recovery system, cover system, and solidified soil.

   An Interim SMP is required to manage site activities until the final SMP is approved.

Future actions include excavation/stabilization of MGP structures and source material, additional source removal evaluation areas, and in-situ solidification (ISS). The following is a description of NYSDEC proposed remedial actions:

1. Excavation of MGP structures, including former gas holder foundations and tanks and surrounding impacted soil, will be conducted at Parcels III and IV. The excavation area is

expected to encompass both parcels, measuring approximately 200 feet by 75 feet by 20 feet deep, generating about 11,000 cubic yards of waste. In cases where mobile NAPL is known or suspected, the support of excavation will be designed such that it will remain in place to act as a hydraulic barrier to prevent migration of coal tar to remediated areas.

2. The need for additional soil removal will be determined during a pre-design investigation. The soil will either be removed or subject to in-situ stabilization (ISS). For areas subject to ISS, a four-foot soil cover will be established between the solidified layer and the finished ground surface.

Historical Documents and Regulatory Database Search, provided by Environmental Data Resources, Inc. (EDR), dated August 18, 2021, and summarized by Langan

Langan reviewed historical documents including topographic maps, Sanborn fire insurance maps and aerial photographs of the proposed brownfield site for the years spanning 1886 to 2011. City directory listings and regulatory database listings were also reviewed.

Langan's review of these documents revealed that the proposed brownfield site and surrounding area has been developed for residential, commercial and industrial uses since at least 1886. Fulton Municipal Gas Co., which included a gas holder, lime shed, lime kilns, and a coal shed, occupied the western portion of 560 Degraw Street from at least 1886 to 1938, after which, the property was occupied by various auto-related facilities, including a used truck storage, auto wrecking, auto repair and a filling station. By 1991 the site appears similar to present day configuration.

Draft Phase I: ESA for 553 Sackett Street, prepared by Langan, dated August 18, 2021

Langan prepared a draft Phase I ESA on behalf of Bella Venezia, LLC for a 3,500-square-foot area (the Subject Property) located in the eastern part of the property at 553 Sackett Street (Block 426, p/o Lot 49) in accordance with ASTM E1527-13 and the USEPA AAI Rule, for the purpose of identifying recognized environmental conditions (RECs) in connection with the Subject Property. At the time of the site reconnaissance, the parcel was undeveloped and used for storage.

The following RECs were identified in the Phase I ESA:

- Historical and Current Use of the Subject Property: The Subject Property was historically used for sawdust storage (circa 1886 to 1938), which may have been associated with the north/west-adjoining Fulton Works MGP. Afterwards, around 1969, the Subject Property was used for automobile parking, which may have resulted in undocumented leaks or releases. During the reconnaissance, the Subject Property was occupied by out-of-

service industrial vehicles and several chemical containers without secondary containment. The report described a small pool of liquid with a sheen identified below a tipping truck.

- Historical and Current Use of Adjoining and Surrounding Properties: Historical use of adjoining and surrounding properties include the adjoining Fulton Works MGP (circa 1886 to 1930s), coal, stone, and lumber yards (1886 to 1929) associated with the Fulton Works MGP, bottle and recycling facilities (1938 to 1950), automobile wrecking (1950 to 2007), metal spinning and stamping (1950 to 2007), filling station (1950), and auto repairs (1950 to 2007). The east-adjoining (hydraulically up-gradient) property at 563 Sackett Street is a New York State BCP site (Site No. C224222), which has not commenced remediation and includes the following contaminants of concern: SVOC and metals in groundwater, VOCs, SVOCs, and metals in soil, and petroleum-related VOC and chlorinated VOCs in soil vapor.

June and August 2021 Limited Subsurface Investigation Figures and Tables, prepared by Langan, dated October 2021

A Limited Subsurface Investigation (LSI) was performed for the proposed BCP site in two phases:

- The first phase of the LSI was completed in June 2021 at the 3,500-square-foot parcel in the eastern part of 553 Sackett Street (p/o Lot 49). The investigation included advancement of three soil borings and collection of three soil samples.
- The second phase of the LSI was completed in the eastern part of 560 Degraw Street to evaluate subsurface soil, groundwater, and soil vapor conditions. The investigation included advancement of 13 soil borings, collection of 13 soil samples, installation of and sample collection from three temporary monitoring wells, installation of and sample collection from three soil vapor points, and collection of one ambient air sample.

Sample locations are shown in Figures C-1, C-2, and C-3. Soil sample analytical results identified one VOC and one pesticide, and several SVOCs PCBs, and heavy metals at concentrations above UU, RR, and/or CU SCOs. Groundwater analytical results identified several SVOCs and metals at concentrations above NYSDEC AWQS. Indoor air samples were not collected; however, PCE was detected in soil vapor at a concentration that may result in a NYSDOH Decision Matrix recommendation for "monitor" or "mitigate".

Item 2 - Sampling Data

A summary of available laboratory analytical results exceeding applicable regulatory criteria for soil and groundwater samples collected during the 2021 LSI is provided as Tables 1 and 2. Soil vapor sample results from the 2021 LSI are summarized in Table 3. A sampling location map, highlighting the Parcel IV area, and soil, groundwater and soil vapor table extracts from the GEI RIR are provided with this attachment. The following tables summarize maximum concentrations of contaminants for each sample set.

Soil

Soil samples contained concentrations of VOCs, SVOCs, pesticides, and metals exceeding either their UUSCOs, RRSCOs or CUSCOs. The following table summarizes maximum concentrations of target compounds detected above regulatory comparison criteria:

Table 1: Maximum Concentrations of Target Compounds Detected in Soil

Compounds	Maximum Soil Concentration (mg/kg)	Sample ID	Depth interval (feet bgs)	Part 375 UUSCO	Part 375 CUSCO
VOCs					
Acetone	0.19	FW-SB-33	12-13	0.05	500
Benzene	270	FW-SB-15	18.69-19	0.06	44
Ethylbenzene	940	FW-SB-15	18.69-19	1	390
Toluene	410	FW-SB-15	18.69-19	0.7	500
Total Xylenes	770	FW-SB-15	18.69-19	0.26	500
SVOCs					
Acenaphthene	620	FW-SB-14	13.14-15	20	500
Benz(a)anthracene	100	FW-SB-14	13.14-15	1	5.6
Benzo(a)pyrene	100	FW-SB-14	13.14-15	1	1
Benzo(b)fluoranthene	55	FW-SB-14	13.14-15	1	5.6
Benzo(k)fluoranthene	28	FW-SB-14	13.14-15	0.8	56
Chrysene	96	FW-SB-14	13.14-15	1	56
Dibenzo(a,h)anthracene	2	FW-MW-05	15-17.5	0.33	0.56
Dibenzofuran	29	FW-SB-14	13.14-15	0.005	350
Fluoranthene	220	FW-SB-14	13.14-15	100	500
Fluorene	260	FW-SB-14	13.14-15	30	500
Indeno(1,2,3-cd)pyrene	42	FW-SB-14	13.14-15	0.5	5.6
Naphthalene	3,000	FW-SB-14	13.14-15	12	500
Phenanthrene	780	FW-SB-14	13.14-15	100	500
Pyrene	360	FW-SB-14	13.14-15	100	500

Compounds	Maximum Soil Concentration (mg/kg)	Sample ID	Depth interval (feet bgs)	Part 375 UUSCO	Part 375 CUSCO
Pesticides					
Aldrin	0.0079	FW-SS-01	0- 0.17	0.005	0.68
alpha-BHC	0.05	FW-MW-05	0-0.5	0.02	3.4
beta-BHC	0.13	FW-MW-05	0-0.5	0.036	3
alpha-chlordane	0.046	FW-SS-01	0- 0.17	0.094	24
4,4'-DDD	0.0132	SB03_2-3	2-3	0.0033	92
4,4'-DDE	0.021	FW-SS-01	0- 0.17	0.0033	62
4,4'-DDT	0.53	FW-MW-05	0-0.5	0.0033	47
Dieldrin	0.52	FW-MW-05	0-0.5	0.005	1.4
Heptachlor	0.078	FW-MW-05	0-0.5	0.042	15
Metals					
Arsenic	39.5	SB12_1-2	1-2	13	16
Barium	2,100	SB03_2-3	2-3	350	400
Cadmium	35.6	SB03_2-3	2-3	2.5	9.3
Chromium, Trivalent	222	SB03_2-3	2-3	30	1,500
Copper	16,400	FW-SB-16	1-2	50	270
Lead	4,543	SB03_2-3	2-3	63	1000
Mercury	3.8	SB21_6-7	6-7	0.18	2.8
Nickel	132	SB03_2-3	2-3	30	310
Silver	4.34	SB03_2-3	2-3	2	1500
Zinc	9,660	FW-SB-16	1-2	109	10000
PCBs					
Total PCBs	0.319	SB03_2-3	2-3	0.1	1

Notes:

1. Results compared to NYSDEC 6 NYCRR Part 375 Unrestricted Use, Restricted Use Restricted-Residential and Commercial Use Soil Cleanup Objectives.
2. mg/kg – milligram per kilogram

Groundwater

Groundwater samples contained concentrations of VOCs, SVOCs and metals exceeding the NYSDEC AWQS. The following table summarizes maximum concentrations for target compounds detected above their regulatory comparison criteria:

Table 2: Maximum Concentrations of Target Compounds Detected in Groundwater

Compounds	Maximum Groundwater Concentration (µg/L)	Sample ID	AWQS
VOCs			
Benzene	200	FW-GW-16	1
cis-1,2-dichlorethene	14	FW-MW-04	5
Ethylbenzene	66	FW-MW-05	5
Methyl tert-butyl ether (MTBE)	40	FW-MW-05	10
Methylene Chloride	9.9	FW-GW-16 (duplicate)	5
Total Xylene	29	FW-MW-05	5
Vinyl Chloride	6.6	FW-GW-16 (duplicate)	2
SVOCs			
Acenaphthene	34	FW-MW-05	20
Benzo(a)pyrene	0.513	MW05_081821	0.002
Benzo(b)fluoranthene	0.513	MW05_081821	0.002
Benzo(k)fluoranthene	0.615	MW05_081821	0.002
Naphthalene	5.8	FW-MW-05	10
Metals			
Iron	2,780	MW03_081821	300
Lead	36.7	FW-GW-15	25
Magnesium	13,400	MW05_081821	35000
Manganese	262	MW03_081821	300
Selenium	7.38	MW03_081821	10
Sodium	115,000	MW03_081821	20000
Dissolved Metals			
Iron (Dissolved)	15,100	MW03_081821	300
Magnesium (Dissolved)	13.700	MW03_081821	35000
Manganese (Dissolved)	887	MW03_081821	300
Sodium (Dissolved)	195,000	MW03_081821	20000
General Chemistry			
Cyanide	282	FW-MW-05	200

Notes:

1. Results compared to NYSDEC TOGS 1.1.1. AWQS and guidance values for Class GA (drinking water).
2. µg/L - micrograms per liter

Soil Vapor

No standard currently exists for soil vapor samples in New York State. For reference, soil vapor sample results were screened against background concentrations detected in the ambient air sample and evaluated using the NYSDOH Decision Matrices. Based on the maximum concentration of TCE (150 µg/m^3), the NYSDOH Decision Matrices recommends actions ranging from "no further action" to "mitigate". The following table summarizes maximum concentrations for target compounds detected above detection limits in soil vapor:

Table 3: Maximum Concentrations of Target Compounds Detected in Soil Vapor

Constituent	Maximum Soil Vapor Concentration (µg/m^3)	Sample Location
1,1,2,2-Tetrachloroethane	5.8	FW-SV-09 (dup)
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	1.5	FW-SV-08
1,2,3-Trimethylbenzene	12	FW-SV-08
1,2,4,5-Tetramethylbenzene	3.6	FW-SV-09 (dup)
1,2,4-Trimethylbenzene	17	FW-SV-08
1,3,5-Trimethylbenzene	5.4	FW-SV-08
1,3-Dichlorobenzene	1.8	FW-SV-08
1,4-Dichlorobenzene	22	FW-SV-09 (dup)
2,2,4-Trimethylpentane	3	FW-SV-08
2-Butanone	63	SV05_081821
2-Hexanone	2.2	FW-SV-08
2-Propanol (Isopropyl Alcohol)	2.6	FW-SV-09 (dup)
4-Methyl-2-pentanone	30	FW-SV-08
Acetaldehyde	40	FW-SV-08
Acetone	910	SV05_081821
Acrolein (propenal)	3.4	FW-SV-09 (dup)
Benzene	17	SV05_081821
Butane	61	FW-SV-08
Carbon disulfide	160	SV05_081821
Carbon tetrachloride	2.8	SV03_081821
Chloroethane	5.1	SV03_081821
Chloroform	43	SV03_081821
Chloromethane	11	SV05_081821
Cyclohexane	6	FW-SV-09/FW-SV-09 (dup)
Dichlorodifluoromethane	36	FW-SV-09
Ethanol	10	FW-SV-08

Constituent	Maximum Soil Vapor Concentration (µg/m³)	Sample Location
Ethylbenzene	13	SV05_081821
Indane	7.1	FW-SV-08/FW-SV-09 (dup)
Indene	9.8	FW-SV-08
M,p-Xylene	26	SV05_081821
Methyl tert-butyl ether	23	FW-SV-08
Naphthalene	16	FW-SV-08
n-Decane	410	FW-SV-09 (dup)
n-Dodecane	20	FW-SV-08
n-Heptane	8.5	SV05_081821
n-Octane	3.9	FW-SV-09 (dup)
Nonane	22	FW-SV-09 (dup)
n-Undecane	360	FW-SV-08
o-Xylene	11	SV05_081821
Pentane	8.3	FW-SV-08
p-Ethyltoluene	11	FW-SV-09
Propylene	610	SV05_081821
Styrene	4.2	FW-SV-08
t-Butyl alcohol (Tertiary Butyl Alcohol)	9.9	FW-SV-08
Tetrachloroethene (PCE)	150	SV03_081821
Toluene	26	SV05_081821
Trichlorofluoromethane	30	FW-SV-09/FW-SV-09 (dup)

Item 2 - Known or Suspected Sources of Contaminants

The impacts identified at the proposed brownfield site during previous site assessments and investigations have not been fully investigated and delineated. Further investigation and delineation of areas of concern and associated contamination will be completed as part of a remedial investigation.

The following known sources of contaminants have been identified:

- Historical site use as a MGP, including gas holders, oil and fuel tanks, the tar process area, and other MGP structures.
- Historical site use for various auto-related facilities, including a used truck storage, auto wrecking, auto repair, and a filling station.
- Current and historical surrounding property usage includes various commercial and industrial operations and historical use of an adjoining property as a laundromat.

Item 3 – Site Figures

RIR Figures:

- Figure 3 – Historical MGP Structures and RI Study Area Sample Location Map
- Figure 9 – Summary of Environmental Records
- Figure 14 – Shallow Groundwater Contours at High Tide and Dissolved-Phase Groundwater Analytical Summary

Proposed Remedial Action Plan Figures:

- Figure 2: Fulton Municipal Works Former MGP Site Footprint Summary
- Figure 3: Summary of Groundwater Conditions
- Figure 4: Summary of Subsurface of Soils (0 – 20 Feet bgs)

LSI Package Figures:

- Figure D-1: Soil Sample Location and Results Map
- Figure D-2: Groundwater Sample Location and Results Map
- Figure D-3: Soil Vapor Sample Location and Results Map

Item 4 – Past Uses of the Site

The site includes two adjacent tax lots: Block 426, p/o Lot 17 and p/o Lot 49. A review of historical data revealed that the proposed BCP site was located in a densely developed urban area, characterized by commercial and industrial uses, as early as 1886. Specific uses associated with the lots are summarized below.

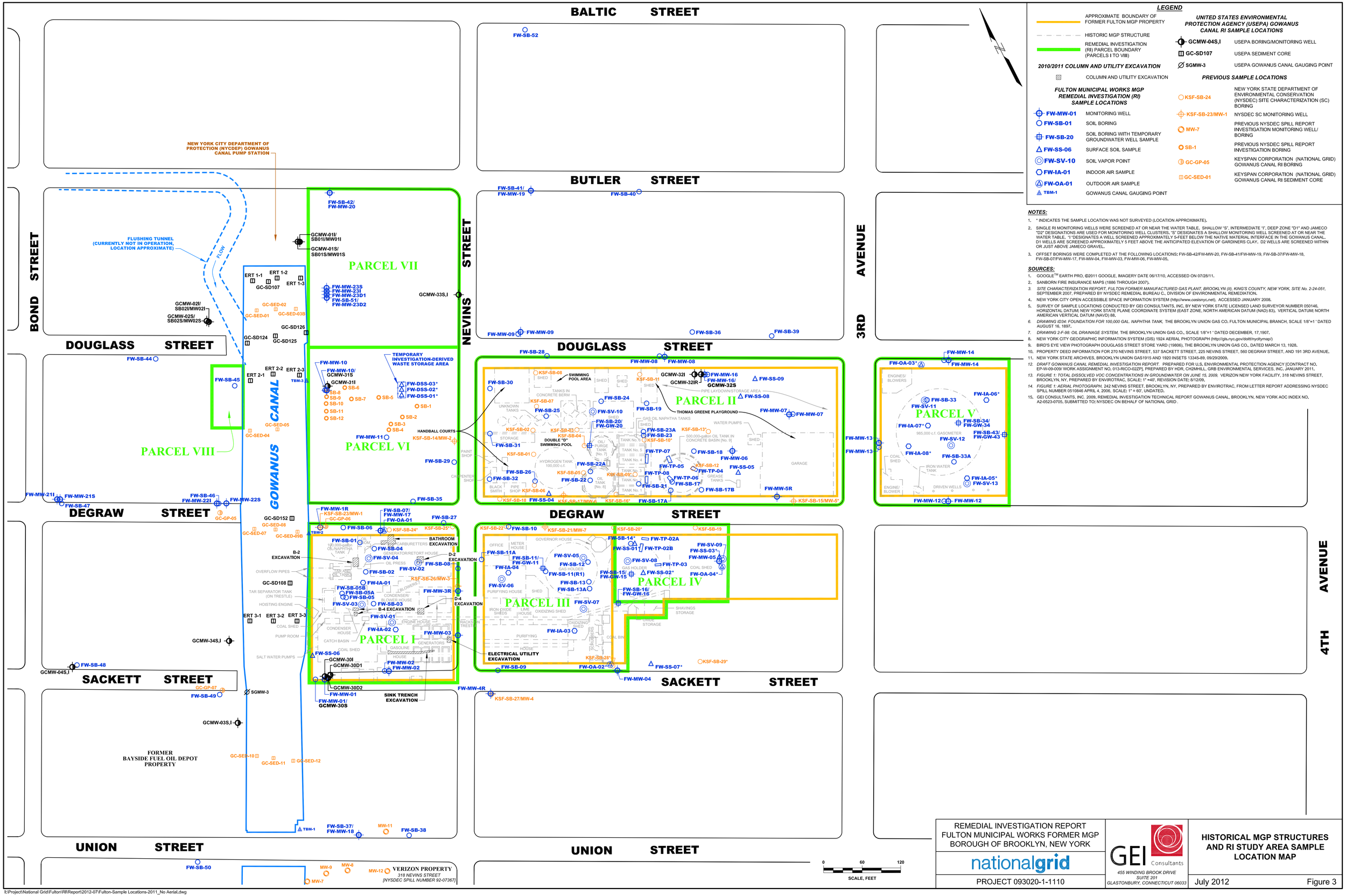
Block 426, p/o Lot 17 (560 Degraw Street)

Fulton Municipal Gas Co. (Fulton Works), which included a gasholder, lime shed, lime kilns, and a coal shed, occupied the western portion of Lot 17 from at least 1886 to 1938. By 1943, the former gasometers and holding tanks associated with the Fulton Works manufactured gas plant (MGP) appear demolished. After 1938, the property was occupied by various auto-related facilities, including used truck storage, auto wrecking, auto repair and a filling station. In 2006, the property appears to have been apportioned into three areas with different commercial and industrial uses.

Block 426, p/o Lot 49 (553 Sackett Street)

Lot 49 was historically used for sawdust storage (circa 1886 to 1938), which may have been associated with the north/west-adjoining Fulton Works MGP. Afterwards, around 1969, the property was used for automobile parking, which may have resulted in undocumented leaks or releases.

Figures



LEGEND

- APPROXIMATE BOUNDARY OF FORMER FULTON MGP PROPERTY
- HISTORIC MGP STRUCTURE
- REMEDIAL INVESTIGATION (RI) PARCEL BOUNDARY (PARCELS I TO VIII)

2010/2011 COLUMN AND UTILITY EXCAVATION

- COLUMN AND UTILITY EXCAVATION

FULTON MUNICIPAL WORKS MGP REMEDIAL INVESTIGATION (RI) SAMPLE LOCATIONS

- FW-MW-01 — MONITORING WELL
- FW-SB-01 — SOIL BORING
- FW-SB-20 — SOIL BORING WITH TEMPORARY GROUNDWATER WELL SAMPLE
- FW-SS-06 — SURFACE SOIL SAMPLE
- FW-SV-10 — SOIL VAPOR POINT
- FW-IA-01 — INDOOR AIR SAMPLE
- FW-OA-01 — OUTDOOR AIR SAMPLE
- TBM-1 — GOWANUS CANAL GAUGING POINT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) GOWANUS CANAL RI SAMPLE LOCATIONS

- GCMW-04S,I — USEPA BORING/MONITORING WELL
- GC-SD107 — USEPA SEDIMENT CORE
- SGMW-3 — USEPA GOWANUS CANAL GAUGING POINT

PREVIOUS SAMPLE LOCATIONS

- KSF-SB-24 — NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) SITE CHARACTERIZATION (SC) BORING
- KSF-SB-23/MW-1 — NYSDEC SC MONITORING WELL
- MW-7 — PREVIOUS NYSDEC SPILL REPORT INVESTIGATION MONITORING WELL/ BORING
- SB-1 — PREVIOUS NYSDEC SPILL REPORT INVESTIGATION BORING
- GC-GP-05 — KEYSPAN CORPORATION (NATIONAL GRID) GOWANUS CANAL RI BORING
- GC-SED-01 — KEYSPAN CORPORATION (NATIONAL GRID) GOWANUS CANAL RI SEDIMENT CORE

NOTES:

1. * INDICATES THE SAMPLE LOCATION WAS NOT SURVEYED (LOCATION APPROXIMATE).
2. SINGLE RI MONITORING WELLS WERE SCREENED AT OR NEAR THE WATER TABLE. SHALLOW "S", INTERMEDIATE "I", DEEP ZONE "D1" AND JAMECO "D2" DESIGNATIONS ARE USED FOR MONITORING WELL CLUSTERS. "S" DESIGNATES A SHALLOW MONITORING WELL SCREENED AT OR NEAR THE WATER TABLE. "I "DESIGNATES A WELL SCREENED APPROXIMATELY 5-FEET BELOW THE NATIVE MATERIAL INTERFACE IN THE GOWANUS CANAL. D1 WELLS ARE SCREENED APPROXIMATELY 5 FEET ABOVE THE ANTICIPATED ELEVATION OF GARDINERS CLAY. D2 WELLS ARE SCREENED WITHIN OR JUST ABOVE JAMECO GRAVEL.
3. OFFSET BORINGS WERE COMPLETED AT THE FOLLOWING LOCATIONS: FW-SB-42/FW-MW-20, FW-SB-41/FW-MW-19, FW-SB-37/FW-MW-18, FW-SB-07/FW-MW-17, FW-MW-04, FW-MW-03, FW-MW-06, FW-MW-05.

SOURCES:

1. GOOGLE™ EARTH PRO, ©2011 GOOGLE, IMAGERY DATE 06/17/10, ACCESSED ON 07/28/11.
2. SANBORN FIRE INSURANCE MAPS (1886 THROUGH 2007).
3. *SITE CHARACTERIZATION REPORT, FULTON FORMER MANUFACTURED GAS PLANT, BROOKLYN (II), KING'S COUNTY, NEW YORK, SITE No. 2-24-051,* SEPTEMBER 2007, PREPARED BY NYSDEC REMEDIAL BUREAU C., DIVISION OF ENVIRONMENTAL REMEDIATION.
4. NEW YORK CITY OPEN ACCESSIBLE SPACE INFORMATION SYSTEM (http://www.oasisnyc.net), ACCESSED JANUARY 2008.
5. SURVEY OF SAMPLE LOCATIONS CONDUCTED BY GEI CONSULTANTS, INC., BY NEW YORK STATE LICENSED LAND SURVEYOR NUMBER 050146, HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83), VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.
6. *DRAWING ID34: FOUNDATION FOR 100,000 GAL. NAPHTHA TANK,* THE BROOKLYN UNION GAS CO, FULTON MUNICIPAL BRANCH, SCALE 1/8"=1 ' DATED AUGUST 16, 1897.
7. *DRAWING 2-F-98: OIL DRAINAGE SYSTEM,* THE BROOKLYN UNION GAS CO., SCALE 1/8"=1 ' DATED DECEMBER, 17,1907.
8. NEW YORK CITY GEOGRAPHIC INFORMATION SYSTEM (GIS) 1924 AERIAL PHOTOGRAPH (http://gis.nyc.gov/doitt/nydtymap/)
9. BIRD'S EYE VIEW PHOTOGRAPH DOUGLASS STREET STORE YARD (19806), THE BROOKLYN UNION GAS CO., DATED MARCH 13, 1928.
10. PROPERTY DEED INFORMATION FOR 270 NEVINS STREET, 537 SACKETT STREET, 225 NEVINS STREET, 560 DEGRAW STREET, AND 191 3RD AVENUE.
11. NEW YORK STATE ARCHIVES, BROOKLYN UNION GAS1915 AND 1920 INSETS 13345-89, 09/29/2009.
12. *DRAFT GOWANUS CANAL REMEDIAL INVESTIGATION REPORT.* PREPARED FOR U.S. ENVIRONMENTAL PROTECTION AGENCY [CONTRACT NO. EP-W-09-009/ WORK ASSIGNMENT NO. 013-RICO-02ZP], PREPARED BY HDR, CH2MHILL, GRB ENVIRONMENTAL SERVICES, INC, JANUARY 2011.
13. *FIGURE 1: TOTAL DISSOLVED VOC CONCENTRATIONS IN GROUNDWATER ON JUNE 15, 2009,* VERIZON NEW YORK FACILITY, 318 NEVINS STREET, BROOKLYN, NY, PREPARED BY ENVIROTRAC, SCALE: 1" =40', REVISION DATE: 8/12/09.
14. *FIGURE 1: AERIAL PHOTOGRAPH,* 242 NEVINS STREET, BROOKLYN, NY, PREPARED BY ENVIROTRAC, FROM LETTER REPORT ADDRESSING NYSDEC SPILL NUMBER 0510846 APRIL 4, 2006, SCALE: 1" = 60', UNDATED.
15. GEI CONSULTANTS, INC. 2009, REMEDIAL INVESTIGATION TECHNICAL REPORT GOWANUS CANAL, BROOKLYN, NEW YORK AOC INDEX NO. A2-0523-0705, SUBMITTED TO: NYSDEC ON BEHALF OF NATIONAL GRID.

REMEDIAL INVESTIGATION REPORT
FULTON MUNICIPAL WORKS FORMER MGP
BOROUGH OF BROOKLYN, NEW YORK

nationalgrid

PROJECT 093020-1-1110

GEI Consultants
455 WINDING BROOK DRIVE
SUITE 201
GLASTONBURY, CONNECTICUT 06033

HISTORICAL MGP STRUCTURES AND RI STUDY AREA SAMPLE LOCATION MAP

July 2012 — Figure 3

I:\Project\National Grid\Fulton\RI\Report\2012-07\Fulton-Sample Locations-2011_No Aerial.dwg

LEGEND

APPROXIMATE FORMER MGP BOUNDARY

REGULATORY RECORDS

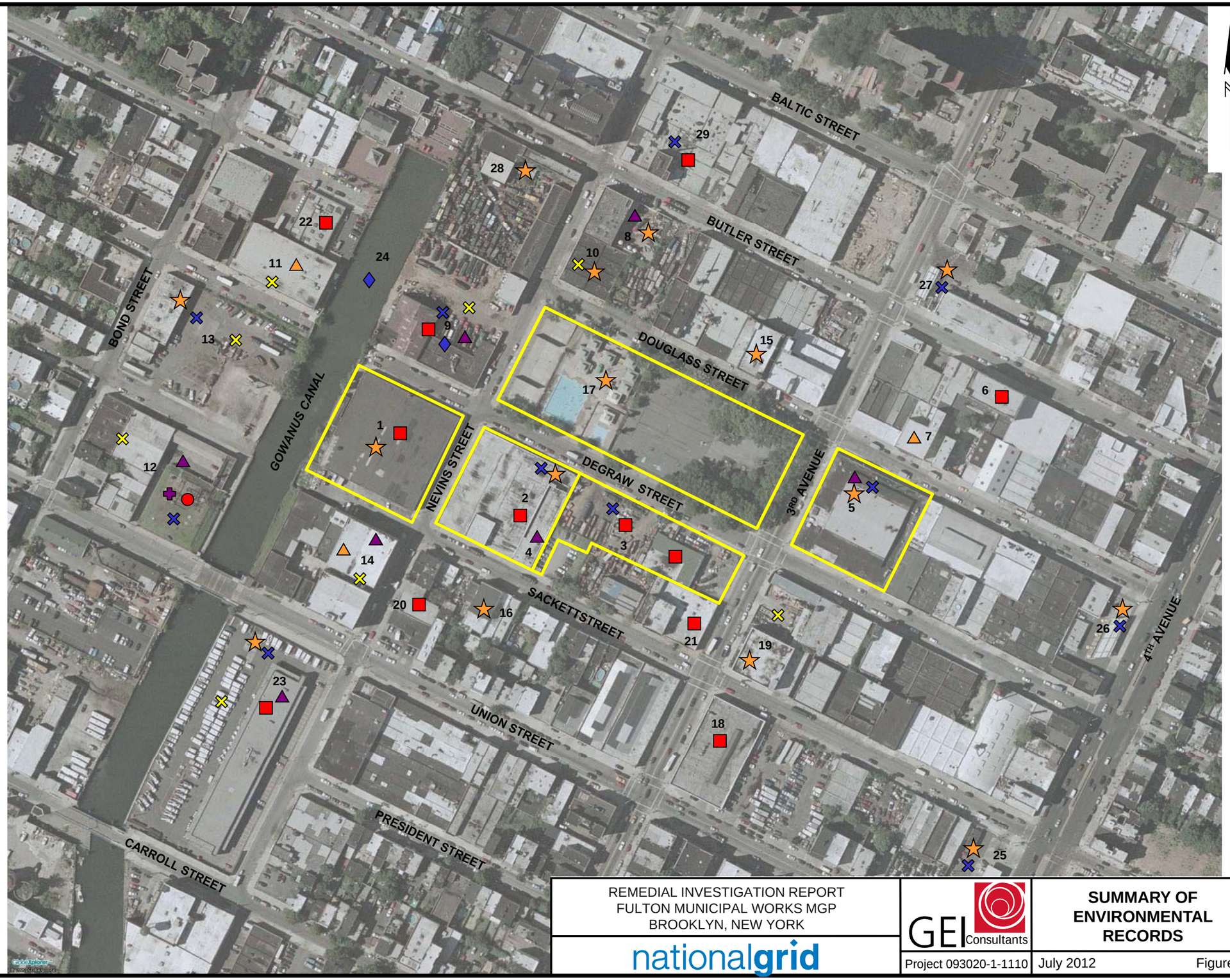
- RCRA (TSDF, CORRACTS), CERCLIS, VCP, LANDFILL, DISPOSAL SITE
- RCRA GENERATOR
- MAJOR OIL OR CHEMICAL STORAGE
- MINOR OIL STORAGE
- SPILLS

HISTORIC LAND USE

- COAL YARD/LUMBER YARD
- ASPHALT PLANT/COAL TAR PRODUCT CO.
- MANUFACTURING AND COMMERCIAL
- OIL/PETROCHEMICAL
- CHEMICAL/PAINT/FERTILIZER/PLASTIC

NOTES:

1. SEE TABLE 1 FOR INFORMATION ABOUT THESE SITES.
2. NOT TO SCALE



SOURCE:

REMEDIAL INVESTIGATION REPORT
FULTON MUNICIPAL WORKS MGP
BROOKLYN, NEW YORK

nationalgrid

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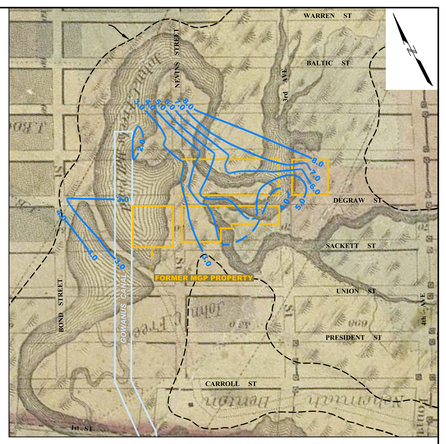
SUMMARY OF ENVIRONMENTAL RECORDS

Project 093020-1-1110 | July 2012 | Figure 9

I:\Project\National Grid\Fulton\RI\Report\2012-04\Figure 9 Environmental Record Summ.ppt



1849 MAP OF FORMER GOWANUS CREEK AND WETLANDS

0 300 600

SCALE, FEET

LEGEND

- APPROXIMATE BOUNDARY OF FORMER FULTON MGP PROPERTY
- HISTORIC MGP STRUCTURE
- REMEDIAL INVESTIGATION (RI) PARCEL BOUNDARY (PARCELS I TO VIII)

FULTON FORMER MGP REMEDIAL INVESTIGATION (RI)

- **FW-MW-01** MONITORING WELL
- **TBM** GOWANUS CANAL GAUGING POINT
- **FW-SB-16/ FW-GW-16** SOIL BORING WITH TEMPORARY GROUNDWATER SAMPLE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) GOWANUS CANAL RI SAMPLE LOCATIONS

- **GCMW-04S** USEPA MONITORING WELL

PREVIOUS SAMPLE LOCATIONS

- **KSF-SB-26/MW-3** NYSDEC SC MONITORING WELL
- **2.0** GROUNDWATER CONTOUR (CONTOUR INTERVAL 1 FT NAVD)
- INFERRED GROUNDWATER FLOW DIRECTION
- **3.54** HIGH TIDE GROUNDWATER ELEVATION (FT NAVD) ON MAY 19, 2011
- **[4.37]** LOW TIDE GROUNDWATER ELEVATION (FT NAVD) ON MAY 19, 2011
- NON-AQUEOUS PHASE LIQUID (NAPL) BLEBS AND/OR SHEEN WITH PETROLEUM-LIKE ODOR WITHIN A SAMPLE COLLECTED FROM THE MONITORING WELL

NYS AQWS — New York State Ambient Water Quality Standards, Criteria, and Guidance Values for GA groundwater (drinking water)

- **-** value is a guidance value and not a standard
- NE not established
- NM not measured
- ND not detected
- µg/L micrograms per liter
- BTEX benzene, toluene, ethylbenzene, and xylenes
- VOCs volatile organic compounds
- PAHs polycyclic aromatic hydrocarbons
- SVOCs semi-volatile organic compounds
- J estimated value
- R rejected value based upon validation
- U not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis
- **12.1** bold font indicates a detected concentration
- **10** bold font and shading indicates a detected concentration is above the NYS AWQS objective

NAVD 88 North American Vertical Datum of 1988

FT feet

NOTES:

1. GROUNDWATER CONTOURS ARE DASHED WERE INFERRED.
2. TOTAL BTEX AND TOTAL PAH CONCENTRATIONS ARE CALCULATED USING DETECTED VALUES ONLY.
3. "S" - SHALLOW WELL SCREENED AT OR NEAR THE WATER TABLE.

SOURCES:

1. GOOGLE™ EARTH PRO, ©2011 GOOGLE, IMAGERY DATE 06/17/10, ACCESSED ON 07/28/11,
2. SANBORN FIRE INSURANCE MAPS (1886 THROUGH 2007),
3. *SITE CHARACTERIZATION REPORT, FULTON FORMER MANUFACTURED GAS PLANT, BROOKLYN (II), KING'S COUNTY, NEW YORK, SITE No. 2-24-051*, SEPTEMBER 2007, PREPARED BY NYSDEC REMEDIAL BUREAU C, DIVISION OF ENVIRONMENTAL REMEDIATION,
4. NEW YORK CITY OPEN ACCESSIBLE SPACE INFORMATION SYSTEM (http://www.oasisnyc.net), ACCESSED JANUARY 2008,
5. SURVEY OF SAMPLE LOCATIONS CONDUCTED BY GEI CONSULTANTS, INC, BY NEW YORK STATE LICENSED LAND SURVEYOR NUMBER 050146, HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83), VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88,
6. *DRAWING ID34: FOUNDATION FOR 100,000 GAL. NAPHTHA TANK*, THE BROOKLYN UNION GAS CO, FULTON MUNICIPAL BRANCH, SCALE 1/8"=1 ' DATED AUGUST 16, 1897,
7. *DRAWING 2-F-98: OIL DRAINAGE SYSTEM*, THE BROOKLYN UNION GAS CO., SCALE 1/8"=1 " DATED DECEMBER, 17,1907,
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9. BIRD'S EYE VIEW PHOTOGRAPH DOUGLASS STREET STORE YARD (1980S), THE BROOKLYN UNION GAS CO., DATED MARCH 13, 1928,
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11. NEW YORK STATE ARCHIVES, BROOKLYN UNION GAS1915 AND 1920 INSETS 13345-89, 09/29/2009,
12. *MAP OF THE CITY OF BROOKLYN, AS LAID OUT BY COMMISSIONERS AND CONFIRMED BY ACTS OF THE LEGISLATURE OF THE STATE OF NEW YORK*, PUBLISHED BY J.H. COLTON, NEW YORK, 1845.

0 60 120

SCALE, FEET

REMEDIAL INVESTIGATION REPORT
FULTON MUNICIPAL WORKS FORMER MGP
BOROUGH OF BROOKLYN, NEW YORK

nationalgrid

PROJECT 093020-1-1110

GEI Consultants
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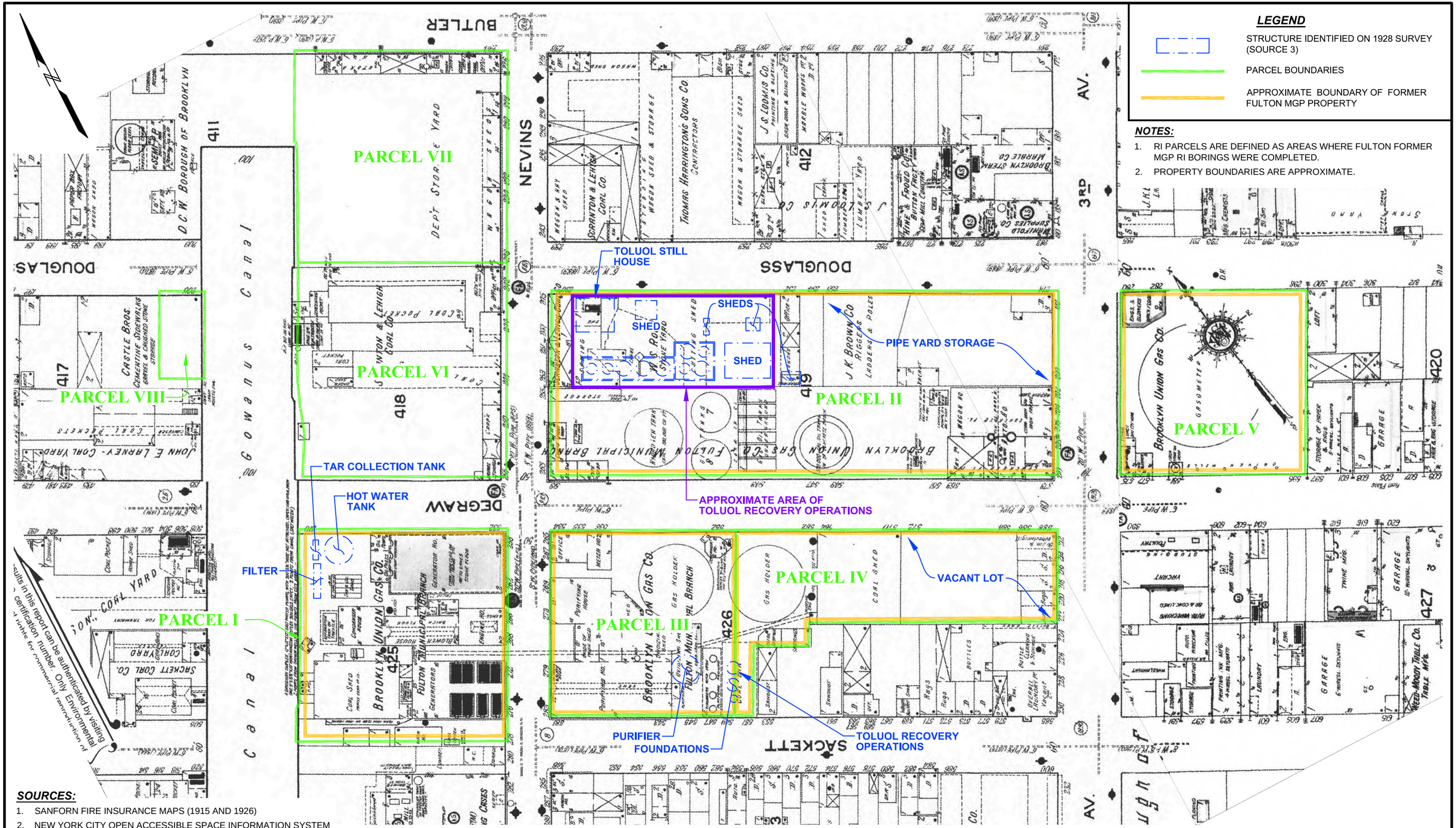
GLASTONBURY, CONNECTICUT 06033

SHALLOW GROUNDWATER CONTOURS AT HIGH TIDE AND DISSOLVED-PHASE GROUNDWATER ANALYTICAL SUMMARY MAY 19, 2011

July 2012 Figure 14

I:\Project\National Grid\Fulton\RI\Report\2012-07\Fulton-Groundwater Contours-5-2011.dwg



LEGEND

STRUCTURE IDENTIFIED ON 1928 SURVEY (SOURCE 3)

PARCEL BOUNDARIES

APPROXIMATE BOUNDARY OF FORMER FULTON MGP PROPERTY

NOTES:

1. RI PARCELS ARE DEFINED AS AREAS WHERE FULTON FORMER MGP RI BORINGS WERE COMPLETED.
2. PROPERTY BOUNDARIES ARE APPROXIMATE.

SOURCES:

1. SANFORN FIRE INSURANCE MAPS (1915 AND 1926)
2. NEW YORK CITY OPEN ACCESSIBLE SPACE INFORMATION SYSTEM (http://www.oasisnyc.net), ACCESSED JANUARY 2008.
3. SURVEY OF FULTON GAS WORKS, PREPARED BY JOHNSON AND HIGGINS, N.Y., SCALE: 1" = 50', DATE: MARCH 13, 1928.
4. BIRD'S EYE VIEW PHOTOGRAPH DOUGLASS STREET STORE YARD (19806), THE BROOKLYN UNION GAS CO., DATED MARCH 13, 1928.
5. PROPERTY DEED INFORMATION FOR 270 NEVINS STREET, 537 SACKETT STREET, 225 NEVINS STREET, 560 DEGRAW STREET, AND 191 3RD AVENUE.

0 100 200

SCALE, FEET

Fulton Municipal Works Former MGP Site Brooklyn, New York Site No. 224051	FIGURE 2: FULTON MUNICIPAL WORKS FORMER MGP SITE FOOTPRINT SUMMARY

I:\Project\National Grid\Fulton\Feasibility Study\2014-12\Fulton-Former MGP Footprint-PRAP.dwg

SOURCES:

1. 2011 ESRI WORLD IMAGERY.
2. NEW YORK CITY DEPARTMENT OF CITY PLANNING MapPLUTO, UPDATED NOVEMBER 2009.
3. SITE CHARACTERIZATION REPORT, FULTON FORMER MANUFACTURED GAS PLANT, BROOKLYN (II), KING'S COUNTY, NEW YORK, SITE NO. 2-24-051, SEPTEMBER 2007, PREPARED BY NYSDEC REMEDIAL BUREAU C., DIVISION OF ENVIRONMENTAL REMEDIATION.
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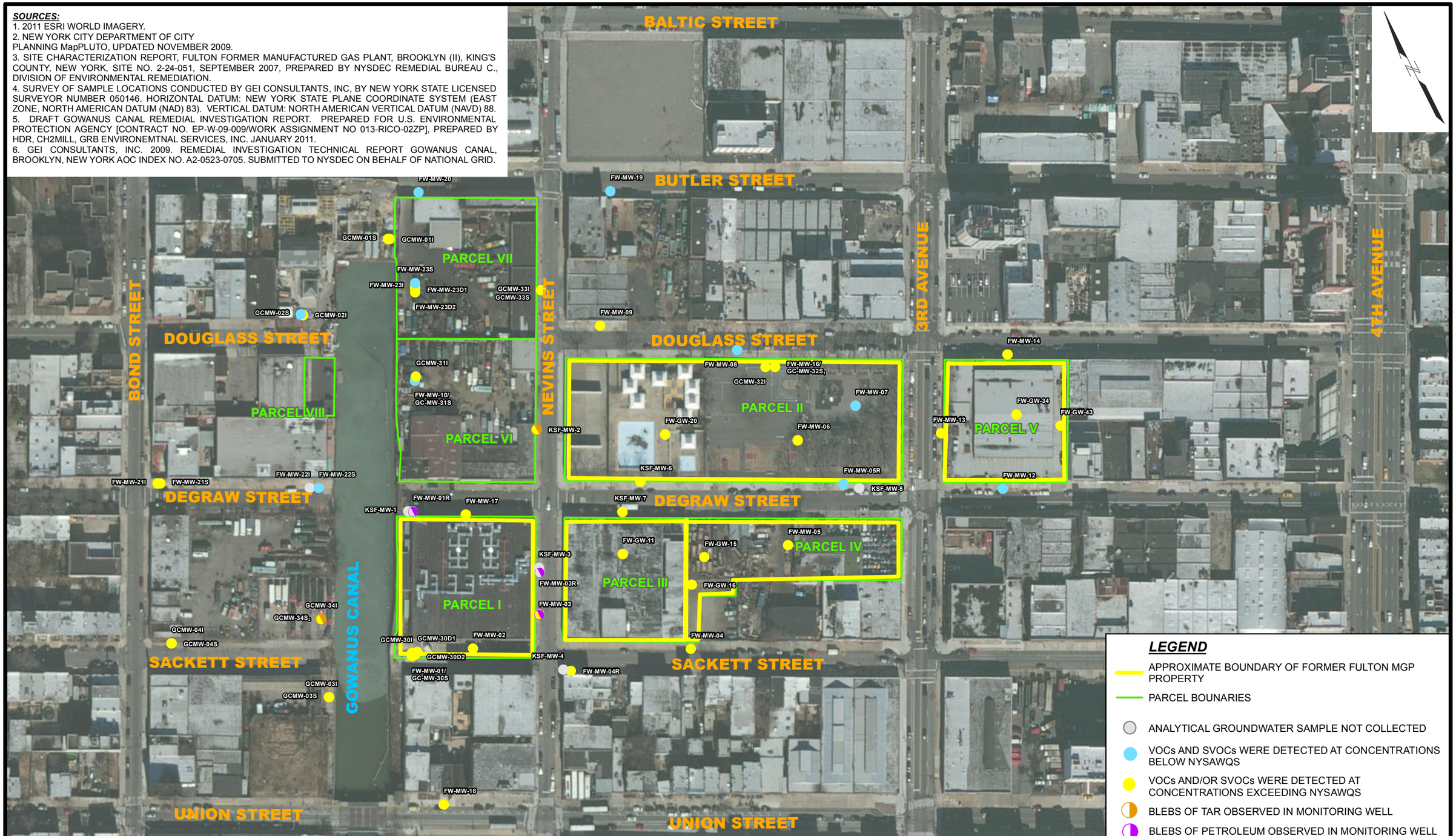
6. GEI CONSULTANTS, INC. 2009. REMEDIAL INVESTIGATION TECHNICAL REPORT GOWANUS CANAL, BROOKLYN, NEW YORK AOC INDEX NO. A2-0523-0705. SUBMITTED TO NYSDEC ON BEHALF OF NATIONAL GRID.



LEGEND

- APPROXIMATE BOUNDARY OF FORMER FULTON MGP PROPERTY
- PARCEL BOUNARIES
- ANALYTICAL GROUNDWATER SAMPLE NOT COLLECTED
- VOCs AND SVOCs WERE DETECTED AT CONCENTRATIONS BELOW NYSAWQS
- VOCs AND/OR SVOCs WERE DETECTED AT CONCENTRATIONS EXCEEDING NYSAWQS
- BLEBS OF TAR OBSERVED IN MONITORING WELL
- BLEBS OF PETROLEUM OBSERVED IN MONITORING WELL

NOTE:

1 - FW-MW-16 samples collected on 6/12/2008 and 9/15/2009 do not have VOCs/SVOCs detected at concentrations exceeding NYSAWQS criteria. The GC-MW-32S sample collected on 7/20/2010 has SVOCs detected at concentrations exceeding the NYSAWQS.
2 - Tar blebs were observed in GCMW-34I and not in GCMW-34S.
3 - Tar blebs were observed at KSF-MW-6 and KSF-MW-7 during the 2007 sampling event. However tar blebs were not observed during the 2009 and 2010 events.

0 150 300

SCALE, FEET

Fulton Municipal Works Former MGP Site
Brooklyn, New York
Site No. 224051

FIGURE 3:
SUMMARY OF GROUNDWATER CONDITIONS

J:\Projects\National_Grid\Fulton\FS\PRAP\GW_PRAP_Response.mxd

SOURCES:

1. 2011 ESRI WORLD IMAGERY.
2. NEW YORK CITY DEPARTMENT OF CITY PLANNING MapPLUTO, UPDATED NOVEMBER 2009.
3. SITE CHARACTERIZATION REPORT, FULTON FORMER MANUFACTURED GAS PLANT, BROOKLYN (II), KING'S COUNTY, NEW YORK, SITE NO. 2-24-051, SEPTEMBER 2007, PREPARED BY NYSDEC REMEDIAL BUREAU C., DIVISION OF ENVIRONMENTAL REMEDIATION.
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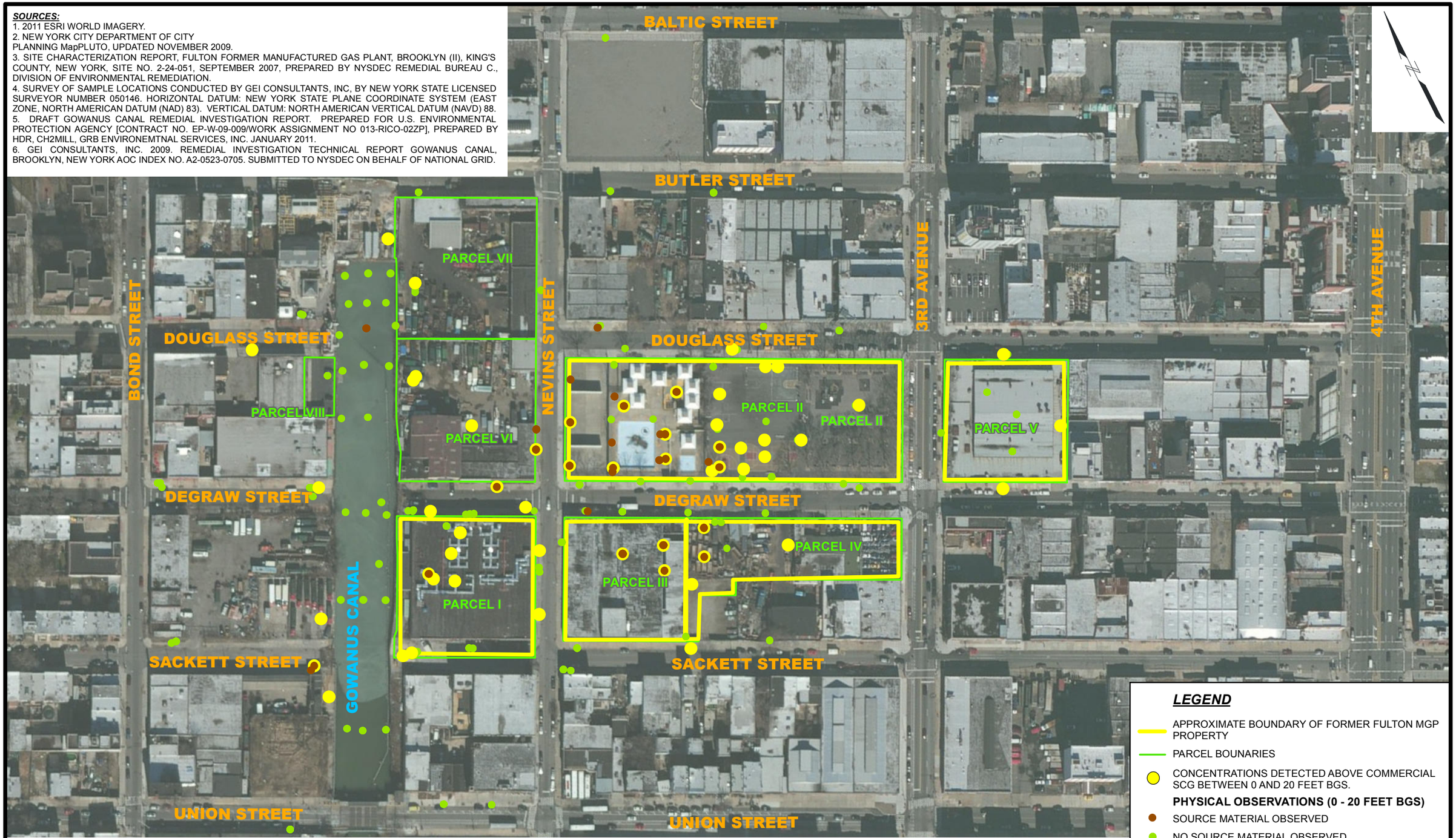
6. GEI CONSULTANTS, INC. 2009. REMEDIAL INVESTIGATION TECHNICAL REPORT GOWANUS CANAL, BROOKLYN, NEW YORK AOC INDEX NO. A2-0523-0705. SUBMITTED TO NYSDEC ON BEHALF OF NATIONAL GRID.



LEGEND

- APPROXIMATE BOUNDARY OF FORMER FULTON MGP PROPERTY
- PARCEL BOUNARIES
- CONCENTRATIONS DETECTED ABOVE COMMERCIAL SCG BETWEEN 0 AND 20 FEET BGS.

PHYSICAL OBSERVATIONS (0 - 20 FEET BGS)

- SOURCE MATERIAL OBSERVED
- NO SOURCE MATERIAL OBSERVED

NOTE:

1. SOURCE MATERIAL IS DEFINED AS SOILS THAT CONTAIN TAR COATINGS, LENSES, AND SATURATION.
2. COMMERCIAL SCG - PART 375-6.8(B), RESTRICTED USE SOIL CLEANUP OBJECTIVES FOR THE PROTECTION OF PUBLIC HEALTH FOR COMMERCIAL USE.

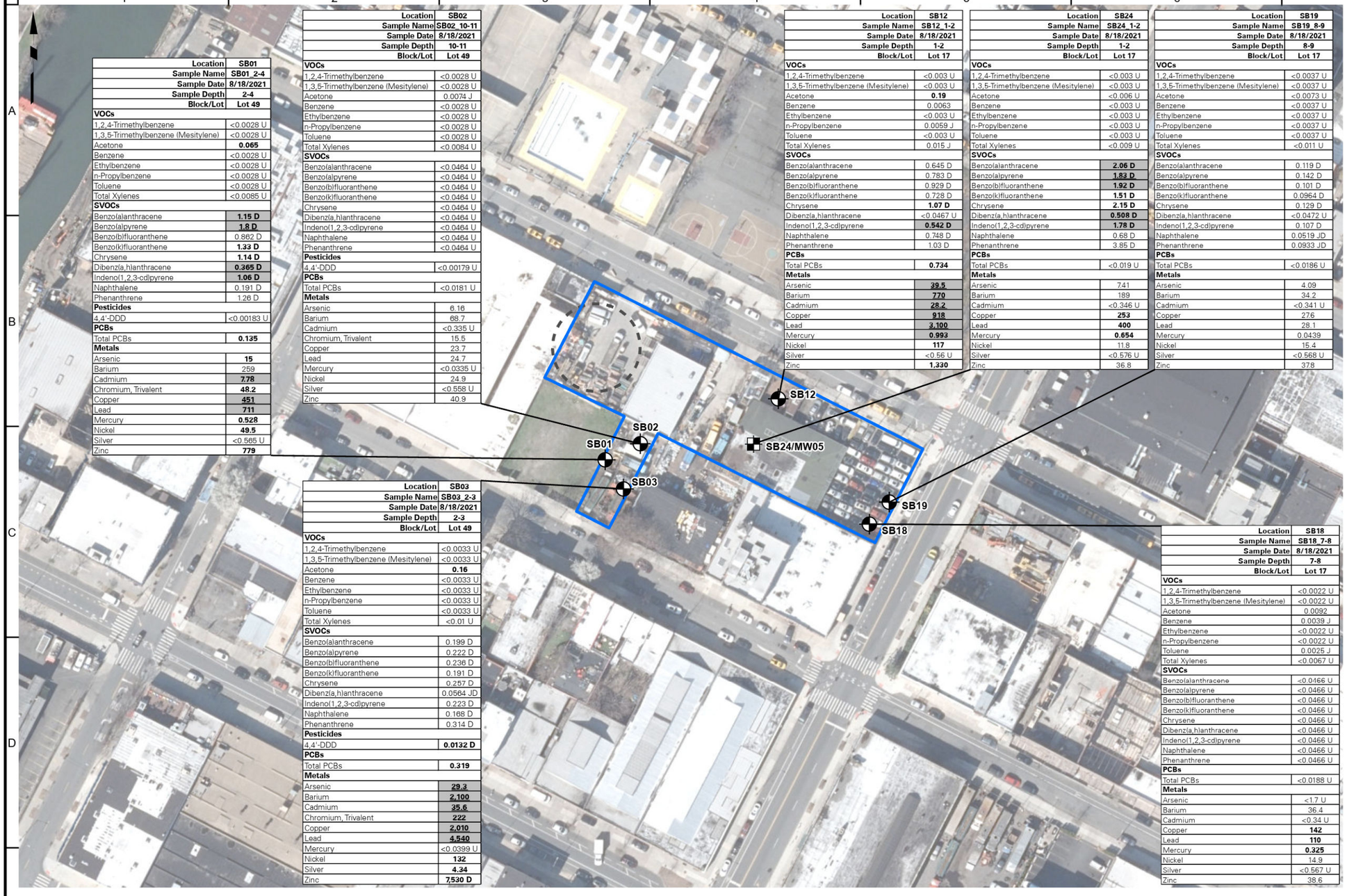
0 150 300

SCALE, FEET

Fulton Municipal Works Former MGP Site
Brooklyn, New York
Site No. 224051

FIGURE 4:
SUMMARY OF SUBSURFACE SOIL
(0 - 20 FEET BGS)

J:\Projects\National_Grid\Fulton\FS\PRAP\Summary_Subsurface_Soil.mxd



Location	SB01
Sample Name	SB01_2-4
Sample Date	8/18/2021
Sample Depth	2-4
Block/Lot	Lot 49
VOCs	
1,2,4-Trimethylbenzene	<0.0028 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.0028 U
Acetone	**0.065**
Benzene	<0.0028 U
Ethylbenzene	<0.0028 U
n-Propylbenzene	<0.0028 U
Toluene	<0.0028 U
Total Xylenes	<0.0085 U
SVOCs	
Benzo(a)anthracene	**1.15 D**
Benzo(a)pyrene	**1.8 D**
Benzo(b)fluoranthene	0.862 D
Benzo(k)fluoranthene	**1.33 D**
Chrysene	**1.14 D**
Dibenz(a,h)anthracene	**0.365 D**
Indeno(1,2,3-cd)pyrene	**1.06 D**
Naphthalene	0.191 D
Phenanthrene	1.26 D
Pesticides	
4,4'-DDD	<0.00183 U
PCBs	
Total PCBs	**0.135**
Metals	
Arsenic	**15**
Barium	259
Cadmium	**7.78**
Chromium, Trivalent	**48.2**
Copper	**451**
Lead	**711**
Mercury	**0.528**
Nickel	**49.5**
Silver	<0.565 U
Zinc	**779**

Location	SB02
Sample Name	SB02_10-11
Sample Date	8/18/2021
Sample Depth	10-11
Block/Lot	Lot 49
VOCs	
1,2,4-Trimethylbenzene	<0.0028 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.0028 U
Acetone	0.0074 J
Benzene	<0.0028 U
Ethylbenzene	<0.0028 U
n-Propylbenzene	<0.0028 U
Toluene	<0.0028 U
Total Xylenes	<0.0084 U
SVOCs	
Benzo(a)anthracene	<0.0464 U
Benzo(a)pyrene	<0.0464 U
Benzo(b)fluoranthene	<0.0464 U
Benzo(k)fluoranthene	<0.0464 U
Chrysene	<0.0464 U
Dibenz(a,h)anthracene	<0.0464 U
Indeno(1,2,3-cd)pyrene	<0.0464 U
Naphthalene	<0.0464 U
Phenanthrene	<0.0464 U
Pesticides	
4,4'-DDD	<0.00179 U
PCBs	
Total PCBs	<0.0181 U
Metals	
Arsenic	6.16
Barium	68.7
Cadmium	<0.335 U
Chromium, Trivalent	15.5
Copper	23.7
Lead	24.7
Mercury	<0.0335 U
Nickel	24.9
Silver	<0.558 U
Zinc	40.9

Location	SB03
Sample Name	SB03_2-3
Sample Date	8/18/2021
Sample Depth	2-3
Block/Lot	Lot 49
VOCs	
1,2,4-Trimethylbenzene	<0.0033 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.0033 U
Acetone	**0.16**
Benzene	<0.0033 U
Ethylbenzene	<0.0033 U
n-Propylbenzene	<0.0033 U
Toluene	<0.0033 U
Total Xylenes	<0.01 U
SVOCs	
Benzo(a)anthracene	0.199 D
Benzo(a)pyrene	0.222 D
Benzo(b)fluoranthene	0.236 D
Benzo(k)fluoranthene	0.191 D
Chrysene	0.257 D
Dibenz(a,h)anthracene	0.0564 JD
Indeno(1,2,3-cd)pyrene	0.223 D
Naphthalene	0.168 D
Phenanthrene	0.314 D
Pesticides	
4,4'-DDD	**0.0132 D**
PCBs	
Total PCBs	**0.319**
Metals	
Arsenic	**29.3**
Barium	**2,100**
Cadmium	**35.6**
Chromium, Trivalent	**222**
Copper	**2,010**
Lead	**4,540**
Mercury	<0.0399 U
Nickel	**132**
Silver	**4.34**
Zinc	**7,530 D**

Location	SB12
Sample Name	SB12_1-2
Sample Date	8/18/2021
Sample Depth	1-2
Block/Lot	Lot 17
VOCs	
1,2,4-Trimethylbenzene	<0.003 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.003 U
Acetone	**0.19**
Benzene	0.0063
Ethylbenzene	<0.003 U
n-Propylbenzene	0.0059 J
Toluene	<0.003 U
Total Xylenes	0.015 J
SVOCs	
Benzo(a)anthracene	0.645 D
Benzo(a)pyrene	0.783 D
Benzo(b)fluoranthene	0.929 D
Benzo(k)fluoranthene	0.728 D
Chrysene	**1.07 D**
Dibenz(a,h)anthracene	<0.0467 U
Indeno(1,2,3-cd)pyrene	**0.542 D**
Naphthalene	0.748 D
Phenanthrene	1.03 D
PCBs	
Total PCBs	**0.734**
Metals	
Arsenic	**39.5**
Barium	**770**
Cadmium	**28.2**
Copper	**918**
Lead	**3,100**
Mercury	**0.993**
Nickel	**117**
Silver	<0.56 U
Zinc	**1,330**

Location	SB24
Sample Name	SB24_1-2
Sample Date	8/18/2021
Sample Depth	1-2
Block/Lot	Lot 17
VOCs	
1,2,4-Trimethylbenzene	<0.003 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.003 U
Acetone	<0.006 U
Benzene	<0.003 U
Ethylbenzene	<0.003 U
n-Propylbenzene	<0.003 U
Toluene	<0.003 U
Total Xylenes	<0.009 U
SVOCs	
Benzo(a)anthracene	**2.06 D**
Benzo(a)pyrene	**1.83 D**
Benzo(b)fluoranthene	**1.92 D**
Benzo(k)fluoranthene	**1.51 D**
Chrysene	**2.15 D**
Dibenz(a,h)anthracene	**0.508 D**
Indeno(1,2,3-cd)pyrene	**1.78 D**
Naphthalene	0.68 D
Phenanthrene	3.85 D
PCBs	
Total PCBs	<0.019 U
Metals	
Arsenic	7.41
Barium	189
Cadmium	<0.346 U
Copper	**253**
Lead	**400**
Mercury	**0.654**
Nickel	11.8
Silver	<0.576 U
Zinc	36.8

Location	SB19
Sample Name	SB19_8-9
Sample Date	8/18/2021
Sample Depth	8-9
Block/Lot	Lot 17
VOCs	
1,2,4-Trimethylbenzene	<0.0037 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.0037 U
Acetone	<0.0073 U
Benzene	<0.0037 U
Ethylbenzene	<0.0037 U
n-Propylbenzene	<0.0037 U
Toluene	<0.0037 U
Total Xylenes	<0.011 U
SVOCs	
Benzo(a)anthracene	0.119 D
Benzo(a)pyrene	0.142 D
Benzo(b)fluoranthene	0.101 D
Benzo(k)fluoranthene	0.0964 D
Chrysene	0.129 D
Dibenz(a,h)anthracene	<0.0472 U
Indeno(1,2,3-cd)pyrene	0.107 D
Naphthalene	0.0519 JD
Phenanthrene	0.0933 JD
PCBs	
Total PCBs	<0.0186 U
Metals	
Arsenic	4.09
Barium	34.2
Cadmium	<0.341 U
Copper	276
Lead	28.1
Mercury	0.0439
Nickel	15.4
Silver	<0.568 U
Zinc	378

Location	SB18
Sample Name	SB18_7-8
Sample Date	8/18/2021
Sample Depth	7-8
Block/Lot	Lot 17
VOCs	
1,2,4-Trimethylbenzene	<0.0022 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.0022 U
Acetone	0.0092
Benzene	0.0039 J
Ethylbenzene	<0.0022 U
n-Propylbenzene	<0.0022 U
Toluene	0.0025 J
Total Xylenes	<0.0067 U
SVOCs	
Benzo(a)anthracene	<0.0466 U
Benzo(a)pyrene	<0.0466 U
Benzo(b)fluoranthene	<0.0466 U
Benzo(k)fluoranthene	<0.0466 U
Chrysene	<0.0466 U
Dibenz(a,h)anthracene	<0.0466 U
Indeno(1,2,3-cd)pyrene	<0.0466 U
Naphthalene	<0.0466 U
Phenanthrene	<0.0466 U
PCBs	
Total PCBs	<0.0188 U
Metals	
Arsenic	<1.7 U
Barium	36.4
Cadmium	<0.34 U
Copper	**142**
Lead	**110**
Mercury	**0.325**
Nickel	14.9
Silver	<0.567 U
Zinc	38.6

Legend

- Soil Boring Location
- Soil Boring/Monitoring Well Location
- Proposed BCP Site Boundary
- Approximate Location of Historical Gas Holder

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residental SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs
VOCs			
1,2,4-Trimethylbenzene	3.6	52	190
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	190
Acetone	0.05	100	500
Benzene	0.06	4.8	44
Ethylbenzene	1	41	390
Naphthalene	12	100	500
n-Propylbenzene	3.9	100	500
Toluene	0.7	100	500
Total Xylenes	0.26	100	500
SVOCs			
Benzo(a)anthracene	1	1	5.6
Benzo(a)pyrene	1	1	1
Benzo(b)fluoranthene	1	1	5.6
Benzo(k)fluoranthene	0.8	3.9	56
Chrysene	1	3.9	56
Dibenz(a,h)anthracene	0.33	0.33	0.56
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6
Naphthalene	12	100	500
Phenanthrene	100	100	500
Pesticides			
4,4'-DDD	0.0033	13	92
PCBs			
Total PCBs	0.1	1	1
Metals			
Arsenic	13	16	16
Barium	350	400	400
Cadmium	2.5	4.3	9.3
Chromium, Trivalent	30	180	1500
Copper	50	270	270
Lead	63	400	1000
Mercury	0.18	0.81	2.8
Nickel	30	310	310
Silver	2	180	1500
Zinc	109	10000	10000

Notes:
1. World aerial imagery basemap is provided through Langan's Esri and ArcGIS software licensing and ArcGIS online.
2. BCP - Brownfield Cleanup Program
3. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Restricted-Residential and NYSDEC Part 375 Restricted Use Commercial Soil Cleanup Objectives (SCO).
4. Results are shown in milligram per kilogram (mg/kg)

Qualifiers:
D = The concentration reported is a result of a diluted sample.
E = The result is estimated and cannot be accurately reported due to levels encountered or interferences.
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Exceedance Summary

10 Result exceeds NYSDEC Part 375 Unrestricted Use SCOs
10 - Result exceeds NYSDEC Part 375 Restricted Use Restricted-Residential SCOs
10 - Result exceeds NYSDEC Part 375 Restricted Use Commercial SCOs

100 0 100
SCALE IN FEET

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Project
SACKETT DEGRAW
BLOCK No. 426,
LOT Nos. p/o 17 & p/o 49
BROOKLYN NEW YORK

Figure Title
SOIL SAMPLE LOCATION AND RESULTS MAP

Project No. 170362002
Date 1/14/2022
Scale 1"=100'
Drawn By MG
Figure No. D-1

Path: \\langan.com\data\NY\data0\170362002\Project Data\ArcGIS\APRX\170362002\170362002.aprx Date: 1/14/2022 User: mgeorgalas Time: 4:12 PM

Location	MW05
Sample Name	MW05_081821
Sample Date	8/18/2021
Block/Lot	Lot 17
SVOCs	
Benzo(a)pyrene	**0.0513**
Benzo(b)fluoranthene	**0.0513**
Benzo(k)fluoranthene	**0.0615**
Metals - Dissolved	
Iron	**498**
Magnesium	12,200
Manganese	91.9
Selenium	**16.1 B**
Sodium	**50,800**
Metals - Total	
Iron	<1,250 U
Magnesium	13,400
Manganese	108
Selenium	1.75
Sodium	**59,800**

Location	MW03
Sample Name	MW03_081821
Sample Date	8/18/2021
Block/Lot	Lot 17
SVOCs	
Benzo(a)pyrene	<0.0526 U
Benzo(b)fluoranthene	<0.0526 U
Benzo(k)fluoranthene	<0.0526 U
Metals - Dissolved	
Iron	**15,100**
Magnesium	13,700
Manganese	**887**
Selenium	**13.1 B**
Sodium	**195,000**
Metals - Total	
Iron	**2,780**
Magnesium	9,690
Manganese	262
Selenium	7.38
Sodium	**115,000**

Legend

- Soil Boring/Monitoring Well Location
- Proposed BCP Site Boundary
- Approximate Location of Historical Gas Holder

Analyte	NYSDEC SGVs
SVOCs	
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Metals	
Iron	300
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000

Notes:
1. World aerial imagery basemap is provided through Langan's Esri and ArcGIS software licensing and ArcGIS online.
2. BCP - Brownfield Cleanup Program
3. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
4. Results are shown in micrograms per liter (ug/l)

Qualifiers:
B = The analyte was found in the associated analysis batch blank.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL

Exceedance Summary

10 - Result exceeds NYSDEC SGVs

80 0 80
SCALE IN FEET

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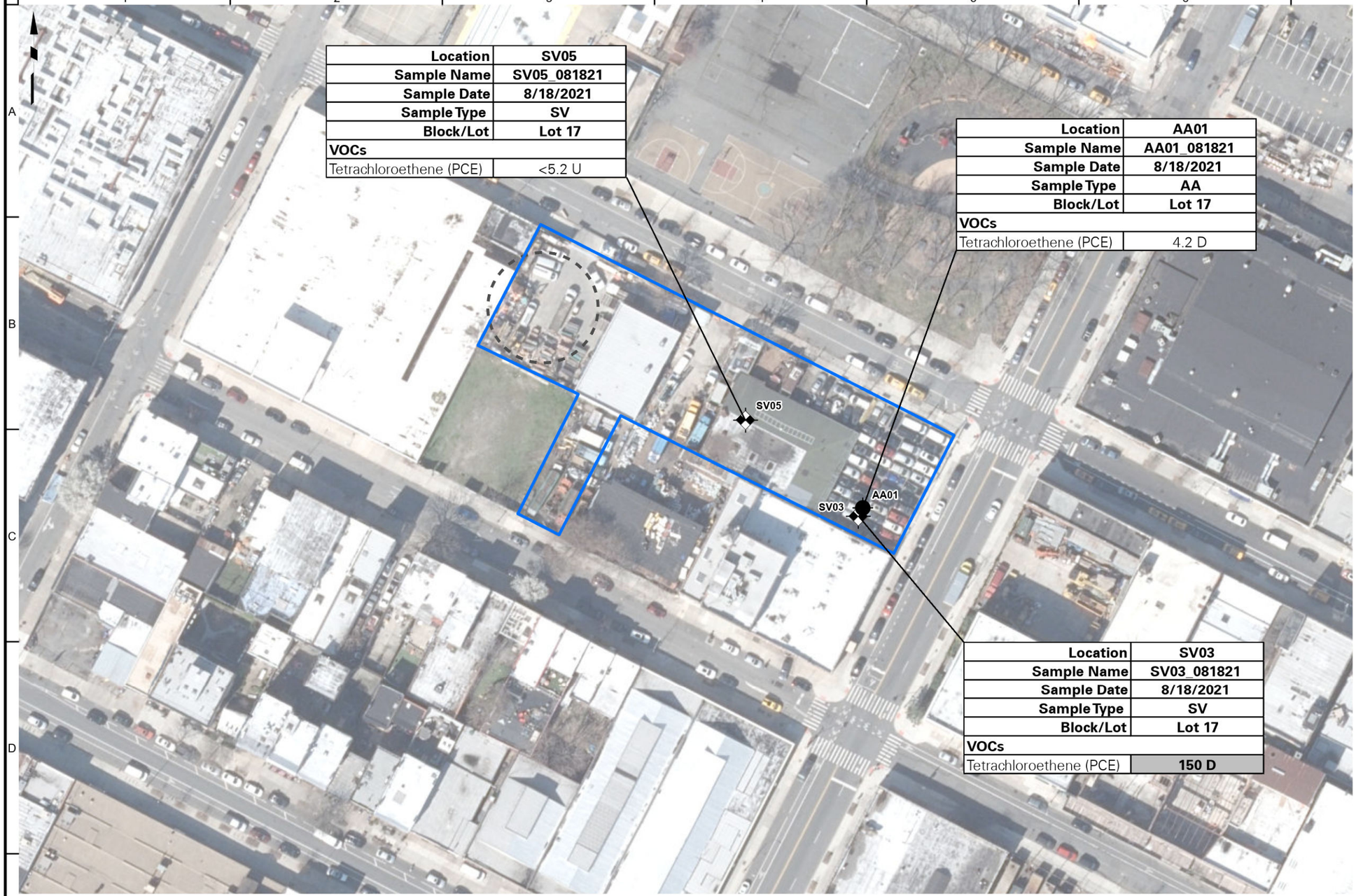
Project
SACKETT DEGRAW
BLOCK No. 426,
LOT Nos. p/o 17 & p/o 49
BROOKLYN NEW YORK

Figure Title
GROUNDWATER SAMPLE LOCATION AND RESULTS MAP

Project No. 170362002
Date 1/14/2022
Scale 1"=80'
Drawn By MG
Figure No. D-2

Path: \\langan.com\data\NY\data0\170362002\Project Data\ArcGIS\APRX\170362002\170362002.aprx Date: 1/14/2022 User: mgeorgalas Time: 4:13 PM



Location	SV05
Sample Name	SV05_081821
Sample Date	8/18/2021
Sample Type	SV
Block/Lot	Lot 17
VOCs	
Tetrachloroethene (PCE)	<5.2 U

Location	AA01
Sample Name	AA01_081821
Sample Date	8/18/2021
Sample Type	AA
Block/Lot	Lot 17
VOCs	
Tetrachloroethene (PCE)	4.2 D

Location	SV03
Sample Name	SV03_081821
Sample Date	8/18/2021
Sample Type	SV
Block/Lot	Lot 17
VOCs	
Tetrachloroethene (PCE)	150 D

Legend

- Ambient Air Sample Location
- Soil Vapor Sample Location
- Proposed BCP Site Boundary
- Approximate Location of Historical Gas Holder

Analyte	NYSDOH Decision Matrices Minimum Concentrations
VOCs	
Tetrachloroethene (PCE)	100

Notes:
1. World aerial imagery basemap is provided through Langan's Esri and ArcGIS software licensing and ArcGIS online.
2. BCP - Brownfield Cleanup Program
3. Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
4. Results are shown in micrograms per cubic meter (ug/m3)

Qualifiers:
D = The concentration reported is a result of a diluted sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Exceedance Summary

10 - Result exceeds NYSDOH Decision Matrices Minimum Concentrations

80 0 80
SCALE IN FEET

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Project
SACKETT DEGRAW
BLOCK No. 426,
LOT Nos. p/o 17 & p/o 49
BROOKLYN NEW YORK

Figure Title
SOIL VAPOR SAMPLE LOCATION AND RESULTS MAP

Project No. 170362002
Date 1/14/2022
Scale 1"=80'
Drawn By MG
Figure No. D-3

Path: \\langan.com\data\NY\data0\170362002\Project Data\ArcGIS\APRX\170362002\170362002.aprx Date: 1/14/2022 User: mgeorgalas Time: 4:13 PM

Tables

LEGEND

- APPROXIMATE BOUNDARY OF FORMER FULTON MGP PROPERTY
- HISTORIC MGP STRUCTURE
- REMEDIAL INVESTIGATION (RI) PARCEL BOUNDARY (PARCELS I TO VIII)

2010/2011 COLUMN AND UTILITY EXCAVATION

- COLUMN AND UTILITY EXCAVATION

FULTON MUNICIPAL WORKS MGP REMEDIAL INVESTIGATION (RI) SAMPLE LOCATIONS

FW-MW-01	MONITORING WELL
FW-SB-01	SOIL BORING
FW-SB-20	SOIL BORING WITH TEMPORARY GROUNDWATER WELL SAMPLE
FW-SS-06	SURFACE SOIL SAMPLE
FW-SV-10	SOIL VAPOR POINT
FW-IA-01	INDOOR AIR SAMPLE
FW-OA-01	OUTDOOR AIR SAMPLE
TBM-1	GOWANUS CANAL GAUGING POINT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) GOWANUS CANAL RI SAMPLE LOCATIONS

GCMW-04S,I	USEPA BORING/MONITORING WELL
GC-SD107	USEPA SEDIMENT CORE
SGMW-3	USEPA GOWANUS CANAL GAUGING POINT

PREVIOUS SAMPLE LOCATIONS

KSF-SB-24	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) SITE CHARACTERIZATION (SC) BORING
KSF-SB-23/MW-1	NYSDEC SC MONITORING WELL
MW-7	PREVIOUS NYSDEC SPILL REPORT INVESTIGATION MONITORING WELL/ BORING
SB-1	PREVIOUS NYSDEC SPILL REPORT INVESTIGATION BORING
GC-GP-05	KEYSPAN CORPORATION (NATIONAL GRID) GOWANUS CANAL RI BORING
GC-SED-01	KEYSPAN CORPORATION (NATIONAL GRID) GOWANUS CANAL RI SEDIMENT CORE

NOTES:

1. * INDICATES THE SAMPLE LOCATION WAS NOT SURVEYED (LOCATION APPROXIMATE).
2. SINGLE RI MONITORING WELLS WERE SCREENED AT OR NEAR THE WATER TABLE. SHALLOW "S", INTERMEDIATE "I", DEEP ZONE "D1" AND JAMECO "D2" DESIGNATIONS ARE USED FOR MONITORING WELL CLUSTERS, "S" DESIGNATES A SHALLOW MONITORING WELL SCREENED AT OR NEAR THE WATER TABLE. "I "DESIGNATES A WELL SCREENED APPROXIMATELY 5-FEET BELOW THE NATIVE MATERIAL INTERFACE IN THE GOWANUS CANAL. D1 WELLS ARE SCREENED APPROXIMATELY 5 FEET ABOVE THE ANTICIPATED ELEVATION OF GARDINERS CLAY. D2 WELLS ARE SCREENED WITHIN OR JUST ABOVE JAMECO GRAVEL.
3. OFFSET BORINGS WERE COMPLETED AT THE FOLLOWING LOCATIONS: FW-SB-42/FW-MW-20, FW-SB-41/FW-MW-19, FW-SB-37/FW-MW-18, FW-SB-07/FW-MW-17, FW-MW-04, FW-MW-03, FW-MW-06, FW-MW-05,

SOURCES:

1. GOOGLE™ EARTH PRO, ©2011 GOOGLE, IMAGERY DATE 06/17/10, ACCESSED ON 07/28/11.
2. SANBORN FIRE INSURANCE MAPS (1886 THROUGH 2007).
3. *SITE CHARACTERIZATION REPORT, FULTON FORMER MANUFACTURED GAS PLANT, BROOKLYN (II), KING'S COUNTY, NEW YORK, SITE No. 2-24-051,* SEPTEMBER 2007, PREPARED BY NYSDEC REMEDIAL BUREAU C., DIVISION OF ENVIRONMENTAL REMEDIATION.
4. NEW YORK CITY OPEN ACCESSIBLE SPACE INFORMATION SYSTEM (http://www.oasisnyc.net), ACCESSED JANUARY 2008.
5. SURVEY OF SAMPLE LOCATIONS CONDUCTED BY GEI CONSULTANTS, INC., BY NEW YORK STATE LICENSED LAND SURVEYOR NUMBER 050146, HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83), VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.
6. *DRAWING ID34: FOUNDATION FOR 100,000 GAL. NAPHTHA TANK,* THE BROOKLYN UNION GAS CO, FULTON MUNICIPAL BRANCH, SCALE 1/8"=1 ' DATED AUGUST 16, 1897.
7. *DRAWING 2-F-98: OIL DRAINAGE SYSTEM,* THE BROOKLYN UNION GAS CO., SCALE 1/8"=1 ' DATED DECEMBER, 17,1907.
8. NEW YORK CITY GEOGRAPHIC INFORMATION SYSTEM (GIS) 1924 AERIAL PHOTOGRAPH (http://gis.nyc.gov/doitt/nycitymap/)
9. BIRD'S EYE VIEW PHOTOGRAPH DOUGLASS STREET STORE YARD (19806), THE BROOKLYN UNION GAS CO., DATED MARCH 13, 1928.
10. PROPERTY DEED INFORMATION FOR 270 NEVINS STREET, 537 SACKETT STREET, 225 NEVINS STREET, 560 DEGRAW STREET, AND 191 3RD AVENUE.
11. NEW YORK STATE ARCHIVES, BROOKLYN UNION GAS1915 AND 1920 INSETS 13345-89, 09/29/2009.
12. *DRAFT GOWANUS CANAL REMEDIAL INVESTIGATION REPORT.* PREPARED FOR U.S. ENVIRONMENTAL PROTECTION AGENCY [CONTRACT NO. EP-W-09-009/ WORK ASSIGNMENT NO. 013-RICO-02ZP], PREPARED BY HDR, CH2MHILL, GRB ENVIRONMENTAL SERVICES, INC, JANUARY 2011.
13. *FIGURE 1: TOTAL DISSOLVED VOC CONCENTRATIONS IN GROUNDWATER ON JUNE 15, 2009,* VERIZON NEW YORK FACILITY, 318 NEVINS STREET, BROOKLYN, NY, PREPARED BY ENVIROTRAC, SCALE: 1" =40', REVISION DATE: 8/12/09.
14. *FIGURE 1: AERIAL PHOTOGRAPH,* 242 NEVINS STREET, BROOKLYN, NY, PREPARED BY ENVIROTRAC, FROM LETTER REPORT ADDRESSING NYSDEC SPILL NUMBER 0510846 APRIL 4, 2006, SCALE: 1" = 60', UNDATED.
15. GEI CONSULTANTS, INC. 2009, REMEDIAL INVESTIGATION TECHNICAL REPORT GOWANUS CANAL, BROOKLYN, NEW YORK AOC INDEX NO. A2-0523-0705, SUBMITTED TO: NYSDEC ON BEHALF OF NATIONAL GRID.

REMEDIAL INVESTIGATION REPORT
FULTON MUNICIPAL WORKS FORMER MGP
BOROUGH OF BROOKLYN, NEW YORK

nationalgrid

PROJECT 093020-1-1110

GEI Consultants
455 WINDING BROOK DRIVE
SUITE 201
GLASTONBURY, CONNECTICUT 06033

HISTORICAL MGP STRUCTURES AND RI STUDY AREA SAMPLE LOCATION MAP

July 2012 — Figure 3

I:\Project\National Grid\Fulton\RI\Report\2012-07\Fulton-Sample Locations-2011_No Aerial.dwg

Table 1
Limited Subsurface Investigation Report
Soil Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 170362002

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	Location	SB01	SB03	SB02	SB12	SB18	SB19	SB20	SB24
					Sample Name	SB01_2-4	SB03_2-3	SB02_10-11	SB12_1-2	SB18_7-8	SB19_8-9	SB20_1-2	SB24_1-2
					Sample Date	06/28/2021	06/30/2021	06/30/2021	08/17/2021	08/17/2021	08/17/2021	08/18/2021	08/18/2021
					Sample Depth	2-4	2-3	10-11	1-2	7-8	8-9	1-2	1-2
					Block/Lot	Lot 49	Lot 49	Lot 49	Lot 17	Lot 17	Lot 17	Lot 36	Lot 17
					Unit	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,1,1-Trichloroethane	71-55-6	0.68	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,1-Dichloroethane	75-34-3	0.27	26	240	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,1-Dichloroethene	75-35-4	0.33	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,2,4-Trimethylbenzene	95-63-6	3.6	52	190	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,2-Dichloroethane	107-06-2	0.02	3.1	30	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	52	190	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	130	mg/kg	<0.056 U	<0.067 U	<0.056 U	<0.06 U	<0.045 U	<0.073 U	<0.062 U	<0.06 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	0.0034 J	<0.0037 U	<0.0031 U	<0.003 U
Acetone	67-64-1	**0.05**	100	500	mg/kg	**0.065**	**0.16**	0.0074 J	**0.19**	0.0092	<0.0073 U	<0.0062 U	<0.006 U
Acrolein	107-02-8	NS	NS	NS	mg/kg	<0.0056 U	<0.0067 U	<0.0056 U	<0.006 U	<0.0045 U	<0.0073 U	<0.0062 U	<0.006 U
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Benzene	71-43-2	0.06	4.8	44	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	0.0063	0.0039 J	<0.0037 U	<0.0031 U	<0.003 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Carbon Tetrachloride	56-23-5	0.76	2.4	22	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Chlorobenzene	108-90-7	1.1	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Chloroform	67-66-3	0.37	49	350	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Cis-1,2-Dichloroethene	156-59-2	0.25	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	0.0064	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Ethylbenzene	100-41-4	1	41	390	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	0.0047 J	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0056 U	<0.0067 U	<0.0056 U	0.0073 J	<0.0045 U	<0.0073 U	<0.0062 U	<0.006 U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	500	mg/kg	0.01	0.029	<0.0028 U	0.061	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone	108-10-1	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Methylcyclohexane	108-87-2	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	0.062	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Methylene Chloride	75-09-2	0.05	100	500	mg/kg	<0.0056 U	<0.0067 U	<0.0056 U	<0.006 U	0.0066 J	0.011 J	<0.0062 U	<0.006 U
Naphthalene	91-20-3	12	100	500	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	104-51-8	12	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	0.0052 J	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
n-Propylbenzene	103-65-1	3.9	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	0.0059 J	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	0.0074	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Sec-Butylbenzene	135-98-8	11	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	0.0055 J	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
T-Butylbenzene	98-06-6	5.9	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Tert-Butyl Alcohol	75-65-0	NS	NS	NS	mg/kg	<0.0028 U	0.0055 J	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Tert-Butyl Methyl Ether	1634-04-4	0.93	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Tetrachloroethene (PCE)	127-18-4	1.3	19	150	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	0.0069	<0.003 U
Toluene	108-88-3	0.7	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	0.0025 J	<0.0037 U	<0.0031 U	<0.003 U
Total Xylenes	1330-20-7	0.26	100	500	mg/kg	<0.0085 U	<0.01 U	<0.0084 U	0.015 J	<0.0067 U	<0.011 U	<0.0093 U	<0.009 U
Trans-1,2-Dichloroethene	156-60-5	0.19	100	500	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	NA	NA	NA	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Trichloroethene (TCE)	79-01-6	0.47	21	200	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U
Vinyl Chloride	75-01-4	0.02	0.9	13	mg/kg	<0.0028 U	<0.0033 U	<0.0028 U	<0.003 U	<0.0022 U	<0.0037 U	<0.0031 U	<0.003 U

Refer to notes on Page 4.

Table 1
Limited Subsurface Investigation Report
Soil Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 170362002

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	Location	SB01	SB03	SB02	SB12	SB18	SB19	SB20	SB24
					Sample Name	SB01_2-4	SB03_2-3	SB02_10-11	SB12_1-2	SB18_7-8	SB19_8-9	SB20_1-2	SB24_1-2
					Sample Date	06/28/2021	06/30/2021	06/30/2021	08/17/2021	08/17/2021	08/17/2021	08/18/2021	08/18/2021
					Sample Depth	2-4	2-3	10-11	1-2	7-8	8-9	1-2	1-2
					Block/Lot	Lot 49	Lot 49	Lot 49	Lot 17	Lot 17	Lot 17	Lot 36	Lot 17
					Unit	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds													
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.0914 U	<0.11 U	<0.0925 U	<0.0932 U	<0.0931 U	<0.0942 U	<0.0934 U	<0.0948 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	NA	NA	NA	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	mg/kg	NA	NA	NA	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	mg/kg	NA	NA	NA	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	mg/kg	NA	NA	NA	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	<0.0914 U	<0.11 U	<0.0925 U	<0.0932 U	<0.0931 U	<0.0942 U	<0.0934 U	<0.0948 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.0914 U	<0.11 U	<0.0925 U	<0.0932 U	<0.0931 U	<0.0942 U	<0.0934 U	<0.0948 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	0.172 D	0.385 D	<0.0464 U	0.894 D	<0.0466 U	<0.0472 U	<0.0468 U	0.317 D
2-Methylphenol (o-Cresol)	95-48-7	0.33	100	500	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.0914 U	<0.11 U	<0.0925 U	<0.0932 U	<0.0931 U	<0.0942 U	<0.0934 U	<0.0948 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	100	500	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.0914 U	<0.11 U	<0.0925 U	<0.0932 U	<0.0931 U	<0.0942 U	<0.0934 U	<0.0948 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.0914 U	<0.11 U	<0.0925 U	<0.0932 U	<0.0931 U	<0.0942 U	<0.0934 U	<0.0948 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.0914 U	<0.11 U	<0.0925 U	<0.0932 U	<0.0931 U	<0.0942 U	<0.0934 U	<0.0948 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.0914 U	<0.11 U	<0.0925 U	<0.0932 U	<0.0931 U	<0.0942 U	<0.0934 U	<0.0948 U
Acenaphthene	83-32-9	20	100	500	mg/kg	0.139 D	<0.0553 U	<0.0464 U	0.122 D	<0.0466 U	<0.0472 U	0.0552 JD	0.326 D
Acenaphthylene	208-96-8	100	100	500	mg/kg	0.42 D	<0.0553 U	<0.0464 U	0.104 D	<0.0466 U	0.0527 JD	0.0493 JD	0.145 D
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	<0.183 U	<0.221 U	<0.185 U	<0.187 U	<0.186 U	<0.189 U	<0.187 U	<0.19 U
Anthracene	120-12-7	100	100	500	mg/kg	0.433 D	0.0767 JD	<0.0464 U	0.272 D	<0.0466 U	<0.0472 U	0.169 D	0.796 D
Atrazine	1912-24-9	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Benzidine	92-87-5	NS	NS	NS	mg/kg	<0.183 U	<0.221 U	<0.185 U	<0.187 U	<0.186 U	<0.189 U	<0.187 U	<0.19 U
Benzo(a)anthracene	56-55-3	**1**	1	5.6	mg/kg	**1.15 D**	0.199 D	<0.0464 U	0.645 D	<0.0466 U	0.119 D	0.761 D	**2.06 D**
Benzo(a)pyrene	50-32-8	**1**	1	1	mg/kg	**1.8 D**	0.222 D	<0.0464 U	0.783 D	<0.0466 U	0.142 D	0.725 D	**1.83 D**
Benzo(b)fluoranthene	205-99-2	**1**	1	5.6	mg/kg	0.862 D	0.236 D	<0.0464 U	0.929 D	<0.0466 U	0.101 D	0.555 D	**1.92 D**
Benzo(g,h,i)Perylene	191-24-2	100	100	500	mg/kg	1.28 D	0.241 D	<0.0464 U	0.886 D	<0.0466 U	0.0956 D	0.464 D	1.36 D
Benzo(k)fluoranthene	207-08-9	**0.8**	3.9	56	mg/kg	**1.33 D**	0.191 D	<0.0464 U	0.728 D	<0.0466 U	0.0964 D	0.545 D	**1.51 D**
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.0458 U	0.0838 JD	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	1.08 D	0.263 D	<0.0464 U	5.65 D	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Caprolactam	105-60-2	NS	NS	NS	mg/kg	<0.0914 U	<0.11 U	<0.0925 U	<0.0932 U	<0.0931 U	<0.0942 U	<0.0934 U	<0.0948 U
Carbazole	86-74-8	NS	NS	NS	mg/kg	0.123 D	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	0.0597 JD	0.311 D
Chrysene	218-01-9	**1**	3.9	56	mg/kg	**1.14 D**	0.257 D	<0.0464 U	**1.07 D**	<0.0466 U	0.129 D	0.682 D	**2.15 D**
Dibenz(a,h)anthracene	53-70-3	**0.33**	0.33	0.56	mg/kg	**0.365 D**	0.0564 JD	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	0.124 D	**0.508 D**
Dibenzofuran	132-64-9	7	59	350	mg/kg	0.0804 JD	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	0.2 D
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	0.374 D	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Diphenylamine	122-39-4	NS	NS	NS	mg/kg	<0.0914 U	<0.11 U	<0.0925 U	<0.0932 U	<0.0931 U	<0.0942 U	<0.0934 U	<0.0948 U
Fluoranthene	206-44-0	100	100	500	mg/kg	2.29 D	0.367 D	<0.0464 U	1.48 D	0.0536 JD	0.144 D	1.34 D	4.09 D
Fluorene	86-73-7	30	100	500	mg/kg	0.223 D	0.127 D	<0.0464 U	0.234 D	<0.0466 U	<0.0472 U	<0.0468 U	0.319 D
Hexachlorobenzene	118-74-1	0.33	1.2	6	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	0.5	5.6	mg/kg	**1.06 D**	0.223 D	<0.0464 U	**0.542 D**	<0.0466 U	0.107 D	**0.607 D**	**1.78 D**
Isophorone	78-59-1	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Naphthalene	91-20-3	12	100	500	mg/kg	0.191 D	0.168 D	<0.0464 U	0.748 D	<0.0466 U	0.0519 JD	0.059 JD	0.68 D
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
n-Nitrosodimethylamine	62-75-9	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Pentachlorophenol	87-86-5	0.8	6.7	6.7	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Phenanthrene	85-01-8	100	100	500	mg/kg	1.26 D	0.314 D	<0.0464 U	1.03 D	<0.0466 U	0.0933 JD	0.747 D	3.85 D
Phenol	108-95-2	0.33	100	500	mg/kg	<0.0458 U	<0.0553 U	<0.0464 U	<0.0467 U	<0.0466 U	<0.0472 U	<0.0468 U	<0.0475 U
Pyrene	129-00-0	100	100	500	mg/kg	2.44 D	0.443 D	<0.0464 U	1.99 D	0.0476 JD	0.167 D	1.28 D	3.83 D
Pyridine	110-86-1	NS	NS	NS	mg/kg	<0.183 U	<0.221 U	<0.185 U	NA	NA	NA	NA	NA

Refer to notes on Page 4.

Table 1
Limited Subsurface Investigation Report
Soil Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 170362002

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	Location	SB01	SB03	SB02	SB12	SB18	SB19	SB20	SB24
					Sample Name	SB01_2-4	SB03_2-3	SB02_10-11	SB12_1-2	SB18_7-8	SB19_8-9	SB20_1-2	SB24_1-2
					Sample Date	06/28/2021	06/30/2021	06/30/2021	08/17/2021	08/17/2021	08/17/2021	08/18/2021	08/18/2021
					Sample Depth	2-4	2-3	10-11	1-2	7-8	8-9	1-2	1-2
					Block/Lot	Lot 49	Lot 49	Lot 49	Lot 17	Lot 17	Lot 17	Lot 36	Lot 17
					Unit	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides													
4,4'-DDD	72-54-8	**0.0033**	13	92	mg/kg	<0.00183 U	**0.0132 D**	<0.00179 U	NA	NA	NA	NA	NA
4,4'-DDE	72-55-9	0.0033	8.9	62	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
4,4'-DDT	50-29-3	0.0033	7.9	47	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Aldrin	309-00-2	0.005	0.097	0.68	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.48	3.4	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Alpha Chlordane	5103-71-9	0.094	4.2	24	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Alpha Endosulfan	959-98-8	2.4	24	200	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.36	3	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Beta Endosulfan	33213-65-9	2.4	24	200	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	<0.0367 U	<0.0427 U	<0.0358 U	NA	NA	NA	NA	NA
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	100	500	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Dieldrin	60-57-1	0.005	0.2	1.4	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Endosulfan Sulfate	1031-07-8	2.4	24	200	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Endrin	72-20-8	0.014	11	89	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Gamma Bhc (Lindane)	58-89-9	0.1	1.3	9.2	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Gamma-Chlordane	5566-34-7	NS	NS	NS	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Heptachlor	76-44-8	0.042	2.1	15	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	<0.00183 U	<0.00213 U	<0.00179 U	NA	NA	NA	NA	NA
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	<0.00916 U	<0.0107 U	<0.00895 U	NA	NA	NA	NA	NA
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	<0.0927 U	<0.108 U	<0.0905 U	NA	NA	NA	NA	NA
Herbicides													
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	<0.0224 U	<0.0264 U	<0.0223 U	NA	NA	NA	NA	NA
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	<0.0224 U	<0.0264 U	<0.0223 U	NA	NA	NA	NA	NA
Silvex (2,4,5-Tp)	93-72-1	3.8	100	500	mg/kg	<0.0224 U	<0.0264 U	<0.0223 U	NA	NA	NA	NA	NA
Polychlorinated Biphenyl													
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.0185 U	<0.0215 U	<0.0181 U	<0.0186 U	<0.0188 U	<0.0186 U	<0.0188 U	<0.019 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.0185 U	<0.0215 U	<0.0181 U	<0.0186 U	<0.0188 U	<0.0186 U	<0.0188 U	<0.019 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	<0.0185 U	<0.0215 U	<0.0181 U	<0.0186 U	<0.0188 U	<0.0186 U	<0.0188 U	<0.019 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.0185 U	<0.0215 U	<0.0181 U	<0.0186 U	<0.0188 U	<0.0186 U	<0.0188 U	<0.019 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.0185 U	<0.0215 U	<0.0181 U	<0.0186 U	<0.0188 U	<0.0186 U	<0.0188 U	<0.019 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.0185 U	<0.0215 U	<0.0181 U	0.187	<0.0188 U	<0.0186 U	<0.0188 U	<0.019 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	0.135	0.319	<0.0181 U	<0.0186 U	<0.0188 U	<0.0186 U	<0.0188 U	<0.019 U
Total PCBs	1336-36-3	**0.1**	1	1	mg/kg	**0.135**	**0.319**	<0.0181 U	**0.734**	<0.0188 U	<0.0186 U	<0.0188 U	<0.019 U
Metals													
Aluminum	7429-90-5	NS	NS	NS	mg/kg	8,030	7,230	8,240	5,270	3,780	2,070	8,470	1,480
Antimony	7440-36-0	NS	NS	NS	mg/kg	<2.82 U	49	<2.79 U	6.06	<2.84 U	<2.84 U	<2.88 U	<2.88 U
Arsenic	7440-38-2	**13**	16	16	mg/kg	**15**	**29.3**	6.16	**39.5**	<1.7 U	4.09	8.07	7.41
Barium	7440-39-3	**350**	400	400	mg/kg	259	**2,100**	68.7	**770**	36.4	34.2	202	189
Beryllium	7440-41-7	7.2	72	590	mg/kg	<0.056 U	<0.067 U	<0.056 U	<0.056 U	<0.057 U	<0.057 U	0.151	<0.058 U
Cadmium	7440-43-9	**2.5**	4.3	9.3	mg/kg	**7.78**	**35.6**	<0.335 U	**28.2**	<0.34 U	<0.341 U	1.36	<0.346 U
Calcium	7440-70-2	NS	NS	NS	mg/kg	37,400	19,800 B	1,130 B	12,000 B	1,550 B	3,420 B	8,630 B	1,030 B
Chromium, Hexavalent	18540-29-9	1	110	400	mg/kg	<0.565 U	<0.666 U	<0.558 U	NA	NA	NA	NA	NA
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	48.2	222	15.5	152	8.86	10	18.3	9.05
Chromium, Trivalent	16065-83-1	**30**	180	1500	mg/kg	**48.2**	**222**	15.5	NA	NA	NA	NA	NA
Cobalt	7440-48-4	NS	NS	NS	mg/kg	10.8	28.1	6.81	25.3	5.4	5.56	8.82	3.63
Copper	7440-50-8	**50**	270	270	mg/kg	**451**	**2,010**	23.7	**918**	**142**	27.6	**514**	**253**
Cyanide	57-12-5	27	27	27	mg/kg	0.76	1.65	<0.558 U	NA	NA	NA	NA	NA
Iron	7439-89-6	NS	NS	NS	mg/kg	49,100	166,000 D	13,300	108,000	11,500	5,450	14,900	43,700
Lead	7439-92-1	**63**	400	1000	mg/kg	**711**	**4,540**	24.7	**3,100**	**110**	28.1	**555**	**400**
Magnesium	7439-95-4	NS	NS	NS	mg/kg	11,300	3,060	2,230	3,970	849	1,220	1,720	203
Manganese	7439-96-5	1600	2000	10000	mg/kg	399	1,010	376	728	131	40.2	213	64.3
Mercury	7439-97-6	**0.18**	0.81	2.8	mg/kg	**0.528**	<0.0399 U	<0.0335 U	**0.993**	**0.325**	0.0439	**2.93**	**0.654**
Nickel	7440-02-0	**30**	310	310	mg/kg	**49.5**	**132**	24.9	**117**	14.9	15.4	24.5	11.8
Potassium	7440-09-7	NS	NS	NS	mg/kg	2,350	1,110	1,240	649	601	470	1,400	1,240
Selenium	7782-49-2	3.9	180	1500	mg/kg	<2.82 U	<3.33 U	<2.79 U	<2.8 U	<2.84 U	<2.84 U	<2.88 U	<2.88 U
Silver	7440-22-4	**2**	180	1500	mg/kg	<0.565 U	**4.34**	<0.558 U	<0.56 U	<0.567 U	<0.568 U	<0.577 U	<0.576 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	244	566	95.9	323	168	185	857	762
Thallium	7440-28-0	NS	NS	NS	mg/kg	<2.82 U	<3.33 U	<2.79 U	<2.8 U	<2.84 U	<2.84 U	<2.88 U	<2.88 U
Vanadium	7440-62-2	NS	NS	NS	mg/kg	31.2	52.9	18.9	95.3	14.2	10.1	25.1	21.2
Zinc	7440-66-6	**109**	10000	10000	mg/kg	**779**	**7,530 D**	40.9	**1,330**	38.6	37.8	**652**	36.8
General Chemistry													
Solids, Percent	SOLID	NS	NS	NS	Percent	88.6	75.1	89.5	89.2	88.2	88	86.7	86.8

Refer to notes on Page 4.

Table 1
Limited Subsurface Investigation Report
Soil Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 170362002

Notes:
CAS - Chemical Abstract Service
NS - No standard
mg/kg = milligram per kilogram
NA - Not Analyzed
RL - Reporting Limit
<RL - Not detected

Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Restricted Use Restricted-Residential and NYSDEC Part 375 Restricted Use Commercial Soil Cleanup Objectives (SCO).

Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol).

Qualifiers:
D = The concentration reported is a result of a diluted sample.
E = The result is estimated and cannot be accurately reported due to levels encountered or interferences.
J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
B = The analyte was found in the associated analysis batch blank.

Exceedance Summary:
10 - Result exceeds NYSDEC Part 375 Unrestricted Use SCOs.
10 - Result exceeds NYSDEC Part 375 Restricted Use Restricted-Residential SCOs.
10 - Result exceeds NYSDEC Part 375 Restricted Use Commercial SCOs.

Table 2
Limited Subsurface Investigation Report
Groundwater Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 170362002

Analyte	CAS Number	NYSDEC SGVs	Location	MW03	MW05
			Sample Name	MW03_081821	MW05_081821
			Sample Date	8/18/2021	8/18/2021
			Block/Lot	Lot 17	Lot 17
			Unit	Result	Result
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<0.2 U
1,1,1-Trichloroethane	71-55-6	5	ug/l	<0.2 U	<0.2 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<0.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<0.2 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U	<0.2 U
1,1-Dichloroethane	75-34-3	5	ug/l	<0.2 U	<0.2 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U	<0.2 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 U	<0.2 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<0.2 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<0.2 U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	<0.2 U	<0.2 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<0.2 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U	<0.2 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<0.2 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	<0.2 U	<0.2 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	<0.2 U	<0.2 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<0.2 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<0.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/l	<40 U	<40 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<0.2 U
Acetone	67-64-1	50	ug/l	4.2	<1 U
Acrolein	107-02-8	5	ug/l	<0.2 U	<0.2 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U	<0.2 U
Benzene	71-43-2	1	ug/l	<0.2 U	<0.2 U
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<0.2 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<0.2 U
Bromoform	75-25-2	50	ug/l	<0.2 U	<0.2 U
Bromomethane	74-83-9	5	ug/l	<0.2 U	<0.2 U
Carbon Disulfide	75-15-0	60	ug/l	<0.2 U	<0.2 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<0.2 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<0.2 U
Chloroethane	75-00-3	5	ug/l	<0.2 U	<0.2 U
Chloroform	67-66-3	7	ug/l	<0.2 U	<0.2 U
Chloromethane	74-87-3	5	ug/l	<0.2 U	<0.2 U
Cis-1,2-Dichloroethene	156-59-2	5	ug/l	<0.2 U	<0.2 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<0.2 U
Cyclohexane	110-82-7	NS	ug/l	0.4 J	<0.2 U
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<0.2 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<0.2 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<0.2 U
Ethylbenzene	100-41-4	5	ug/l	<0.2 U	<0.2 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<0.2 U
Isopropylbenzene (Cumene)	98-82-8	5	ug/l	<0.2 U	<0.2 U
M,P-Xylene	179601-23-1	5	ug/l	<0.5 U	<0.5 U
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U	<0.2 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	<0.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	<0.2 U
Methylcyclohexane	108-87-2	NS	ug/l	<0.2 U	<0.2 U
Methylene Chloride	75-09-2	5	ug/l	<1 U	<1 U
n-Butylbenzene	104-51-8	5	ug/l	<0.2 U	<0.2 U
n-Propylbenzene	103-65-1	5	ug/l	<0.2 U	<0.2 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	5	ug/l	<0.2 U	<0.2 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U	<0.2 U
Sec-Butylbenzene	135-98-8	5	ug/l	<0.2 U	<0.2 U
Styrene	100-42-5	5	ug/l	<0.2 U	<0.2 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<0.2 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 U	<0.5 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<0.2 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.2 U	<0.2 U
Toluene	108-88-3	5	ug/l	<0.2 U	<0.2 U
Total Xylenes	1330-20-7	5	ug/l	<0.6 U	<0.6 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.2 U	<0.2 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<0.2 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U	<0.2 U
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.2 U	<0.2 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<0.2 U
Vinyl Chloride	75-01-4	2	ug/l	<0.2 U	<0.2 U

Refer to notes on Page 5.

Table 2
Limited Subsurface Investigation Report
Groundwater Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 170362002

Analyte	CAS Number	NYSDEC SGVs	Location	MW03	MW05
			Sample Name	MW03_081821	MW05_081821
			Sample Date	8/18/2021	8/18/2021
			Block/Lot	Lot 17	Lot 17
			Unit	Result	Result
Semivolatile Organic Compounds					
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/l	<2.63 U	<2.56 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<2.63 U	<2.56 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<2.63 U	<2.56 U
1,2-Diphenylhydrazine	122-66-7	0	ug/l	<2.63 U	<2.56 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<2.63 U	<2.56 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<2.63 U	<2.56 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	ug/l	<1.32 U	<1.28 U
2,4,5-Trichlorophenol	95-95-4	NS	ug/l	<1.32 U	<1.28 U
2,4,6-Trichlorophenol	88-06-2	NS	ug/l	<1.32 U	<1.28 U
2,4-Dichlorophenol	120-83-2	1	ug/l	<1.32 U	<1.28 U
2,4-Dimethylphenol	105-67-9	1	ug/l	<1.32 U	<1.28 U
2,4-Dinitrophenol	51-28-5	1	ug/l	<1.32 U	<1.28 U
2,4-Dinitrotoluene	121-14-2	5	ug/l	<2.63 U	<2.56 U
2,6-Dinitrotoluene	606-20-2	5	ug/l	<2.63 U	<2.56 U
2-Chloronaphthalene	91-58-7	10	ug/l	<2.63 U	<2.56 U
2-Chlorophenol	95-57-8	NS	ug/l	<1.32 U	<1.28 U
2-Methylnaphthalene	91-57-6	NS	ug/l	<2.63 U	<2.56 U
2-Methylphenol (o-Cresol)	95-48-7	NS	ug/l	<1.32 U	<1.28 U
2-Nitroaniline	88-74-4	5	ug/l	<2.63 U	<2.56 U
2-Nitrophenol	88-75-5	NS	ug/l	<1.32 U	<1.28 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	NS	ug/l	<1.32 U	<1.28 U
3,3'-Dichlorobenzidine	91-94-1	5	ug/l	<2.63 U	<2.56 U
3-Nitroaniline	99-09-2	5	ug/l	<2.63 U	<2.56 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	ug/l	<1.32 U	<1.28 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	ug/l	<2.63 U	<2.56 U
4-Chloro-3-Methylphenol	59-50-7	NS	ug/l	<1.32 U	<1.28 U
4-Chloroaniline	106-47-8	5	ug/l	<2.63 U	<2.56 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	ug/l	<2.63 U	<2.56 U
4-Nitroaniline	100-01-6	5	ug/l	<2.63 U	<2.56 U
4-Nitrophenol	100-02-7	NS	ug/l	<1.32 U	<1.28 U
Acenaphthene	83-32-9	20	ug/l	0.621	0.0615
Acenaphthylene	208-96-8	NS	ug/l	0.0947	<0.0513 U
Acetophenone	98-86-2	NS	ug/l	<2.63 U	<2.56 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	5	ug/l	<2.63 U	<2.56 U
Anthracene	120-12-7	50	ug/l	<0.0526 U	<0.0513 U
Atrazine	1912-24-9	7.5	ug/l	<0.526 U	<0.513 U
Benzaldehyde	100-52-7	NS	ug/l	<2.63 U	<2.56 U
Benzidine	92-87-5	5	ug/l	<10.5 U	<10.3 U
Benzo(a)anthracene	56-55-3	0.002	ug/l	<0.0526 U	<0.0513 U
Benzo(a)pyrene	50-32-8	**0**	ug/l	<0.0526 U	**0.0513**
Benzo(b)fluoranthene	205-99-2	**0.002**	ug/l	<0.0526 U	**0.0513**
Benzo(g,h,i)Perylene	191-24-2	NS	ug/l	<0.0526 U	<0.0513 U
Benzo(k)fluoranthene	207-08-9	**0.002**	ug/l	<0.0526 U	**0.0615**
Benzoic Acid	65-85-0	NS	ug/l	<26.3 U	<25.6 U
Benzyl Alcohol	100-51-6	NS	ug/l	<2.63 U	<2.56 U
Benzyl Butyl Phthalate	85-68-7	50	ug/l	<2.63 U	<2.56 U
Biphenyl (Diphenyl)	92-52-4	5	ug/l	<2.63 U	<2.56 U
Bis(2-chloroethoxy) methane	111-91-1	5	ug/l	<2.63 U	<2.56 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	1	ug/l	<1.32 U	<1.28 U
Bis(2-chloroisopropyl) ether	108-60-1	5	ug/l	<2.63 U	<2.56 U
Bis(2-ethylhexyl) phthalate	117-81-7	5	ug/l	1.4 B	2.26 B
Caprolactam	105-60-2	NS	ug/l	<2.63 U	<2.56 U
Carbazole	86-74-8	NS	ug/l	<2.63 U	<2.56 U
Chrysene	218-01-9	0.002	ug/l	<0.0526 U	<0.0513 U
Dibenz(a,h)anthracene	53-70-3	NS	ug/l	<0.0526 U	<0.0513 U
Dibenzofuran	132-64-9	NS	ug/l	<2.63 U	<2.56 U
Dibutyl phthalate	84-74-2	50	ug/l	<2.63 U	<2.56 U
Diethyl phthalate	84-66-2	50	ug/l	<2.63 U	<2.56 U
Dimethyl phthalate	131-11-3	50	ug/l	<2.63 U	<2.56 U
Dioctyl phthalate	117-84-0	50	ug/l	<2.63 U	<2.56 U
Fluoranthene	206-44-0	50	ug/l	0.221	0.195
Fluorene	86-73-7	50	ug/l	0.453	0.39
Hexachlorobenzene	118-74-1	0.04	ug/l	<0.0211 U	<0.0205 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.526 U	<0.513 U
Hexachlorocyclopentadiene	77-47-4	5	ug/l	<2.63 U	<2.56 U
Hexachloroethane	67-72-1	5	ug/l	<2.63 U	<0.513 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ug/l	<0.0526 U	<0.0513 U
Isophorone	78-59-1	50	ug/l	<2.63 U	<2.56 U
Naphthalene	91-20-3	10	ug/l	0.253	0.0615
Nitrobenzene	98-95-3	0.4	ug/l	<0.263 U	<0.256 U
n-Nitrosodimethylamine	62-75-9	NS	ug/l	<0.526 U	<0.513 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	ug/l	<2.63 U	<2.56 U
n-Nitrosodiphenylamine	86-30-6	50	ug/l	<2.63 U	<2.56 U
Pentachlorophenol	87-86-5	1	ug/l	<0.263 U	<0.256 U
Phenanthrene	85-01-8	50	ug/l	0.137	0.0923
Phenol	108-95-2	1	ug/l	<1.32 U	<1.28 U
Pyrene	129-00-0	50	ug/l	0.284	0.318
Pyridine	110-86-1	50	ug/l	<2.63 U	<2.56 U

Refer to notes on Page 5.

Table 2
Limited Subsurface Investigation Report
Groundwater Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 170362002

Analyte	CAS Number	NYSDEC SGVs	Location	MW03	MW05
			Sample Name	MW03_081821	MW05_081821
			Sample Date	8/18/2021	8/18/2021
			Block/Lot	Lot 17	Lot 17
			Unit	Result	Result
Metals - Dissolved					
Aluminum	7429-90-5	NS	ug/l	<55.6 U	<50 U
Antimony	7440-36-0	3	ug/l	1.16	<1.11 U
Arsenic	7440-38-2	25	ug/l	3.38	2.11
Barium	7440-39-3	1000	ug/l	214	148
Beryllium	7440-41-7	3	ug/l	<0.333 U	<0.333 U
Cadmium	7440-43-9	5	ug/l	<0.556 U	<0.556 U
Calcium	7440-70-2	NS	ug/l	207,000 B	177,000
Chromium, Total	7440-47-3	50	ug/l	<5.56 U	<5 U
Cobalt	7440-48-4	NS	ug/l	<4.44 U	<4 U
Copper	7440-50-8	200	ug/l	<22.2 U	<20 U
Iron	7439-89-6	**300**	ug/l	**15,100**	**498**
Lead	7439-92-1	25	ug/l	<5.56 U	<5 U
Magnesium	7439-95-4	**35000**	ug/l	13,700	12,200
Manganese	7439-96-5	**300**	ug/l	**887**	91.9
Mercury	7439-97-6	0.7	ug/l	<0.2 U	<0.2 U
Nickel	7440-02-0	100	ug/l	<11.1 U	<10 U
Potassium	7440-09-7	NS	ug/l	20,300	11,500
Selenium	7782-49-2	**10**	ug/l	**13.1 B**	**16.1 B**
Silver	7440-22-4	50	ug/l	<5.56 U	<5 U
Sodium	7440-23-5	**20000**	ug/l	**195,000**	**50,800**
Thallium	7440-28-0	0.5	ug/l	<1.11 U	<1.11 U
Vanadium	7440-62-2	NS	ug/l	<11.1 U	<10 U
Zinc	7440-66-6	2000	ug/l	124	73.7
Metals - Total					
Aluminum	7429-90-5	NS	ug/l	<55.6 U	<250 U
Antimony	7440-36-0	3	ug/l	1.33	<1.11 U
Arsenic	7440-38-2	25	ug/l	3.26	<1.11 U
Barium	7440-39-3	1000	ug/l	129	179
Beryllium	7440-41-7	3	ug/l	<0.333 U	<0.333 U
Cadmium	7440-43-9	5	ug/l	<0.556 U	<0.556 U
Calcium	7440-70-2	NS	ug/l	192,000 B	202,000 B
Chromium, Total	7440-47-3	50	ug/l	<5.56 U	<25 U
Cobalt	7440-48-4	NS	ug/l	<4.44 U	<20 U
Copper	7440-50-8	200	ug/l	<22.2 U	<100 U
Iron	7439-89-6	**300**	ug/l	**2,780**	<1,250 U
Lead	7439-92-1	25	ug/l	<5.56 U	<25 U
Magnesium	7439-95-4	**35000**	ug/l	9,690	13,400
Manganese	7439-96-5	**300**	ug/l	262	108
Mercury	7439-97-6	0.7	ug/l	<0.2 U	<0.2 U
Nickel	7440-02-0	100	ug/l	<11.1 U	<50 U
Potassium	7440-09-7	NS	ug/l	14,700	13,900
Selenium	7782-49-2	10	ug/l	7.38	1.75
Silver	7440-22-4	50	ug/l	<5.56 U	<25 U
Sodium	7440-23-5	**20000**	ug/l	**115,000**	**59,800**
Thallium	7440-28-0	0.5	ug/l	<1.11 U	<1.11 U
Vanadium	7440-62-2	NS	ug/l	<11.1 U	<50 U
Zinc	7440-66-6	2000	ug/l	138	149

Refer to notes on Page 5.

Table 1
Limited Subsurface Investigation Report
Groundwater Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 170362002

Notes:
CAS - Chemical Abstract Service
NS - No standard
ug/l = micrograms per liter
NA - Not Analyzed
RL - Reporting Limit
<RL - Not detected
Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
B = The analyte was found in the associated analysis batch blank.

Exceedance Summary:
10 - Result exceeds NYSDEC SGVs

Table 1
Limited Subsurface Investigation Report
Groundwater Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 170362002

<0.2 U

Table 3
Limited Subsurface Investigation Report
Soil Vapor Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 179362002

Analyte	CAS Number	NYSDOH Decision Matrices Minimum Concentrations	Location	AA01	SV03	SV05
			Sample Name	AA01_081821	SV03_081821	SV05_081821
			Sample Date	8/18/2021	8/18/2021	8/18/2021
			Sample Type	AA	SV	SV
			Block/Lot	Lot 17	Lot 17	Lot 17
			Unit	Result	Result	Result
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	630-20-6	NS	ug/m3	<0.63 U	<6.1 U	<5.3 U
1,1,1-Trichloroethane	71-55-6	100	ug/m3	<0.5 U	<4.9 U	<4.2 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<0.63 U	<6.1 U	<5.3 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<0.71 U	<6.8 U	<5.9 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<0.5 U	<4.9 U	<4.2 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.37 U	<3.6 U	<3.1 U
1,1-Dichloroethene	75-35-4	6	ug/m3	<0.092 U	<0.88 U	<0.76 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<0.69 U	<6.6 U	<5.7 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	0.59 D	10 D	10 D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<0.71 U	<6.8 U	<5.9 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<0.56 U	<5.3 U	<4.6 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.37 U	<3.6 U	<3.1 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.43 U	<4.1 U	<3.6 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<0.65 U	<6.2 U	<5.4 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.45 U	<4.4 U	<3.8 U
1,3-Butadiene	106-99-0	NS	ug/m3	<0.61 U	<5.9 U	21 D
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<0.56 U	<5.3 U	<4.6 U
1,3-Dichloropropane	142-28-9	NS	ug/m3	<0.43 U	<4.1 U	<3.6 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<0.56 U	<5.3 U	<4.6 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.67 U	<6.4 U	7.8 D
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.76 U	15 D	20 D
4-Ethyltoluene	622-96-8	NS	ug/m3	0.5 D	7.9 D	9.1 D
Acetone	67-64-1	NS	ug/m3	8.3 D	630 D	910 D
Acrylonitrile	107-13-1	NS	ug/m3	<0.2 U	<1.9 U	<1.7 U
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<1.4 U	<14 U	<12 U
Benzene	71-43-2	NS	ug/m3	0.74 D	<2.8 U	17 D
Benzyl Chloride	100-44-7	NS	ug/m3	<0.48 U	<4.6 U	<4 U
Bromodichloromethane	75-27-4	NS	ug/m3	<0.62 U	<6 U	<5.2 U
Bromoethene	593-60-2	NS	ug/m3	<0.4 U	<3.9 U	<3.4 U
Bromoform	75-25-2	NS	ug/m3	<0.96 U	<9.2 U	<8 U
Bromomethane	74-83-9	NS	ug/m3	<0.36 U	<3.5 U	<3 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.29 U	4.4 D	160 D
Carbon Tetrachloride	56-23-5	6	ug/m3	0.47 D	2.8 D	2.4 D
Chlorobenzene	108-90-7	NS	ug/m3	<0.43 U	<4.1 U	<3.5 U
Chloroethane	75-00-3	NS	ug/m3	<0.24 U	<2.3 U	5.1 D
Chloroform	67-66-3	NS	ug/m3	<0.45 U	43 D	30 D
Chloromethane	74-87-3	NS	ug/m3	1.3 D	<1.8 U	11 D
Cis-1,2-Dichloroethene	156-59-2	6	ug/m3	<0.092 U	<0.88 U	<0.76 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.42 U	<4 U	<3.5 U
Cyclohexane	110-82-7	NS	ug/m3	0.35 D	<3.1 U	10 D
Dibromochloromethane	124-48-1	NS	ug/m3	<0.79 U	<7.6 U	<6.6 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.6 D	<4.4 U	9.5 D
Ethyl Acetate	141-78-6	NS	ug/m3	<0.67 U	<6.4 U	<5.5 U
Ethylbenzene	100-41-4	NS	ug/m3	0.4 D	<3.9 U	13 D
Hexachlorobutadiene	87-68-3	NS	ug/m3	<0.99 U	<9.5 U	<8.2 U
Isopropanol	67-63-0	NS	ug/m3	4 D	<4.4 U	23 D
M,P-Xylene	179601-23-1	NS	ug/m3	1.6 D	19 D	26 D
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	0.87 D	29 D	63 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<0.38 U	<3.6 U	<3.2 U
Methyl Methacrylate	80-62-6	NS	ug/m3	1.7 D	<3.6 U	7.9 D
Methylene Chloride	75-09-2	100	ug/m3	9.9 D	<6.2 U	<5.3 U
n-Heptane	142-82-5	NS	ug/m3	0.49 D	<3.6 U	8.5 D
n-Hexane	110-54-3	NS	ug/m3	1.4 D	4.1 D	17 D
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	0.56 D	7.3 D	11 D
Propylene	115-07-1	NS	ug/m3	<0.16 U	6.4 D	610 D
Styrene	100-42-5	NS	ug/m3	<0.39 U	<3.8 U	<3.3 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.33 U	<3.2 U	<2.8 U
Tetrachloroethene (PCE)	127-18-4	**100**	ug/m3	4.2 D	**150 D**	<5.2 U
Tetrahydrofuran	109-99-9	NS	ug/m3	<0.55 U	<5.2 U	<4.5 U
Toluene	108-88-3	NS	ug/m3	4.4 D	12 D	26 D
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.37 U	<3.5 U	<3.1 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.42 U	<4 U	<3.5 U
Trichloroethene (TCE)	79-01-6	6	ug/m3	<0.12 U	<1.2 U	<1 U
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.3 D	12 D	5.6 D
Vinyl Acetate	108-05-4	NS	ug/m3	<0.33 U	<3.1 U	<2.7 U
Vinyl Chloride	75-01-4	6	ug/m3	<0.12 U	<1.1 U	<0.98 U

Refer to notes on Page 2.

Table 3
Limited Subsurface Investigation Report
Soil Vapor Sample Analytical Results

560 Degraw Street
Brooklyn, New York
Langan Project No.: 179362002

Notes:
AA = Ambient Air
SV = Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 = micrograms per cubic meter
NA - Not Analyzed
RL - Reporting Limit
<RL - Not detected
Soil vapor sample analtical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
Ambient air sample analytical results are shown for reference only.

Qualifiers:
D = The concentration reported is a result of a diluted sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Exceedance Summary:
10 - Result exceeds NYSDOH Decision Matrices Minimum Concentrations

Table 12
Detected Subsurface Soil Analytical Results Summary
Remedial Investigation Report
Fulton Municipal Works Former MGP Site
Brooklyn, New York

Location	6 NYCRR 375 SCO UNRESTRICTED USE	6 NYCRR 375 SCO RESTRICTED USE COMM	Parcel III-Sackett Street ROW	Parcel III-Sackett Street ROW	Parcel III-Sackett Street ROW	Parcel III-Sackett Street ROW	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV
Sample ID			FW-SB-09	FW-MW-04	FW-MW-04	FW-MW-04	FW-SB-14	FW-SB-14	FW-SB-14	FW-SB-15	FW-SB-15
Sample Depth (ft. bgs)			(62.75-65)	(0-2)	(40-45)	(45-50)	(0-3)	(13.14-15.0)	(16.9-18.5)	(0-3)	(8.6-10)
Sample Date			6/12/2009	6/8/2009	6/11/2009	6/11/2009	6/2/2009	6/2/2009	6/2/2009	5/29/2009	6/2/2009
BTEX (mg/kg)											
Benzene	0.06	44	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	**4.2 J**	**0.13 J**	0.0062 U	0.0056 U
Toluene	0.7	500	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	**4.7 J**	**0.36 J**	0.0062 U	0.0056 U
Ethylbenzene	1	390	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	**97**	**5.9**	0.0062 U	0.0056 U
Total Xylene	0.26	500	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	**110**	**7.5**	0.0062 U	0.0056 U
Total BTEX	NE	NE	ND	ND	ND	ND	ND	**215.9**	**13.89**	ND	ND
Other VOCs (mg/kg)											
Acetone	0.05	500	0.025 U	0.023 U	0.023 U	0.026 U	0.022 UJ	15 U	1.4 U	0.025 UJ	**0.0085 J**
2-Butanone	0.12	500	0.012 U	0.011 U	0.012 U	0.013 U	0.011 U	6.1 U	0.56 U	0.012 U	0.011 U
Carbon disulfide	NE	NE	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	6.1 U	0.56 U	0.0062 U	0.0056 U
Chloroform	0.37	350	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	6.1 U	0.56 U	0.0062 U	0.0056 U
cis-1,2-Dichloroethene	0.25	500	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	6.1 U	0.56 U	0.0062 U	0.0056 U
trans-1,2-Dichloroethene	0.19	500	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	6.1 U	0.56 U	0.0062 U	0.0056 U
1,1-Dichloroethene	0.33	500	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	6.1 U	0.56 U	0.0062 U	0.0056 U
Methylene chloride	0.05	500	0.025 U	0.023 U	0.023 U	0.026 U	0.022 U	6.1 U	0.56 U	0.025 U	0.022 U
Styrene	NE	NE	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	6.1 U	**0.091 J**	0.0062 U	0.0056 U
1,1,2,2-Tetrachloroethane	NE	NE	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	6.1 UJ	0.56 UJ	0.0062 U	0.0056 U
Tetrachloroethene	1.3	150	0.0062 U	0.0057 U	**0.0081**	0.0065 U	0.0054 U	6.1 U	0.56 U	0.0062 U	0.0056 U
Trichloroethene	0.47	200	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	6.1 U	0.56 U	0.0062 U	0.0056 U
Vinyl chloride	0.02	13	0.0062 U	0.0057 U	0.0058 U	0.0065 U	0.0054 U	6.1 U	0.56 U	0.0062 U	0.0056 U
PAHs (mg/kg)											
Acenaphthene	20	500	0.33 U	**0.041 J**	0.31 U	0.34 U	**0.19 J**	**620**	**100**	**0.45 J**	**0.057 J**
Acenaphthylene	100	500	0.33 U	**0.3 J**	0.31 U	0.34 U	**0.4**	**66 J**	**27 J**	**1.5**	0.3 U
Anthracene	100	500	0.33 U	**0.16 J**	0.31 U	0.34 U	**0.4**	**220**	**53**	**1.7**	**0.093 J**
Benz[a]anthracene	1	5.6	0.33 U	**0.68**	0.31 U	0.34 U	**1.1**	**100 J**	**25 J**	**4.8**	**0.16 J**
Benzo[a]pyrene	1	1	0.33 U	**1.1**	0.31 U	0.34 U	**1.4**	**100 J**	**24 J**	**8.7**	**0.14 J**
Benzo[b]fluoranthene	1	5.6	0.33 U	**1.1**	0.31 U	0.34 U	**1.3**	**55 J**	**14 J**	**7.8**	**0.14 J**
Benzo[g,h,i]perylene	100	500	0.33 U	**0.55**	0.31 U	0.34 U	**0.72**	**52 J**	**11 J**	**4.5**	**0.28 J**
Benzo[k]fluoranthene	0.8	56	0.33 U	**0.38**	0.31 U	0.34 U	**0.5**	**28 J**	**5.9 J**	**2.7**	**0.063 J**
Chrysene	1	56	0.33 U	**0.8**	0.31 U	0.34 U	**1.1**	**96 J**	**22 J**	**5.8**	**0.16 J**
Dibenz[a,h]anthracene	0.33	0.56	0.33 U	**0.33**	0.31 U	0.34 U	**0.19 J**	160 U	30 U	**1.3 J**	0.3 U
Fluoranthene	100	500	0.33 U	**1.3**	0.31 U	0.34 U	**2.2**	**220**	**53**	**8.2**	**0.33**
Fluorene	30	500	0.33 U	0.31 U	0.31 U	0.34 U	**0.24 J**	**260**	**60**	**0.64 J**	**0.049 J**
Indeno[1,2,3-cd]pyrene	0.5	5.6	0.33 U	**0.57**	0.31 U	0.34 U	**0.79**	**42 J**	**9.8 J**	**5.2**	**0.36**
2-Methylnaphthalene	NE	NE	0.33 U	0.31 U	0.31 U	0.34 U	**0.16 J**	**1100**	**230**	**0.38 J**	**0.016 J**
Naphthalene	12	500	0.33 U	0.31 U	0.31 U	0.34 U	**0.3**	**3000**	**590**	**0.46 J**	0.3 U
Phenanthrene	100	500	0.33 U	**0.55**	0.31 U	0.34 U	**1.2**	**780**	**190**	**4.8**	**0.41**
Pyrene	100	500	0.33 U	**1.2**	0.31 U	0.34 U	**1.6**	**360**	**89**	**6.5**	**0.35**
Total PAHs	NE	NE	ND	**9.061**	ND	ND	**13.79**	**7099**	**1503.7**	**65.43**	**2.608**

Table 12
Detected Subsurface Soil Analytical Results Summary
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Fulton Municipal Works Former MGP Site
Brooklyn, New York

Location	6 NYCRR 375 SCO UNRESTRICTED USE	6 NYCRR 375 SCO RESTRICTED USE COMM	Parcel III-Sackett Street ROW	Parcel III-Sackett Street ROW	Parcel III-Sackett Street ROW	Parcel III-Sackett Street ROW	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV
Sample ID			FW-SB-09	FW-MW-04	FW-MW-04	FW-MW-04	FW-SB-14	FW-SB-14	FW-SB-14	FW-SB-15	FW-SB-15
Sample Depth (ft. bgs)			(62.75-65)	(0-2)	(40-45)	(45-50)	(0-3)	(13.14-15.0)	(16.9-18.5)	(0-3)	(8.6-10)
Sample Date			6/12/2009	6/8/2009	6/11/2009	6/11/2009	6/2/2009	6/2/2009	6/2/2009	5/29/2009	6/2/2009
Other SVOCs (mg/kg)											
Benzyl alcohol	NE	NE	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	1.3 U	0.3 U
Bis(2-ethylhexyl)phthalate	NE	NE	0.33 U	**0.05 J**	0.31 U	0.34 U	**0.079 J**	160 U	30 U	**0.45 J**	**0.051 J**
Butyl benzyl phthalate	NE	NE	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	1.3 U	0.3 U
Carbazole	NE	NE	0.33 U	0.31 U	0.31 U	0.34 U	**0.088 J**	160 U	**1.8 J**	**0.52 J**	**0.039 J**
Dibenzofuran	7	350	0.33 U	0.31 U	0.31 U	0.34 U	**0.082 J**	**29 J**	**5.4 J**	**0.29 J**	**0.022 J**
1,2-Dichlorobenzene	1.1	500	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	1.3 U	0.3 U
2,4-Dimethylphenol	NE	NE	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	1.3 U	0.3 U
Di-n-butyl phthalate	NE	NE	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	**0.21 J**	0.3 U
2,6-Dinitrotoluene	NE	NE	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	1.3 U	0.3 U
Di-n-octyl phthalate	NE	NE	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	1.3 U	0.3 U
2-Methylphenol	0.33	500	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	1.3 U	0.3 U
4-Methylphenol (p-Cresol)	0.33	500	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	**0.17 J**	0.3 U
4-Nitroaniline	NE	NE	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	**0.49 J**	0.3 U
4-Nitrophenol	NE	NE	2.1 U	1.9 U	1.9 U	2.1 U	1.8 U	1000 U	190 U	8.3 U	1.9 U
N-Nitrosodiphenylamine	NE	NE	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	1.3 U	0.3 U
Phenol	0.33	500	0.33 U	0.31 U	0.31 U	0.34 U	0.29 U	160 U	30 U	1.3 U	0.3 U
PCBs (mg/kg)											
Aroclor 1242	NE	NE	NA	0.019 U	NA	NA	0.018 U	NA	NA	0.021 U	NA
Aroclor 1248	NE	NE	NA	0.019 U	NA	NA	0.018 U	NA	NA	0.021 U	NA
Aroclor 1254	NE	NE	NA	0.019 U	NA	NA	0.018 U	NA	NA	**0.09 J**	NA
Aroclor 1260	NE	NE	NA	**0.012 J**	NA	NA	**0.016 J**	NA	NA	**0.17**	NA
Total PCBs	0.1	1	NA	**0.012**	NA	NA	**0.016**	NA	NA	**0.26**	NA
Pesticides (mg/kg)											
Aldrin	0.005	0.68	NA	0.0019 UJ	NA	NA	0.0018 U	NA	NA	0.0021 U	NA
alpha-BHC	0.02	3.4	NA	0.0019 UJ	NA	NA	0.0018 UJ	NA	NA	0.0021 UJ	NA
beta-BHC	0.036	3	NA	0.0019 UJ	NA	NA	0.0018 U	NA	NA	0.0021 UJ	NA
gamma-BHC	0.1	9.2	NA	0.0019 UJ	NA	NA	0.0018 U	NA	NA	0.0021 UJ	NA
delta-BHC	0.04	500	NA	0.0019 UJ	NA	NA	0.0018 UJ	NA	NA	0.0021 UJ	NA
alpha-chlordane	0.094	24	NA	0.0019 UJ	NA	NA	0.0018 U	NA	NA	0.0021 U	NA
gamma-Chlordane	NE	NE	NA	0.0019 UJ	NA	NA	0.0018 U	NA	NA	**0.0023 J**	NA
4,4-DDD	0.0033	92	NA	0.0038 UJ	NA	NA	0.0035 UJ	NA	NA	**0.0096 J**	NA
4,4'-DDE	0.0033	62	NA	0.0038 U	NA	NA	0.0035 U	NA	NA	0.004 U	NA
4,4'-DDT	0.0033	47	NA	0.0038 UJ	NA	NA	**0.0066 J**	NA	NA	**0.035 J**	NA
Dieldrin	0.005	1.4	NA	0.0038 UJ	NA	NA	0.0035 U	NA	NA	**0.0043 J**	NA
Endosulfan I	2.4	200	NA	0.0019 UJ	NA	NA	0.0018 U	NA	NA	0.0021 U	NA
Endosulfan II	2.4	200	NA	0.0038 UJ	NA	NA	0.0035 U	NA	NA	0.004 UJ	NA
Endosulfan sulfate	2.4	200	NA	0.0038 UJ	NA	NA	0.0035 U	NA	NA	0.004 U	NA
Endrin	0.014	89	NA	0.0038 UJ	NA	NA	0.0035 U	NA	NA	**0.0094 J**	NA
Endrin aldehyde	NE	NE	NA	**0.002 J**	NA	NA	0.0035 UJ	NA	NA	**0.017**	NA
Endrin ketone	NE	NE	NA	0.0038 UJ	NA	NA	0.0035 U	NA	NA	0.004 UJ	NA
Heptachlor	0.042	15	NA	0.0019 UJ	NA	NA	0.0018 UJ	NA	NA	0.0021 UJ	NA
Heptachlor epoxide	NE	NE	NA	0.0019 UJ	NA	NA	0.0018 U	NA	NA	0.0021 U	NA
Methoxychlor	NE	NE	NA	0.019 UJ	NA	NA	0.018 UJ	NA	NA	0.021 UJ	NA

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Location	6 NYCRR 375 SCO UNRESTRICTED USE	6 NYCRR 375 SCO RESTRICTED USE COMM	Parcel III-Sackett Street ROW	Parcel III-Sackett Street ROW	Parcel III-Sackett Street ROW	Parcel III-Sackett Street ROW	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV
Sample ID			FW-SB-09	FW-MW-04	FW-MW-04	FW-MW-04	FW-SB-14	FW-SB-14	FW-SB-14	FW-SB-15	FW-SB-15
Sample Depth (ft. bgs)			(62.75-65)	(0-2)	(40-45)	(45-50)	(0-3)	(13.14-15.0)	(16.9-18.5)	(0-3)	(8.6-10)
Sample Date			6/12/2009	6/8/2009	6/11/2009	6/11/2009	6/2/2009	6/2/2009	6/2/2009	5/29/2009	6/2/2009
Herbicides (mg/kg)											
Silvex	3.8	500	NA	0.024 U	NA	NA	0.021 U	NA	NA	NA	NA
2,4,5-Trichlorophenoxyacetic Acid	NE	NE	NA	0.024 U	NA	NA	0.021 U	NA	NA	NA	NA
Metals (mg/kg)											
Aluminum	NE	NE	**2960**	**5510**	**2840**	**2280**	**4520**	**4150**	**3920**	**3910**	**6430**
Antimony	NE	NE	5 UJ	4.5 UJ	4.7 UJ	5.2 UJ	4.4 UJ	5 UJ	4.5 UJ	5.1 UJ	4.4 UJ
Arsenic	13	16	6.4 UJ	**5.3 J**	**2 J**	6.6 UJ	**2.6 J**	**5.9 J**	5.7 UJ	**5.2 J**	5.6 UJ
Barium	350	400	**21.5**	**143**	**34**	**16.4**	**54.5**	**66.9**	**41**	**133**	**53.2**
Beryllium	7.2	590	**0.33 J**	**0.42 J**	**0.3 J**	**0.24 J**	**0.37 J**	**0.33 J**	**0.31 J**	**0.33 J**	**0.46 J**
Cadmium	2.5	9.3	1.5 U	1.4 U	1.4 U	1.6 U	1.3 U	1.5 U	1.4 U	**1.2 J**	1.3 U
Calcium	NE	NE	**7790 J**	**8230 J**	**987 J**	**672 J**	**10400 J**	**59700 J**	**12200 J**	**42400 J**	**2890 J**
Chromium	NE	NE	**6.8 J**	**11.4 J**	**7.2 J**	**4.8 J**	**9.9 J**	**8.9 J**	**10.7 J**	**13.4 J**	**26.6 J**
Cobalt	NE	NE	**3.9**	**5.4**	**3.8**	**2.7**	**5.1**	**4.7**	**5.3**	**5.2**	**15.5**
Copper	50	270	**11.3**	**83.7**	**10.8**	**9.1**	**65.3**	**24.2**	**17.1**	**80.6**	**22.2**
Iron	NE	NE	**6420**	**10100**	**6880**	**7440**	**7290**	**9140**	**7370**	**12400**	**10900**
Lead	63	1000	**4.4**	**290**	**3.3**	**2.7 J**	**154**	**322**	**45.3**	**264**	**14.2**
Magnesium	NE	NE	**5300**	**2340**	**2580**	**2000**	**3860**	**4040**	**3750**	**23400**	**5630**
Manganese	1600	10000	**385**	**150**	**192**	**122**	**268**	**355**	**323**	**278**	**326**
Mercury	0.18	2.8	0.058 U	**0.39**	0.055 U	0.065 U	**0.28**	**0.41**	**0.29**	**0.91**	**0.47**
Nickel	30	310	**28**	**19.5**	**24**	**12.2**	**39.1**	**33.4**	**46.8**	**39.6**	**219**
Potassium	NE	NE	**706 J**	**738 J**	**645 J**	**458 J**	**988 J**	**744 J**	**774 J**	**810 J**	**1180 J**
Selenium	3.9	1500	11.4 U	10.2 U	10.6 U	11.7 U	10 U	11.4 U	10.2 U	11.6 U	10 U
Silver	2	1500	1.5 U	**0.16 J**	1.4 U	1.6 U	**0.11 J**	1.5 U	**0.23 J**	**0.19 J**	1.3 U
Sodium	NE	NE	**57.2 J**	**153**	70.6 U	78.1 U	**130**	**117**	**84.6**	**141**	**133**
Thallium	NE	NE	**1.6 J**	**1.4 J**	4.2 U	4.7 U	**0.96 J**	**2 J**	**1.2 J**	**1.7 J**	4 U
Vanadium	NE	NE	**7.9**	**14.8**	**8.2**	**6.8**	**10.9**	**13**	**10.1**	**16.2**	**13**
Zinc	109	10000	**19.7**	**185**	**13.1**	**12**	**120**	**77.5**	**53.5**	**333**	**30.4**
Cyanides (mg/kg)											
Free Cyanide	NE	NE	0.245 U	0.228 U	0.23 U	0.257 U	0.215 U	NA	NA	NA	0.224 UJ
Total Cyanide	27	27	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Location	6 NYCRR 375 SCO	6 NYCRR 375 SCO	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel V	Parcel V	Parcel V
Sample ID	UNRESTRICTED	RESTRICTED USE	FW-SB-15	FW-TP-02B	FW-TP-03	FW-MW-05	FW-MW-05	FW-MW-05	FW-MW-05	FW-SB-33	FW-SB-33	FW-SB-33
Sample Depth (ft. bgs)	USE	COMM	(18.69-19)	(8.0-8.5)	(9-9.5)	(0-0.5)	(0-3)	(15-17.5)	(49.5-50)	(0.5-5)	(7.5-9)	(12-13)
Sample Date			6/2/2009	6/4/2009	6/3/2009	6/1/2009	5/29/2009	6/1/2009	6/1/2009	4/1/2010	4/1/2010	4/1/2010
BTEX (mg/kg)												
Benzene	0.06	44	**270**	**0.0012 J**	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	**0.0015 J**
Toluene	0.7	500	**410**	0.0062 U	0.0058 U	0.0054 U	**0.00024 J**	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
Ethylbenzene	1	390	**940**	0.0062 U	0.0058 U	0.0054 U	0.0056 U	**15**	0.0057 U	0.0054 U	0.0053 U	**0.0043 J**
Total Xylene	0.26	500	**770**	0.0062 U	0.0058 U	0.0054 U	0.0056 U	**23**	0.0057 U	**0.0017 J**	**0.0007 J**	**0.0072**
Total BTEX	NE	NE	**2390**	**0.0012**	ND	ND	**0.00024**	**38**	ND	**0.0017**	**0.0007**	**0.013**
Other VOCs (mg/kg)												
Acetone	0.05	500	79 U	**0.013 J**	**0.009 J**	**0.013 J**	0.023 UJ	6.4 U	**0.022 J**	**0.053**	**0.053**	**0.079**
2-Butanone	0.12	500	32 U	0.012 U	0.012 U	0.011 U	0.011 U	2.6 U	0.011 U	0.011 U	0.011 U	0.011 U
Carbon disulfide	NE	NE	32 U	0.0062 U	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
Chloroform	0.37	350	32 U	0.0062 U	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
cis-1,2-Dichloroethene	0.25	500	32 U	0.0062 U	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
trans-1,2-Dichloroethene	0.19	500	32 U	0.0062 U	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
1,1-Dichloroethene	0.33	500	32 U	0.0062 U	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
Methylene chloride	0.05	500	32 U	0.025 U	0.023 U	0.022 U	0.023 U	2.6 U	0.023 U	0.022 U	0.021 U	0.022 U
Styrene	NE	NE	32 U	0.0062 U	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
1,1,2,2-Tetrachloroethane	NE	NE	32 UJ	0.0062 U	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
Tetrachloroethene	1.3	150	32 U	0.0062 U	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
Trichloroethene	0.47	200	32 U	0.0062 U	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
Vinyl chloride	0.02	13	32 U	0.0062 U	0.0058 U	0.0054 U	0.0056 U	2.6 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U
PAHs (mg/kg)												
Acenaphthene	20	500	**2.3**	**0.061 J**	**0.038 J**	**0.17 J**	**0.16 J**	**35**	**0.022 J**	**0.054 J**	**0.083 J**	1.5 U
Acenaphthylene	100	500	**0.54 J**	**0.043 J**	**0.044 J**	**0.57 J**	**0.3 J**	**20**	**0.059 J**	**0.034 J**	0.28 U	1.5 U
Anthracene	100	500	**1.2**	**0.15 J**	**0.099 J**	**0.47 J**	**0.46**	**22**	**0.039 J**	**0.16 J**	**0.098 J**	1.5 U
Benz[a]anthracene	1	5.6	**0.91**	**0.46**	**0.29 J**	**4.1**	**2.2**	**16**	0.3 U	**0.67**	**0.2 J**	1.5 U
Benzo[a]pyrene	1	1	**0.97**	**0.5**	**0.44**	**2.4 J**	**1.6 J**	**19**	0.3 U	**0.69**	**0.17 J**	1.5 U
Benzo[b]fluoranthene	1	5.6	**0.67 J**	**0.5**	**0.37**	**3.7 J**	**2.5 J**	**12**	0.3 U	**0.74**	**0.17 J**	1.5 U
Benzo[g,h,i]perylene	100	500	**0.43 J**	**0.4**	**0.29 J**	**1.3 J**	**0.78 J**	**15**	0.3 U	**0.49**	**0.12 J**	1.5 U
Benzo[k]fluoranthene	0.8	56	**0.28 J**	**0.19 J**	**0.12 J**	**1.5 J**	**0.6 J**	**4.8 J**	0.3 U	**0.28 J**	**0.083 J**	1.5 U
Chrysene	1	56	**0.86**	**0.51**	**0.33**	**4.8**	**2.6**	**15**	0.3 U	**0.84**	**0.23 J**	1.5 U
Dibenz[a,h]anthracene	0.33	0.56	**0.17 J**	0.34 U	**0.11 J**	**0.49 J**	**0.24 J**	**2 J**	0.3 U	**0.14 J**	**0.029 J**	1.5 U
Fluoranthene	100	500	**1.9**	**0.91**	**0.58**	**5**	**3.2**	**29**	**0.035 J**	**1.2**	**0.53**	**0.78 J**
Fluorene	30	500	**1.5**	**0.059 J**	**0.043 J**	**0.22 J**	**0.21 J**	**26**	**0.06 J**	**0.059 J**	**0.075 J**	1.5 U
Indeno[1,2,3-cd]pyrene	0.5	5.6	**0.37 J**	**0.5**	**0.33**	**1.5 J**	**0.9 J**	**11**	0.3 U	**0.54 J**	**0.12 J**	1.5 U
2-Methylnaphthalene	NE	NE	**2.4**	**0.029 J**	**0.023 J**	**4.1**	**1.7**	**26**	**0.12 J**	**0.048 J**	**0.055 J**	1.5 U
Naphthalene	12	500	**8.5**	**0.087 J**	0.31 U	**3.3**	**1.4**	**110**	**0.48**	**0.14 J**	**0.12 J**	**1 J**
Phenanthrene	100	500	**5.8**	**0.72**	**0.45**	**2.3**	**1.7**	**78**	**0.13 J**	**0.83**	**0.4**	**0.81 J**
Pyrene	100	500	**2.9**	**0.91**	**0.54**	**4.3**	**2.6**	**49**	**0.032 J**	**1.7**	**0.69**	**0.99 J**
Total PAHs	NE	NE	**31.7**	**6.029**	**4.097**	**40.22**	**23.15**	**489.8**	**0.977**	**8.615**	**3.173**	**3.58**

Table 12
Detected Subsurface Soil Analytical Results Summary
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Fulton Municipal Works Former MGP Site
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Location			Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel V	Parcel V	Parcel V
Sample ID	6 NYCRR 375 SCO	6 NYCRR 375 SCO	FW-SB-15	FW-TP-02B	FW-TP-03	FW-MW-05	FW-MW-05	FW-MW-05	FW-MW-05	FW-SB-33	FW-SB-33	FW-SB-33
Sample Depth (ft. bgs)	UNRESTRICTED	RESTRICTED USE	(18.69-19)	(8.0-8.5)	(9-9.5)	(0-0.5)	(0-3)	(15-17.5)	(49.5-50)	(0.5-5)	(7.5-9)	(12-13)
Sample Date	USE	COMM	6/2/2009	6/4/2009	6/3/2009	6/1/2009	5/29/2009	6/1/2009	6/1/2009	4/1/2010	4/1/2010	4/1/2010
Other SVOCs (mg/kg)												
Benzyl alcohol	NE	NE	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
Bis(2-ethylhexyl)phthalate	NE	NE	0.68 U	0.34 U	0.31 U	**0.33 J**	**1**	6.7 U	0.3 U	**0.051 J**	**0.035 J**	1.5 U
Butyl benzyl phthalate	NE	NE	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
Carbazole	NE	NE	**0.13 J**	**0.065 J**	**0.049 J**	**0.15 J**	**0.15 J**	**0.72 J**	0.3 U	**0.053 J**	0.28 U	1.5 U
Dibenzofuran	7	350	**0.3 J**	**0.033 J**	0.31 U	**0.11 J**	**0.12 J**	**2.8 J**	**0.071 J**	**0.039 J**	**0.046 J**	1.5 U
1,2-Dichlorobenzene	1.1	500	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	**0.018 J**	0.28 U	1.5 U
2,4-Dimethylphenol	NE	NE	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
Di-n-butyl phthalate	NE	NE	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
2,6-Dinitrotoluene	NE	NE	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
Di-n-octyl phthalate	NE	NE	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
2-Methylphenol	0.33	500	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
4-Methylphenol (p-Cresol)	0.33	500	0.68 U	0.34 U	0.31 U	0.58 U	**0.085 J**	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
4-Nitroaniline	NE	NE	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
4-Nitrophenol	NE	NE	4.3 U	2.1 U	2 U	3.6 U	1.9 U	42 U	1.9 U	1.8 U	1.8 U	9.2 U
N-Nitrosodiphenylamine	NE	NE	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
Phenol	0.33	500	0.68 U	0.34 U	0.31 U	0.58 U	0.3 U	6.7 U	0.3 U	0.29 U	0.28 U	1.5 U
PCBs (mg/kg)												
Aroclor 1242	NE	NE	NA	NA	NA	0.018 UJ	0.19 U	NA	NA	0.018 U	NA	NA
Aroclor 1248	NE	NE	NA	NA	NA	0.018 UJ	0.19 U	NA	NA	0.018 U	NA	NA
Aroclor 1254	NE	NE	NA	NA	NA	0.018 UJ	0.19 U	NA	NA	0.018 U	NA	NA
Aroclor 1260	NE	NE	NA	NA	NA	**0.24 J**	0.19 U	NA	NA	0.018 U	NA	NA
Total PCBs	0.1	1	NA	NA	NA	**0.24**	ND	NA	NA	ND	NA	NA
Pesticides (mg/kg)												
Aldrin	0.005	0.68	NA	NA	NA	0.18 UJ	0.038 U	NA	NA	0.0018 UJ	NA	NA
alpha-BHC	0.02	3.4	NA	NA	NA	0.18 UJ	**0.05 JN**	NA	NA	0.0018 UJ	NA	NA
beta-BHC	0.036	3	NA	NA	NA	0.18 UJ	**0.13 J**	NA	NA	0.0018 UJ	NA	NA
gamma-BHC	0.1	9.2	NA	NA	NA	**0.18 J**	**0.047 J**	NA	NA	0.0018 U	NA	NA
delta-BHC	0.04	500	NA	NA	NA	0.18 UJ	0.038 U	NA	NA	0.0018 U	NA	NA
alpha-chlordane	0.094	24	NA	NA	NA	0.18 UJ	0.038 U	NA	NA	0.0018 U	NA	NA
gamma-Chlordane	NE	NE	NA	NA	NA	0.18 UJ	0.038 U	NA	NA	0.0018 U	NA	NA
4,4-DDD	0.0033	92	NA	NA	NA	0.36 UJ	**0.082 J**	NA	NA	0.0036 U	NA	NA
4,4'-DDE	0.0033	62	NA	NA	NA	0.36 UJ	0.074 U	NA	NA	0.0036 UJ	NA	NA
4,4'-DDT	0.0033	47	NA	NA	NA	**0.53 J**	**0.081 J**	NA	NA	0.0036 U	NA	NA
Dieldrin	0.005	1.4	NA	NA	NA	**0.52 JN**	0.074 U	NA	NA	0.0036 U	NA	NA
Endosulfan I	2.4	200	NA	NA	NA	**1.9 J**	0.038 U	NA	NA	0.0018 U	NA	NA
Endosulfan II	2.4	200	NA	NA	NA	0.36 UJ	0.074 U	NA	NA	0.0036 U	NA	NA
Endosulfan sulfate	2.4	200	NA	NA	NA	**1.3 J**	0.074 U	NA	NA	0.0036 U	NA	NA
Endrin	0.014	89	NA	NA	NA	0.36 UJ	0.074 U	NA	NA	0.0036 U	NA	NA
Endrin aldehyde	NE	NE	NA	NA	NA	**5.8**	**1.4 J**	NA	NA	**0.0026 J**	NA	NA
Endrin ketone	NE	NE	NA	NA	NA	0.36 UJ	**0.15**	NA	NA	0.0036 U	NA	NA
Heptachlor	0.042	15	NA	NA	NA	**0.078 J**	**0.058 J**	NA	NA	0.0018 U	NA	NA
Heptachlor epoxide	NE	NE	NA	NA	NA	0.18 UJ	**0.067 JN**	NA	NA	0.0018 UJ	NA	NA
Methoxychlor	NE	NE	NA	NA	NA	1.8 UJ	0.38 UJ	NA	NA	0.018 U	NA	NA

Table 12
Detected Subsurface Soil Analytical Results Summary
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Location	6 NYCRR 375 SCO UNRESTRICTED USE	6 NYCRR 375 SCO RESTRICTED USE COMM	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel IV	Parcel V	Parcel V	Parcel V
Sample ID			FW-SB-15	FW-TP-02B	FW-TP-03	FW-MW-05	FW-MW-05	FW-MW-05	FW-MW-05	FW-SB-33	FW-SB-33	FW-SB-33
Sample Depth (ft. bgs)			(18.69-19)	(8.0-8.5)	(9-9.5)	(0-0.5)	(0-3)	(15-17.5)	(49.5-50)	(0.5-5)	(7.5-9)	(12-13)
Sample Date			6/2/2009	6/4/2009	6/3/2009	6/1/2009	5/29/2009	6/1/2009	6/1/2009	4/1/2010	4/1/2010	4/1/2010
Herbicides (mg/kg)												
Silvex	3.8	500	NA	NA	NA	**0.048 J**	NA	NA	NA	0.018 U	NA	NA
2,4,5-Trichlorophenoxyacetic Acid	NE	NE	NA	NA	NA	0.23 U	NA	NA	NA	0.018 U	NA	NA
Metals (mg/kg)												
Aluminum	NE	NE	**5470**	**4970**	**5910**	**3550**	**6150**	**7100**	**2400**	**5560**	**5900**	**6870**
Antimony	NE	NE	5 UJ	5.1 UJ	4.7 UJ	4.4 UJ	**2.4 J**	5.1 UJ	4.5 UJ	4.4 UJ	4.2 UJ	4.4 UJ
Arsenic	13	16	**2.6 J**	**8 J**	6 UJ	**6.5 J**	**6.6 J**	**5.1 J**	5.7 UJ	**2.5 J**	**1.8 J**	**1.9 J**
Barium	350	400	**53.3**	**174**	**48.6**	**100**	**129**	**59.3**	**23.5**	**109**	**88.2**	**101**
Beryllium	7.2	590	**0.44 J**	**0.37 J**	**0.4 J**	**0.25 J**	**0.42 J**	**0.49 J**	**0.22 J**	**0.38 J**	**0.4 J**	**0.4 J**
Cadmium	2.5	9.3	1.5 U	1.6 U	1.4 U	**0.66 J**	**2.1**	1.6 U	1.4 U	**0.26 J**	1.3 U	1.3 U
Calcium	NE	NE	**21100 J**	**18500 J**	**6280 J**	**5800 J**	**10400 J**	**22900 J**	**711 J**	**30900**	**10900**	**21400**
Chromium	NE	NE	**9.9 J**	**10.4 J**	**11.6 J**	**22.6 J**	**18.8 J**	**13 J**	**5.5 J**	**12.8**	**12.9**	**17.6**
Cobalt	NE	NE	**3.9**	**5.2**	**7.1**	**3.1**	**5.2**	**13.6**	**2.9**	**5.9**	**5.4**	**5.6**
Copper	50	270	**17.7**	**30.9**	**17.6**	**63.2**	**96.2**	**29**	**7.1**	**22.3 J**	**12.5 J**	**26.2 J**
Iron	NE	NE	**7620**	**12300**	**8950**	**19600**	**20400**	**12600**	**6930**	**12400**	**10800**	**12400**
Lead	63	1000	**81.8**	**281**	**71.9**	**396**	**424**	**166**	**2.5**	**69.9 J**	**30.7 J**	**71.2 J**
Magnesium	NE	NE	**5470**	**2830**	**2710**	**1700**	**3040**	**2080**	**1850**	**4370**	**4740**	**4570**
Manganese	1600	10000	**390**	**290**	**306**	**116**	**231**	**154**	**110**	**312**	**312**	**326**
Mercury	0.18	2.8	**0.26**	**0.66**	**0.36**	**0.74**	**0.43**	**0.43**	0.055 U	**0.23 J**	**0.05 J**	**0.46 J**
Nickel	30	310	**19.2**	**30.6**	**57.9**	**29.5**	**29.4**	**29.8**	**12.2**	**22.1**	**21.8**	**22.4**
Potassium	NE	NE	**1110 J**	**845 J**	**819 J**	**642 J**	**919 J**	**767 J**	**418 J**	**1850 J**	**2160 J**	**1720 J**
Selenium	3.9	1500	11.3 U	11.7 U	10.7 U	10 U	10.5 U	11.6 U	10.2 U	9.9 UJ	9.6 UJ	10.1 UJ
Silver	2	1500	**0.15 J**	**0.18 J**	1.4 U	**0.14 J**	**0.21 J**	1.6 U	1.4 U	1.3 U	1.3 U	**0.36 J**
Sodium	NE	NE	**112**	**124**	**88.9**	**181**	**264**	**165**	**59.1 J**	**955**	**856**	**646**
Thallium	NE	NE	**1.8 J**	**1.3 J**	**1.8 J**	4 U	**1 J**	**1.9 J**	**1 J**	4 U	3.8 U	4 U
Vanadium	NE	NE	**13.4**	**11.5**	**11.8**	**12.6**	**17.9**	**16.5**	**7.4**	**14.6**	**14.1**	**19.2**
Zinc	109	10000	**82.8**	**170**	**382**	**195**	**323**	**167**	**16.1**	**116 J**	**50.4 J**	**70.2 J**
Cyanides (mg/kg)												
Free Cyanide	NE	NE	0.252 UJ	0.248 U	0.232 U	**0.0428 J**	NA	NA	NA	**0.064 J**	0.21 U	0.22 U
Total Cyanide	27	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 12
Detected Subsurface Soil Analytical Results Summary
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Notes:

mg/kg - milligrams/kilogram or parts per million (ppm)
BTEX - benzene, toluene, ethylbenzene, and xylenes
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
SVOCs - semivolatile organic compounds
PCBs - polychlorinated biphenyls
Total BTEX, Total PAHs, and Total PCBs are calculated using detects only.

6 NYCRR - New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
6 NYCRR 375 SCO UNRESTRICTED USE - regulatory comparison against NYCRR, Chapter IV, Part 375-6 Unrestricted Use Soil Cleanup Objectives
6 NYCRR 375 SCO RESTRICTED USE COMM - regulatory comparison against NYCRR, Chapter IV, Part 375-6 Restricted Use Commercial Soil Cleanup Objectives

NE - not established
NA - not analyzed
ND - not detected; total concentration is listed as ND because no compounds were detected in the group

Bolding indicates a detected concentration
Yellow shading and bolding indicates that the detected result value exceeds established 6 NYCRR UNRESTRICTED USE and 6 NYCRR RESTRICTED USE COMMERCIAL SCOs
Gray shading and bolding indicates that the detected result value exceeds established 6 NYCRR UNRESTRICTED USE SCO

J - estimated value
JN - analyte is presumptively present at an approximated quantity
R - rejected
U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated
* - Duplicate analysis not within control limits

Table 13
Detected Groundwater Analytical Results Summary
Remedial Investigation Report
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Location:	NYS AWQS	Parcel II Playground Area	Parcel II-Douglass Street ROW	Parcel II-Douglass Street ROW	Parcel II-Douglass Street ROW	Degraw Street ROW	Degraw Street ROW	Parcel III	Parcel III	Parcel III	Degraw Street ROW	Sackett Street ROW	Sackett Street ROW	Parcel IV	Parcel IV	Parcel V
Sample ID:		FW-MW-16	FW-MW-08	Duplicate of FW-MW-08	FW-MW-08	FW-MW-05R	FW-MW-5R	FW-GW-11	FW-GW-16	Duplicate of FW-GW-16	KSF-MW-7	FW-MW-04	FW-MW-04R	FW-MW-05	FW-GW-15	FW-GW-34
Sample Date:		9/15/2009	6/13/2008	6/13/2008	9/17/2009	6/13/2008	9/15/2009	4/11/2010	2/1/2010	2/1/2010	9/15/2009	9/16/2009	9/16/2009	9/17/2009	6/3/2009	4/28/2010
BTEX (ug/L)																
Benzene	1	5 U	5 U	5 U	5 U	**0.31 J**	5 U	**2500**	**200**	**250**	**1700**	**13**	5 U	**16**	**10**	**9.8**
Toluene	5	5 U	5 U	5 U	5 U	5 U	5 U	**2200**	20 U	20 U	50 U	5 U	5 U	**4.1 J**	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	**290**	20 U	20 U	**220**	5 U	5 U	**66**	**2.1 J**	5 U
Total Xylene	5	5 U	5 U	5 U	5 U	5 U	5 U	**1200**	20 U	20 U	50 U	5 U	5 U	**29**	5 U	5 U
Total BTEX	NE	ND	ND	ND	ND	**0.31**	ND	**6190**	**200**	**250**	**1920**	**13**	ND	**115.1**	**12.1**	**9.8**
Other VOCs (ug/L)																
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	200 U	**21 J**	**7.7 J**	100 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	50*	5 U	5 U	5 U	5 U	5 U	5 U	100 U	20 U	20 U	50 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	60*	5 U	5 U	5 U	5 U	5 U	5 U	100 U	20 U	20 U	50 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	100 U	20 U	20 U	50 U	5 U	**32**	5 U	5 U	5 UJ
Chloroform	7	5 U	5 U	5 U	5 U	5 U	5 U	100 U	20 U	20 U	50 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	100 U	20 U	20 U	50 U	**14 J**	**2.8 J**	5 U	5 U	5 U
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	100 U	20 U	20 U	50 U	**1.1 J**	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10*	5 U	NA	NA	5 U	NA	5 U	100 U	NA	NA	50 U	**10**	5 U	**40**	NA	**4.9 J**
4-Methyl-2-pentanone	NE	10 U	10 U	10 U	10 U	10 U	10 U	200 U	40 UJ	40 UJ	100 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	100 U	**9.5 J**	**9.9 J**	50 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	**880**	20 U	20 U	50 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	100 U	20 U	20 U	50 U	5 U	**19**	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	100 U	**3.5 J**	20 U	50 U	5 U	**4.9 J**	5 U	5 U	5 U
Vinyl chloride	2	5 U	5 U	5 U	5 U	5 U	5 U	100 U	20 U	**6.6 J**	50 U	**71**	5 U	5 U	5 U	5 U
PAHs (ug/L)																
Acenaphthene	20*	**0.52 J**	**1.6 J**	**1.3 J**	**0.97 J**	10 U	4.2 U	**83 J**	**2.4 J**	**2 J**	**77 J**	**0.44 J**	4.6 U	**34**	**1 J**	**1.9 J**
Acenaphthylene	NE	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	**120 J**	4.2 U	4.3 U	89 U	4.4 U	4.6 U	**4.2 J**	**0.61 J**	4.2 U
Anthracene	50*	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	**0.33 J**	4.3 U	89 U	4.4 U	4.6 U	4.4 U	**0.32 J**	**0.36 J**
Benz[a]anthracene	0.002*	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	**0.55 J**	4.3 U	89 U	4.4 UJ	4.6 U	4.4 U	4 U	4.2 U
Benzo[a]pyrene	ND	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	**0.47 J**	4.3 U	89 U	4.4 UJ	4.6 U	4.4 U	4 U	4.2 U
Benzo[b]fluoranthene	0.002*	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	**0.53 J**	4.3 U	89 U	4.4 UJ	4.6 U	4.4 U	4 U	4.2 U
Benzo[g,h,i]perylene	NE	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	**1.4 J**	4.3 U	89 U	4.4 UJ	4.6 U	4.4 U	4 U	4.2 U
Chrysene	0.002*	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	**0.61 J**	4.3 U	89 U	4.4 UJ	4.6 U	4.4 U	4 U	4.2 U
Indeno[1,2,3-cd]pyrene	0.002*	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	**1.1 J**	4.3 U	89 U	4.4 UJ	4.6 U	4.4 U	4 U	4.2 U
Fluoranthene	50*	**0.62 J**	10 U	11 U	4.2 U	10 U	4.2 U	210 U	**1.2 J**	**0.45 J**	89 U	4.4 U	4.6 U	**1.2 J**	**0.36 J**	4.2 U
Fluorene	50*	**0.49 J**	**1.2 J**	**0.79 J**	**0.6 J**	10 U	4.2 U	**57 J**	**0.32 J**	4.3 U	**13 J**	4.4 U	4.6 U	**3.1 J**	**0.57 J**	**0.81 J**
2-Methylnaphthalene	NE	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	**410**	**0.29 J**	4.3 U	**41 J**	4.4 U	4.6 U	4.4 U	4 U	**1.5 J**
Naphthalene	10*	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	**2700**	**1.5 J**	**1.1 J**	**920**	4.4 U	4.6 U	**5.8**	**1.1 J**	**3.3 J**
Phenanthrene	50*	**0.51 J**	**1.3 J**	**0.82 J**	**0.58 J**	10 U	4.2 U	**69 J**	**1.1 J**	**0.53 J**	**21 J**	4.4 U	4.6 U	**0.54 J**	**0.35 J**	**1 J**
Pyrene	50*	**0.55 J**	10 U	11 U	4.2 U	10 U	4.2 U	210 U	**1.2 J**	**0.51 J**	89 U	4.4 UJ	4.6 U	**2.3 J**	**0.44 J**	4.2 UJ
Total PAHs	NE	**2.69**	**4.1**	**2.91**	**2.15**	ND	ND	**3439**	**13**	**4.59**	**1072**	**0.44**	ND	**51.14**	**4.75**	**8.87**
Other SVOCs (ug/L)																
Bis(2-ethylhexyl)phthalate	5	4.3 U	10 U	11 U	4.2 UJ	10 U	4.2 U	210 U	4.2 U	4.3 U	89 U	4.4 UJ	4.6 U	4.4 UJ	4 U	4.2 UJ
Butyl benzyl phthalate	50*	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	4.2 U	4.3 U	89 U	4.4 UJ	4.6 U	4.4 U	4 U	**0.97 J**
Carbazole	NE	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	4.2 U	4.3 U	89 U	4.4 U	4.6 U	4.4 U	4 U	**0.47 J**
Dibenzofuran	NE	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	4.2 U	4.3 U	89 U	4.4 U	4.6 U	4.4 U	4 U	4.2 U
Diethyl phthalate	50*	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	4.2 U	4.3 U	89 U	4.4 U	4.6 U	4.4 U	4 U	**1.5 J**
2,4-Dimethylphenol	50*	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	**20 J**	4.2 U	4.3 U	89 U	4.4 U	4.6 U	4.4 U	4 U	4.2 U
Di-n-butyl phthalate	50	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	4.2 U	4.3 U	89 U	4.4 U	4.6 U	4.4 U	4 U	**0.57 J**
2-Methylphenol (o-Cresol)	1	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	**17 J**	4.2 U	4.3 U	89 U	4.4 U	4.6 U	4.4 U	4 U	4.2 U
4-Methylphenol (p-Cresol)	1	4.3 U	**0.93 J**	**0.95 J**	4.2 U	10 U	4.2 U	**30 J**	4.2 U	4.3 U	89 U	4.4 U	4.6 U	4.4 U	4 U	**0.41 J**
N-Nitrosodiphenylamine	50*	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	210 U	4.2 U	4.3 U	89 U	4.4 U	4.6 U	4.4 U	4 U	4.2 U
Phenol	1	4.3 U	10 U	11 U	4.2 U	10 U	4.2 U	**21 J**	**0.57 J**	4.3 U	**7.1 J**	4.4 U	4.6 U	4.4 U	**0.24 J**	**0.45 J**
PCBs (ug/L)																
Total PCBs	NE	NA	ND	ND	NA	ND	NA	NA	ND	ND	NA	NA	NA	NA	NA	ND

Table 13
Detected Groundwater Analytical Results Summary
Remedial Investigation Report
Fulton Municipal Works Former MGP Site
Brooklyn, New York

Notes:

ug/L - micrograms per liter or parts per billion (ppb)
BTEX - benzene, toluene, ethylbenzene, and xylenes
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
SVOCs - semivolatile organic compounds
PCBs - polychlorinated biphenyls
Total BTEX, Total PAHs, and Total PCBs are calculated using detects only.

NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

NE - not established
NA - not analyzed
ND - not detected; total concentration is listed as ND because no compounds were detected in the group

Bolding indicates a detected concentration
Gray shading indicates that the detected result value exceeds NYS AWQS

Validation Qualifiers:

J - estimated value
JN - analyte is presumptively present at an approximated quantity
U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated
R - rejected
* - Duplicate analysis not within control limits

Table 14
Detected Soil Vapor, Indoor and Outdoor Ambient Air Analytical Results Summary
Fulton Municipal Works Former MGP Site
Remedial Investigation Report
Brooklyn, New York

Location:	Parcel III	Parcel IV			EPA BASE Outdoor Air Concentrations 90th Percentile[1]	Parcel IV	Parcel II				
Sample Name:	FW-OA-02	FW-SV-08	FW-SV-09	Duplicate of FW-SV-09		FW-OA-04	FW-SV-10	FW-SV-10-S (Split Sample for FW-SV-10)	FW-SV-11	Duplicate of FW-SV-11	FW-SV-12
Sample Date:	1/29/2010	6/29/2009	6/29/2009	6/29/2009		6/29/2009	5/30/2008	5/30/2008	3/26/2010	3/26/2010	3/26/2010
BTEX (ug/m3)											
Benzene	**0.79**	**3.1**	2.6 U	1.3 U	6.6	**0.88**	**1**	**0.38 J**	**3.3**	**2.8**	**6.3**
Toluene	**1.4**	**14**	**7.2**	**8.1**	33.7	**3.9**	**2.2**	**0.686 J**	**5.8**	**3.3**	**47**
Ethylbenzene	**0.23 J**	**8.3**	**7.7**	**8.5**	3.5	**1.2**	**0.56**	0.868 U	**3.6**	**4.2**	**2.8**
m,p-Xylene	**0.63**	**17**	**16**	**19**	NE	**3.4**	NA	**0.535 J**	**11**	**15**	**10**
o-Xylene	**0.24 J**	**6.6**	**7.7**	**8.7**	4.6	**1.3**	**0.49**	0.868 U	**13**	**9.9**	**5.2**
p-Xylene	NA	NA	NA	NA	12.8	NA	**1.5**	NA	NA	NA	NA
Other VOCs (ug/m3)											
Acetaldehyde	**24 J**	**40 JN**	**6.5 J**	**19 JN**	NE	**11 JN**	NA	**31.2 J**	72 UJ	72 UJ	36 UJ
Acetone	**15**	**260**	**23 J**	**65**	43.7	**35**	**20**	**4.09**	**35 J**	**26 J**	**48**
Acrolein (propenal)	**0.51 J**	**2.8 J**	7.3 U	**3.4 J**	NE	**2**	0.73 UJ	1.14 U	7.3 U	7.3 U	**1 J**
Bromodichloromethane	0.54 U	2.7 U	5.4 U	2.7 U	NE	0.54 U	0.54 U	1.34 U	5.4 U	5.4 U	**1.6 J**
Bromoform	0.83 UJ	4.1 U	8.3 U	4.1 U	NE	0.83 U	0.83 U	2.06 U	8.3 UJ	8.3 UJ	4.1 UJ
Bromomethane	0.31 U	1.6 U	3.1 U	1.6 U	1.6	0.31 U	0.31 U	0.776 U	3.1 U	3.1 U	1.6 U
1,3-Butadiene	**0.11 J**	1.8 U	3.5 U	1.8 U	3.4	0.35 U	0.35 U	0.442 U	3.5 U	3.5 U	1.8 U
Butane	**1.8**	**61**	3.8 U	**2.3**	NE	**1.4**	**4.7**	**1.26**	**38**	**35**	**1.7 J**
2-Butanone	**2.4**	**11**	**3.9 J**	**7.9**	11.3	**4.7**	**3.5**	**1.75**	**3.7 J**	12 U	**6.1**
t-Butyl alcohol (Tertiary Butyl Alcohol)	**0.095 J**	**9.9 J**	**3.6 J**	**5.5 J**	NE	**0.21 J**	**0.27 J**	0.606 U	**18 J**	**14 J**	**3.1 J**
Carbon disulfide	0.62 U	**1.2 J**	**5.5 J**	**4.1**	3.7	**0.059 J**	**5**	**1.44**	**2.2 J**	**1.9 J**	**3.9**
Carbon tetrachloride	**0.4 J**	2.5 U	5 U	2.5 U	0.7	**0.69**	**0.16 J**	1.26 U	5 U	5 U	2.5 U
Chlorobenzene	0.37 U	1.8 U	3.7 U	1.8 U	0.8	0.37 U	0.37 U	0.92 U	3.7 U	3.7 U	1.8 U
Chloroethane	0.21 U	1.1 U	2.1 U	1.1 U	1.2	0.21 U	0.21 U	0.527 U	2.1 U	2.1 U	1.1 U
Chloroform	0.39 U	2 U	**2.1 J**	**1.6 J**	0.6	**0.11 J**	**130**	**39**	3.9 U	3.9 U	**7.9**
Chloromethane	**1.2**	2.1 U	4.1 U	2.1 U	3.7	**1**	**0.69**	0.413 U	4.1 U	4.1 U	2.1 U
2-Chlorotoluene	0.83 U	4.1 U	8.3 U	**1.3 J**	NE	0.83 U	0.83 U	1.03 U	8.3 U	8.3 U	4.1 U
Cryofluorane(Freon-114)	**0.1 J**	2.8 U	5.6 U	2.8 U	NE	0.56 U	0.56 U	1.4 U	5.6 U	5.6 U	2.8 U
Cyclohexane	**0.17 J**	**1 J**	**6 J**	**6**	NE	**0.22 J**	0.69 U	0.688 U	**98**	**93**	**1.3 J**
n-Decane	**0.33 J**	**390**	**320**	**410**	7.6	**1.4 J**	**1.3 J**	1.16 U	**30**	**9.8 J**	**7.5 J**
Dibromochloromethane	0.68 U	3.4 U	6.8 U	3.4 U	NE	0.68 U	0.68 U	1.7 U	6.8 U	6.8 U	**1.2 J**
1,3-Dichlorobenzene	0.48 U	**1.8 J**	4.8 U	**0.98 J**	2.2	0.48 U	0.48 U	1.2 U	**10 J**	4.8 UJ	2.4 U
1,4-Dichlorobenzene	0.48 U	**1.4 J**	4.8 UJ	**22 J**	1.2	0.48 U	0.48 U	1.2 U	4.8 U	4.8 U	2.4 U
Dichlorodifluoromethane	**2.3**	**1.6 J**	**36 J**	**25 J**	8.1	**3**	**5.2 J**	**2.52**	**2.3 J**	**2.3 J**	**2.6**
1,1-Dichloroethane	0.32 U	1.6 U	3.2 U	1.6 U	0.6	0.32 U	0.32 U	0.809 U	**0.8 J**	**0.8 J**	**1.2 J**
1,2-Dichloroethane	0.32 UJ	1.6 U	3.2 U	1.6 U	0.8	0.32 U	0.32 U	0.809 U	3.2 U	3.2 U	**5.1**
cis-1,2-Dichloroethene	0.32 U	1.6 U	3.2 U	1.6 U	1.8	0.32 U	0.32 U	0.792 U	3.2 U	3.2 U	1.6 U
trans-1,2-Dichloroethene	0.32 U	1.6 U	3.2 U	1.6 U	NE	0.32 U	0.32 U	0.792 U	3.2 U	3.2 U	1.6 U
1,1-Dichloroethene	0.32 U	1.6 U	3.2 U	1.6 U	1.4	0.32 U	0.32 U	0.792 U	3.2 U	3.2 U	1.6 U
1,2-Dichloropropane	0.37 U	1.8 U	3.7 U	1.8 U	1.6	0.37 U	0.37 U	0.924 U	3.7 U	3.7 U	1.8 U

Table 14
Detected Soil Vapor, Indoor and Outdoor Ambient Air Analytical Results Summary
Fulton Municipal Works Former MGP Site
Remedial Investigation Report
Brooklyn, New York

Location:	Parcel III	Parcel IV			EPA BASE Outdoor Air Concentrations 90th Percentile[1]	Parcel IV	Parcel II				
Sample Name:	FW-OA-02	FW-SV-08	FW-SV-09	Duplicate of FW-SV-09		FW-OA-04	FW-SV-10	FW-SV-10-S (Split Sample for FW-SV-10)	FW-SV-11	Duplicate of FW-SV-11	FW-SV-12
Sample Date:	1/29/2010	6/29/2009	6/29/2009	6/29/2009		6/29/2009	5/30/2008	5/30/2008	3/26/2010	3/26/2010	3/26/2010
1,4-Dioxane	0.72 U	3.6 U	7.2 U	3.6 U	NE	0.72 U	0.72 U	0.72 U	7.2 U	7.2 U	3.6 U
n-Dodecane	**0.23 J**	**20 J**	**11 J**	**7.9 J**	10.4	2.8 U	2.8 U	3.48 U	**6.8 J**	28 U	**7.4 J**
Ethanol	ND	**10 J**	15 UJ	7.5 UJ	57	**11 J**	ND	**5.84**	**130 J**	**93 J**	**20 J**
p-Ethyltoluene	0.79 U	**4.1**	**11**	**10**	3	**0.6 J**	0.79 U	0.982 U	**9**	**5.5 J**	**1.3 J**
n-Heptane	**0.47 J**	**2.9 J**	**1.5 J**	**1.9 J**	NE	**0.77 J**	**0.65 J**	0.819 U	**26**	**20**	**0.5 J**
n-Hexane	**0.47 J**	3.5 U	7 U	3.5 U	6.4	**0.82**	**1.2**	1.76 U	**86**	**88**	**0.74 J**
2-Hexanone	**0.46 J**	**2.2 J**	8.2 U	**1.6 J**	NE	**0.51 J**	0.82 U	0.819 U	8.2 U	8.2 U	**3.7 J**
Indane	0.39 UJ	**7.1 J**	**5.8 J**	**7.1 J**	NE	0.39 UJ	0.39 UJ	0.967 U	**5 J**	3.9 UJ	1.9 UJ
Indene	0.76 UJ	**9.8 J**	7.6 UJ	**3.9 J**	NE	0.76 UJ	0.76 UJ	0.95 U	7.6 UJ	7.6 UJ	3.8 UJ
Methyl tert-butyl ether	1.4 U	**23**	14 U	7.2 U	6.2	1.4 U	1.4 U	0.72 U	**8.2 J**	**6.1 J**	7.2 U
4-Methyl-2-pentanone	**0.2 J**	**30**	**12**	**14**	1.9	**1.2**	**0.29 J**	0.819 U	**8.2**	**5 J**	**4.6**
Methylene chloride	**26**	3.5 U	6.9 U	3.5 U	6.1	0.69 U	**3.5**	1.74 U	6.9 U	6.9 U	3.5 U
1-Methylnaphthalene	5.8 UJ	29 UJ	58 UJ	29 UJ	NE	5.8 UJ	5.8 UJ	14.5 U	58 UJ	58 UJ	29 UJ
2-Methylnaphthalene	5.8 UJ	29 UJ	58 UJ	29 UJ	NE	5.8 UJ	5.8 UJ	14.5 U	58 UJ	58 UJ	29 UJ
Naphthalene	1 U	**16 J**	**7.3 J**	**7.7 J**	4.9	1 UJ	1 UJ	1.05 U	10 U	10 U	**1.3 J**
Nonane	**0.2 J**	**1.8 J**	**16**	**22**	2.8	**1.8**	1 U	1.05 U	10 U	10 U	**0.58 J**
n-Octane	**0.2 J**	**1.9 J**	**3.5 J**	**3.9**	1.6	**0.57 J**	**0.33 J**	0.934 U	**4.2 J**	**2.2 J**	**0.36 J**
Pentane	**0.9 J**	**8.3**	**1 J**	**1.4 J**	NE	**0.96 J**	**3.6**	**0.731**	**50**	**49**	**0.97 J**
2-Propanol (Isopropyl Alcohol)	**0.93 J**	**1.9 J**	**2.4 J**	**2.6 J**	16.5	**0.79 J**	**1.4 J**	1.23 U	**23**	**18 J**	**4 J**
Styrene	0.34 U	**4.2**	**1.5 J**	**1.8**	1.3	**0.14 J**	0.34 U	0.851 U	3.4 U	3.4 U	1.7 U
1,1,2,2-Tetrachloroethane	0.55 U	2.7 U	**4 J**	**5.8**	NE	0.55 U	0.55 U	1.37 U	5.5 U	5.5 U	2.7 U
Tetrachloroethene (PCE)	**0.5 J**	**11**	**11**	**12**	6.5	**1.8**	**84**	**26.9**	**71 J**	**45 J**	**900**
1,2,4,5-Tetramethylbenzene	0.44 UJ	**2.3 J**	4.4 UJ	**3.6 J**	NE	0.44 UJ	ND	13.7 U	**25 J**	4.4 UJ	**4.3 J**
Thiophene	0.28 UJ	1.4 UJ	2.8 UJ	1.4 UJ	NE	0.28 UJ	0.28 UJ	0.688 U	2.8 UJ	2.8 UJ	1.4 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	**0.54 J**	3.1 U	**1.5 J**	**0.79 J**	NE	**0.61**	**2**	1.53 U	6.1 U	6.1 U	3.1 U
1,1,1-Trichloroethane	0.44 UJ	2.2 U	4.4 U	2.2 U	2.6	0.44 U	**0.41 J**	1.09 U	4.4 U	4.4 U	**14**
Trichloroethene (TCE)	**0.1 J**	1.1 U	2.1 U	1.1 U	1.3	0.21 U	**0.64**	1.07 U	2.1 U	2.1 U	**9.6**
Trichlorofluoromethane	**1.1**	2.2 U	**30**	**30**	4.3	**2**	**78**	**23.5**	**0.61 J**	**0.59 J**	**1.2 J**
1,2,3-Trimethylbenzene	0.39 UJ	**11 J**	**9.7 J**	**12 J**	NE	0.39 UJ	0.39 UJ	0.983 U	**130 J**	**24 J**	**3.9 J**
1,2,4-Trimethylbenzene	**0.27 J**	**12**	**16**	**17**	5.8	**1.3**	**0.4**	0.982 U	**9.6 J**	**25 J**	**9.3**
1,3,5-Trimethylbenzene	0.39 U	**3.8**	**5.1**	**5.4**	2.7	**0.55**	0.39 U	0.982 U	**16 J**	**10 J**	**2.5**
2,2,4-Trimethylpentane	**0.34 J**	**3 J**	**2 J**	**2.1 J**	NE	**0.63 J**	0.93 U	0.934 U	**1200**	**1100**	**0.49 J**
n-Undecane	**0.26 J**	**360 J**	**210 J**	**260 J**	14.8	**0.36 J**	**1 J**	1.28 U	**6.4 J**	**3.8 J**	**2.5 J**
Other (%)											
Helium	NA	0.23 U	0.25 U	0.23 U	NE	NA	0.18 U	0.02 U	0.18 U	0.18 U	0.18 U

Table 14
Detected Soil Vapor, Indoor and Outdoor Ambient Air Analytical Results Summary
Remedial Investigation Report
Fulton Municipal Works Former MGP Site
Brooklyn, New York

Notes:

ug/m^3 - micrograms per cubic meter

BTEX - Benzene, Toluene, Ethyl benzene, and Xylenes
VOCs - volatile organic compounds

NE - not established
NA - not analyzed

U.S. Environmental Protection Agency (EPA) Building Assessment and Survey Evaluation (BASE) Reference[1] Source: New York State Department of Health (DOH), October 2006. Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from selected public and commercial office buildings reported in various locations within office settings in New York State, 1994-1996.

Bolding indicates a detected result concentration detected

Shading and bolding indicates that the detected concentration is above the 90th percentile of the EPA BASE value (Background Concentration)

Shading and bolding indicates that the detected concentration is above a DOH Guideline Value

Validation Qualifiers:

J - estimated value
JN - analyte is presumptively present at an approximated quantity
U - indicates not detected to the reporting limit
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated
ND - not detected