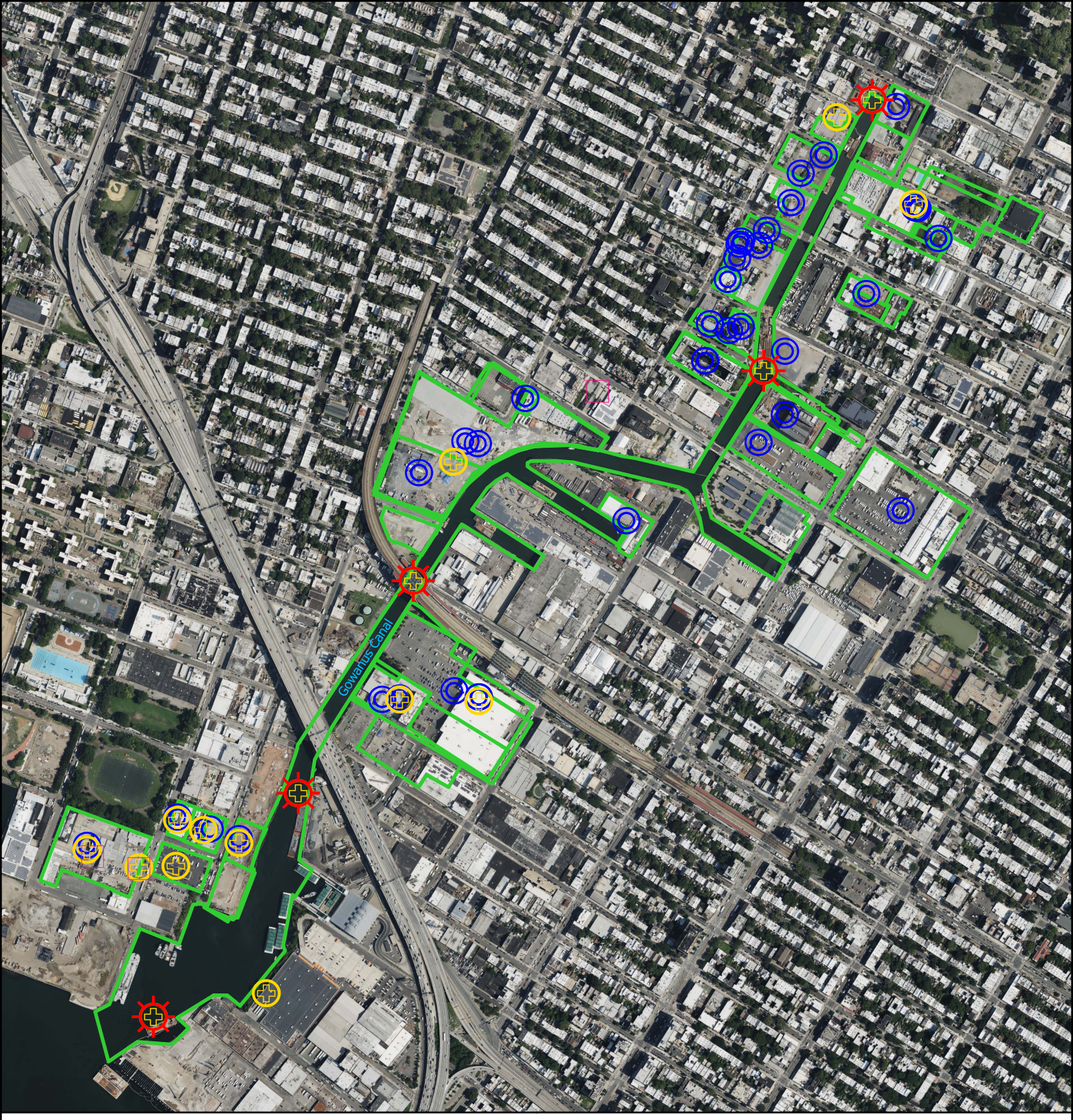


Public Health and Environmental Toxic Threats Along the Gowanus Canal That Reportedly Do Not Meet All Applicable Cleanup Requirements

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Hazardous Waste Corrective Action

US National Priority Superfund

NY Superfund Site

Brownfield Site

Remediation Zone

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BROWNFIELDS SITES INFORMATION REQUEST

459 SMITH STREET (CITIZENS MGP PARCEL III) **Facility Id: C224012B**
459 SMITH STREET, BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224012B
CLASSIFICATION CODE: A REGION: 2 DEC ID: 577076
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 459 Smith Street (Citizens MGP Parcel III)
STREET ADDRESS: 459 Smith Street
CITY: Brooklyn ZIP: 11231
TOWN: New York City
COUNTY: Kings

ESTIMATED SIZE: 3.8 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: HR DC Smith Street Owner LP
ADDRESS: 199 Lee Avenue #693
Brooklyn, NY 11211

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:
NAME: The Brooklyn Union Gas Company
David Lodemore
ADDRESS: 40 Sylvan Road
Waltham, MA 02451

APPLICANT REQUESTOR(S):
NAME: The Brooklyn Union Gas Company Co. d/b/a National Grid NY
David Lodemore
ADDRESS: 40 Sylvan Road
Waltham, MA 02451

NAME: Smith Street Owner LLC
Yoel Goldman
ADDRESS: 199 Lee Avenue #693
Brooklyn, NY 11211

NAME: HR DC Smith Street Owner LP
Michael Loeb
ADDRESS: 52 Sutton Place
Lawrence, NY 11559

DOCUMENT REPOSITORY(S):
NAME: Carroll Gardens Library
John Leighton
ADDRESS: 396 Clinton Street
Brooklyn, NY 11231

NAME: Brooklyn Community Board 6
Sayar Lonial
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201-8410

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The site occupies about 3.81 acres and is identified as Block 471, Lot 200 on the Kings County tax map. The Gowanus Canal, a USEPA Superfund site, adjoins the site to the east and is hydraulically connected to 459 Smith Street pending construction of an impermeable bulkhead along the shoreline. The site is located on the southern portion of Block 471 and is bound by Lot 1 followed by 5th Street to the north, the Gowanus Canal to the east, Huntington Street to the south, and Smith Street to the west.

Site Features: The site encompasses an area of 165,840 square feet (about 3.81 acres) and is currently used as a staging area in support of the Gowanus Canal Superfund remediation. There are no buildings on the site. The site elevation ranges from about el 10 feet (North American Vertical Datum of 1988 [NAVD88]) along the Gowanus Canal to between el 17 and 22 along Smith Street (sloping up from south to north).

Current Zoning and Land Use: The site is zoned for industrial use. The entire site is located in the M3-1 manufacturing district. The surrounding area includes commercial, industrial, residential, and transportation/utility buildings, as well as, vacant lots, construction sites, and open space.

Most of the site is not paved except for the eastern part of the site, between the bulkhead and the foundation wall of the former warehouse. The site is not improved with any structures. The site is currently being used as a staging area for the Gowanus Canal Superfund project.

Past Use of the Site: The site was occupied by a fertilizer plant from as early as 1886 until some point between 1904 and 1915. The Former Citizens Manufactured Gas Plant (MGP) Site was constructed on the adjoining properties to the north around the 1860s, and expanded to include this site between 1904 and 1915. The MGP operation on the site continued to expand between 1915 and 1948 and included a tar separator, tar handling facilities, oil storage tanks, and a 1-million-gallon oil tank. The MGP site was demolished in the early 1960s.

Site Geology and Hydrogeology: The USGS "Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey" indicates that the bedrock underlying the site is part of the Hartland Formation. During the 2005 remedial investigation by GEI Consultants, Inc., historic fill was identified from surface grade to about 8 to 15 feet below grade surface (bgs) across the site, and predominately consisted of loose, non-cohesive silt, sand, and gravel with brick, concrete, coal, wood, metal, ash, slag, and clinkers. Alluvial/Marsh deposit generally consisting of grey to brown clay, silt and organic silts was observed beneath the fill layer. Glacial till generally consisting of brown, fine to medium sand with varying amounts of silt, clay, and gravel was observed beneath the alluvial/marsh deposit.

The groundwater flow direction for the area surrounding the site is tidally influenced. Shallow, intermediate, and deep groundwater flow was generally observed flowing to the south-southwest. Groundwater underlying the site was observed at elevations ranging from about 7 to 0 NAVD88.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
The site is heavily contaminated with MGP residuals, including coal tar and petroleum products. The principal contaminant is coal tar, which is present as a non-aqueous phase liquid (NAPL) throughout the portion of the site that borders the canal.

Contaminants are impacting the soil, groundwater and soil gas. Contamination is present to depths of at least 120 feet below grade, and has been observed migrating off-site at depth.

The nearest environmental receptor is the Gowanus Canal, where significant discharges of coal tar can be seen during low tide periods. Active coal tar seeps are found in two locations along the canal; under extreme low tide conditions, these seeps can cover a several hundred-foot reach of the canal with slicks and sheens. The canal is used as a recreational resource by kayakers and canoers.

Based on the heavy contamination at the site, NYSDEC has determined that the site poses a significant threat to human health and the environment.

SITE HEALTH ASSESSMENT:
Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:
None reported

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BROWNFIELDS SITES INFORMATION REQUEST

CARROLL GARDENS/PUBLIC PLACE FORMER MGP SITE **Facility Id: C224012**
5TH STREET & SMITH STREET TO GOWANUS CANAL, BROOKLYN, NY 11218

ADDRESS CHANGE INFORMATION
Revised street: 5TH ST
Revised zip code: 11231

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224012
CLASSIFICATION CODE: A REGION: 2 DEC ID: 57434
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: Carroll Gardens/Public Place Former MGP Site
STREET ADDRESS: 5th Street & Smith Street to Gowanus Canal TOWN: New York City
CITY: Brooklyn ZIP: 11218 COUNTY: Kings

ESTIMATED SIZE: 5.8 Acres

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
224012	HW Site ID
A2-0610-0808	Agreement/Consent Order Number
V00360	VCP Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: NEW YORK CITY DEPT. OF HOUSING PRESERVATION AND DEVELOPMENT Owner Type: Local Government
Erin Buchanan

ADDRESS: 100 GOLD STREET
ROOM 9X
NEW YORK, NY 10038

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: NEW YORK CITY DEPT. OF HOUSING PRESERVATION AND DEVELOPMENT Applicant Type: Local Government
Nick Lundgren
ADDRESS: 100 GOLD STREET
NEW YORK, NY 10038

NAME: National Grid USA
Patrick Van Rossem
ADDRESS: 175 East Old Country Road
Hicksville, NY 11801

NAME: Gowanus Green Partners, LLC
Aaron Koffman
ADDRESS: 826 Broadway
11 floor
New York, NY 10003

HAZARDOUS WASTE DISPOSAL PERIOD: from 1880 to 1930

SITE DESCRIPTION:
Location: The 6 acre Carroll Gardens/Public Place property is located on the bank of the Gowanus Canal in Brooklyn. It is bounded by Smith Street, 5th Street, the property at 459 Smith Street and the Gowanus Canal. Surrounding land uses range from industrial to residential. The nearest residential structure is located directly across 5th St. from the site.

Site Features: The site is comprised of two parcels which are owned by the City of New York, and are currently vacant. A third parcel was recently removed from the site and has applied to enter the Brownfield Cleanup Program (BCP) as a standalone site. A fourth parcel was part of the original manufactured gas plant (MGP) plant, but is not included in the Brownfield site and is being managed separately. This privately owned fourth parcel, currently houses a trucking company, and is subject to a consent order with National Grid.

Current Zoning and Land Use: The site is zoned M3-1. The parcels owned by NYC are planned for a mixture of residential and commercial space, with provisions for public access to the banks of the canal.

Past Uses of the Site: The site was used as an MGP operation for approximately 100 years.

Operable Units: The site has been divided into 2 Operable Units (0Us). OU1 consists of the site itself and includes 2 parcels. OU2 consists of off site impacted areas.

Site Geology and Hydrogeology: The site is underlain by a deep sand deposit, which has enabled the coal tar released from the

former MGP to migrate both vertically (downward) and horizontally. Two other MGPs are also located nearby, and it is not always possible to tell where the tar plume from one site ends and the next begins.

Current Status: Remedial Construction is underway including installation of the bulkhead along the Gowanus Creek and excavation and removal of contaminated soil.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
COAL TAR

SITE ENVIRONMENTAL ASSESSMENT:
Remediation is Underway: The site was heavily contaminated with MGP residuals, including coal tar and petroleum products. However, remediation is ongoing to address the former MGP structures and associated impacts. Several former MGP structures have been removed along with a significant amount of coal tar and petroleum impacted soils to depths up to 26 feet below ground surface (bgs). A sealed bulkhead/barrier is being installed to prevent migration of contamination into the Gowanus Canal and is substantially complete with the final portions being adjacent to important utility connections at the Gowanus. These final portions are scheduled to be completed by early 2021. These timelines are in line with the EPA schedule for the remediation in the Canal. A coal tar collection system will be installed behind the sealed bulkhead/barrier wall to capture and remove residual coal tar at depth. This recovery system along with the sealed bulkhead/barrier wall will prevent off-site migration of residual coal tar. A sitewide cover will also be installed to address direct contact with residual surface contamination, which consists of historic fill containing semi-volatile organic compounds (SVOCs) and metals as is typical in urban environments across the state. A post-construction vapor evaluation will be performed for any buildings constructed on -site

Nature and Extent of Contamination: The principal contaminant of concern at the site is MGP related coal tar and associated petroleum contamination. Coal tar contains various volatile organic compounds (VOCs), primarily benzene, toluene, ethylbenzenes, and xylenes (BTEX). A family of compounds referred to as polycyclic aromatic hydrocarbons (PAHs) are also associated with MGP coal tar. During the RI, samples were analyzed for VOCs, SVOCs, metals and cyanide.

Soil: Coal tar has been observed, in soil, across the site at various depths ranging from approximately seven to one hundred fifty feet below grade. Shallower coal tar impacts were observed in soil at locations which generally correspond to locations of former MGP structures. Tar saturation thickness varies across the site and ranges from bands less than an inch to several feet of coal tar. Coal tar has migrated off-site at depths over 100 feet.

PAHs were observed in soil at varying depths across the site. PAHs were typically highest where tar was observed. The maximum concentration of total PAHs was observed on Parcel 1 at a concentration of 44,140 mg/kg in a sample collected from the interval at 19-22 feet below grade.

Groundwater: Groundwater at the site has been impacted by MGP related contaminants of concern including coal tar in the form of non-aqueous phase liquid. Total BTEX, PAHs and cyanide were detected above groundwater quality standards in groundwater samples across many areas of the site. Total BTEX in groundwater ranged from non-detect (ND) to 49, 400 parts per billion (ppb). Total PAHs in groundwater ranged from ND to 9,390 ppb. Total cyanide concentrations in groundwater ranged from ND to 1,410 parts per million (ppm).

Soil Vapor/Sub-slab Vapor: Soil vapor and sub-slab vapor samples were collected at the site to assess vapor intrusion conditions. BTEX compounds were detected in only one soil vapor sample at the site at a concentration of 4.1 micrograms per cubic meter (ug/m^3).

Special Resources Impacted/Threatened: The nearest environmental receptor is the Gowanus Canal, where significant discharges of

coal tar from the site in the past have been observed in the past.

SITE HEALTH ASSESSMENT:

The site is completely fenced, which restricts public access. The selected remedy is being implemented for this site and when complete, a cover system and Site Management Plan will be in place to prevent people from coming in contact with any residual contamination in the soil. However, during construction of the remedy, persons who enter the site could contact contaminants in the soil by walking on the site, digging or otherwise disturbing the soil. A Community Air Monitoring Plan will be in place during all remedial activities. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future onsite redevelopment and occupancy. However, the remedy also calls for a soil vapor intrusion evaluation for any buildings developed on the site, including provision for mitigation of any impacts identified. Environmental sampling indicates soil vapor intrusion is not a concern for offsite buildings. People using the canal for recreational purposes such as swimming, boating or fishing may come into direct contact with chemical contaminants and harmful biological organisms. Contaminated sediments will be addressed by EPA's dredging project. Fish consumption advisories are also in place. People who consume fish and shellfish from the canal are potentially consuming these contaminants as well.

PROJECT COMPLETIONS:

Operable Unit 01 − On−site

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design	Parcel I−III	01/02/2018	Actual
Remedial Design	Barrier Wall	01/02/2018	Actual



INACTIVE HAZARDOUS WASTE DISPOSAL SITE REGISTRY INFORMATION REQUEST

K − FULTON WORKS **Facility Id: 224051**
NEVINS, DEGRAW & SACKETT STS. BROOKLYN, NY 11201−

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11217

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224051
CLASSIFICATION CODE: A REGION: 2 DEC ID: 372654
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: K − Fulton Works
STREET ADDRESS: Nevins, DeGraw & Sackett Sts. TOWN: New York City
CITY: Brooklyn ZIP: 11201− COUNTY: Kings

ESTIMATED SIZE: 6.5 Acres

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

DOCUMENT REPOSITORY(S):

NAME: Brooklyn Community Board
Craig Hammerman
ADDRESS: 250 Baltic St.
Brooklyn, NY 12201

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location:

The Fulton Municipal Works MGP is located in the Gowanus neighborhood in South Brooklyn to the east of the Gowanus Canal. The site occupies five properties (designated Parcels I through V) located between Douglass and Sackett Streets and between the Gowanus Canal and Fourth Ave. These five properties comprise approximately 6.5 acres. The remedial investigation identified three additional parcels (designated Parcels VI through VIII) affected by contamination from the Fulton MGP. Parcels VI and VII abut the eastern bank of the Gowanus Canal and Parcel VIII lies on the canal's west bank.

Current Zoning and Land Use: The area is zoned for industrial use, specifically light manufacturing (M2-1 and M1-2). Parcel I is currently in use as a film studio. Parcel II is occupied by the Thomas Greene Park. Parcel III is currently used as a text book warehouse with offices on the upper of two stories, Parcel IV is occupied as a roll-off container and truck repair facility, and Parcel V, which formerly housed the NY Daily News automotive garage, is currently used as a rock climbing gym. The site is surrounded by mixed use parcels, including commercial, industrial, and multi-family residential properties.

Site Features: The site is comprised of commercial and industrial properties, as well as a city park containing a playground, basketball and handball courts and a swimming pool, in an urban area. Site topography is nearly flat, with a gradual downslope westward toward the Gowanus Canal.

Past Use of the Site: The site was operated as a manufactured gas plant (MGP) by Brooklyn Union Gas Co. from approximately 1879 to 1929. The operation of the MGP led to contamination of subsurface soil and groundwater by coal tar, a byproduct of the gas manufacturing process. The specific MGP operations and structures were located on the individual parcels are as follows:

Parcel I: production facilities including an oil/naptha collection tank, generator/retort house, condenser/blower house, coal shed, engine house, gasoline house and generators.

Parcel II: the southern portion of the parcel contained production facilities including 3 oil tanks, 1 relief holder/hydrogen tank and 6 gas oil naptha tanks. During World War I a US government toluol plant was located on the northern part of the parcel.

Parcel III: production facilities including a gas holder, purifying house, oxidizing sheds, coal bin, shaving scrubbers, tower scrubbers for the toluol plant, meter house, governor's house and offices.

Parcel IV: production facilities including a gas holder and coal shed.

Parcel V: facilities included a gas holder (storage only), water tank, engines/blowers and coal shed.

The site has been divided into two operable units.

An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination.

Operable Unit 1 includes the footprint of the former MGP operation, and the neighboring off-site properties east of the Gowanus Canal, where coal tar has spread in the subsurface. This includes Parcels I through VII. MGP source areas have been identified on Parcels I through IV; tar from these source areas has migrated westward beneath Parcels VI and VII. Parcel V, although included in the definition of Operable Unit 1, appears to be uncontaminated.

Operable Unit 2 includes the more distant off-site areas to the west, where coal tar has spread beneath the Gowanus Canal and a short distance beyond.

Site Geology/Hydrogeology: The site is underlain by urban fill ranging from 10 to 20 feet in thickness, which overlies a discontinuous peat and silt layer approximately 4 feet thick. Beneath the peat are glacial outwash deposits consisting predominantly of sand, with lesser amounts of silt and clay. Bedrock is approximately 150 feet below the ground surface. Groundwater is encountered at depths of 8 to 14 feet across the site, and flows westward toward the Gowanus Canal.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):

Polycyclic Aromatic Hydrocarbons (PAHs), Total
benzene, toluene, ethylbenzene and xylenes (BTEX)
coal tar

SITE ENVIRONMENTAL ASSESSMENT:

Remediation is Underway: Remediation is ongoing under the direction of EPA as part of the Gowanus Canal superfund cleanup. The installation of a bulkhead barrier wall is substantially complete to support the upcoming dredging activities in the canal. This bulkhead was a remedial component of the state's 2015 ROD for the site prior to oversight from EPA. Additional components of the state's remedy will be implemented following completion of EPA's work which includes remediation of upland areas associated with the Fulton Works Site.

Prior to Remediation: The Remedial Investigation identified the presence of coal tar in subsurface soils beneath four of the five Parcels comprising the original (Manufactured Gas Plant) MGP site (I, II, III and IV) and three off-site Parcels (VI, VII and VIII). Contamination beneath these parcels is generally inaccessible due to the distance below ground surface and presence of buildings, pavement and other infrastructure. To date, contamination has not been found at shallow depths, where human exposures would be likely. Future subsurface excavation work, however, could bring workers into direct contact with the contamination in the area adjacent to the intersection of Nevins and DeGraw Streets, where the Remedial Investigation identified coal tar at depths as shallow as 10 feet.

Nature and Extent of Contamination:
The principal contaminant of concern at the site is MGP related coal tar and associated petroleum contamination. Coal tar contains various volatile organic compounds (VOCs), benzene, toluene, ethylbenzene and xylene (commonly known as BTEX) and a family of semi volatile organic compounds referred to as polycyclic aromatic hydrocarbons (PAHs).

When the MGP was operating, coal tar was released directly into the Gowanus Canal by discharge pipes, and into the subsurface by leaking plant structures (primarily subsurface gas holders and storage tanks).

Soil:
Once released, the tar then spread through the subsurface soil. Beneath portions of the site, a discontinuous clay and peat layer commonly referred to as the meadow mat, which was deposited on the tidal flat adjacent to the Gowanus Creek, lies approximately 20 feet below the ground surface. The relatively low permeability of the meadow mat caused the coal tar that leaked from the plant structures to pool and spread laterally on top of it. Much of the coal tar on the site is found in the soil on top of the

mat. In areas where the meadow mat is absent, coal tar has migrated deeper, moving both laterally and vertically for considerable distances. Close to the former plant structures coal tar is found at depths ranging from 8 feet to more than 100 feet below ground surface, and is generally found at greater depths with increasing distance from the structures. The deep coal tar is sinking as it moves laterally.

Groundwater:
In addition to the high levels of soil contamination, BTEX and PAH compounds have been found in groundwater at levels which greatly exceed SCGs. Benzene was found at levels as high as 5,200 parts per billion (ppb), compared to the groundwater quality standard of 1 ppm. Ethyl benzene was found as high as 6,300 ppb, toluene as high as 2,200 ppb and total xylenes as high as 5,700 ppb; all compared to their individual groundwater quality standard of 5 ppb. Approximately one-quarter of groundwater samples also contained methyl tert-butyl ether (MTBE), a former gasoline additive, indicating that petroleum releases unrelated to the MGP have contributed to groundwater contamination.

Contamination in the form of separate phase tar and associated dissolved groundwater contaminants has migrated off-site. In off-site areas where tar is present, groundwater exceeds standards for VOCs and PAHs. Coal tar has migrated through the subsurface into and beneath the canal.

Sediment: Sediment contamination in the Gowanus Canal and in the canal banks beyond the source sites is being addressed by the United States Environmental Protection Agency (USEPA) under the Federal Superfund Program.

Soil Vapor: Soil vapor samples were collected from five parcels, along with indoor air samples from the three site parcels with occupied structures. Soil vapor beneath all five parcels contained MGP-related BTEX compounds, as well as non-MGP related compounds such as tetrachloroethene, trichloroethene, dichlorobenzene, and ethanol. Samples of indoor air collected from Parcel 3 contained levels of non-MGP chlorinated solvents exceeding NYSDOH guidelines for mitigation. Levels of BTEX and non-MGP contaminants (e.g., ethanol and n-decane) in the indoor air of Parcel 5 exceeded the concentrations normally seen in indoor air. However, these levels were significantly higher than corresponding sub-slab vapor samples, indicating that an indoor source may be responsible.

The Responsible Party, in accordance with the Order on Consent, is not responsible for remediation of non-MGP related contamination. The owners of affected properties have been notified where mitigation or monitoring of impacts to indoor air is required.

SITE HEALTH ASSESSMENT:
Direct contact with contaminants in the soil is unlikely because the site is covered with pavement, concrete or structures. However, people who dig below the surface may come into contact with contaminated subsurface soil or groundwater. People are not drinking contaminated groundwater because the area is served by public water. Volatile organic compounds may move into the soil vapor (air spaces within the soil) which in turn may move into overlying buildings and affect indoor air quality, this process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The potential for soil vapor intrusion to occur should be evaluated should the site be redeveloped or new construction occurs. Additionally, people using the canal for recreational purposes such as swimming or boating may come into direct contact with harmful biological organisms or site related contaminants in the surface water or sediments. Fish and shellfish in the canal are likely to contain the same contaminants that are present in the surface water and shallow sediments; therefore people should follow the New York State consumption guidelines for the Upper Bay of New York harbor and the canal.

PROJECT COMPLETIONS:
Operable Unit 01 − Plant Site and Near Off−site

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization	KS Fulton Gas Works	12/04/2007	Actual
Remedial Investigation		07/31/2015	Actual
Remedial Design		03/11/2019	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air−	Surface Water−	Groundwater−	Soil−	Sediment−
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater−	Drinking Water−	Surface Water−	Air−	

GEOTECHNICAL INFORMATION:
SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:		State−	Federal−
STATUS:	Negotiation in Progress−		Order Signed−	
REMEDIAL ACTION:	Proposed−	Under Design−	In Progress−	Completed−
NATURE OF ACTION:				



**** INACTIVE HAZARDOUS WASTE DISPOSAL SITE REGISTRY INFORMATION REQUEST ****

K − CITIZENS MGP − CARROLL GARDEN **Facility Id: 224012**
CORNER OF 5TH STREET & SMITH STREET BROOKLYN, NY 11218

ADDRESS CHANGE INFORMATION
Revised street: 5TH ST / SMITH ST
Revised zip code: 11231

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224012
CLASSIFICATION CODE: A REGION: 2 DEC ID: 55912
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: K − Citizens MGP − Carroll Garden
STREET ADDRESS: Corner of 5th Street & Smith Street TOWN: New York City
CITY: Brooklyn ZIP: 11218 COUNTY: Kings

ESTIMATED SIZE: 6 Acres

SITE TYPE: Dump−X Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
C224012	BCP Site ID
V00360	VCP Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: CITY OF NY, DIVISION OF REAL PROP. Owner Type: Local Government
VIRGINIA SHONING
ADDRESS: 2 LAFAYETTE ST.
NEW YORK, NY 10007

NAME: NYC DEPARTMENT OF REAL PROPERTY

ADDRESS: 2 LAFAYETTE STREET
NEW YORK, NY 10007

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

DOCUMENT REPOSITORY(S):
NAME: Community Board 6
Craig Hammerman
ADDRESS: 250 Baltic St.
Brooklyn, NY 11201-6401

HAZARDOUS WASTE DISPOSAL PERIOD: from 1860's to 1960's

SITE DESCRIPTION:
Location: The 3/4 acre Carroll Gardens/Public Place property is located on the bank of the Gowanus Canal in Brooklyn.

Site Features: The site is comprised of one parcel, Parcel 4 of the former Carroll Gardens Voluntary Cleanup Site. The first three parcels are being administered under the Brownfield Cleanup Program.

Current Zoning and Land Use: The site is zoned M3-1 and is currently used for commercial use. Food vendor trucks currently occupy the site and the site is used for storage of the trucks.

Past Uses of the Site: The site was used as a manufactured gas plant(MGP) for approximately 100 years.

Operable Units: The site has only one operable unit, OU-1.

Site Geology and Hydrogeology: The site is underlain by a deep sand deposit, which has enabled the coal tar released from the former MGP to migrate both vertically and horizontally. Two other MGPs are also located nearby, and it is not always possible to tell where the tar plume from one site ends and the next begins.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
COAL TAR	UNKNOWN
TOLUENE	UNKNOWN
TETRACHLOROETHYLENE	UNKNOWN
METHYLENE CHLORIDE	UNKNOWN

SITE ENVIRONMENTAL ASSESSMENT:
Nature and Extent of Contamination: The principal contaminant of concern at the site is MGP related coal tar and associated petroleum contamination. Coal tar contains various volatile organic compounds (VOCs), primarily benzene, toluene, ethylbenzenes, and xylenes (BTEX). A family of compounds referred to as polycyclic aromatic hydrocarbons (PAHs) are also associated with MGP coal tar. During the RI, samples were analyzed for VOCs, SVOCs, metals and cyanide. Soil: MGP impacts have been observed in the

subsurface soil at Parcel IV. In general impacts observed at less than 10 feet deep consist of stained soil. However, lenses of MGP saturation were observed in borings CGGP-10 and CGGP-45 at approximately 8 feet. The most significant impacts were observed outside the holder along the southern and eastern edge of the property at depths ranging from 3 feet to fifty feet. Impacts range from stained soil to NAPL blebs, sheens, coated and saturated soil.

SITE HEALTH ASSESSMENT:
The portion of the site which is vacant is fenced, although the fence is occasionally damaged. The site is located in a densely populated residential and commercial area. There is evidence of occasional trespass and illegal dumping. The site contains 55 gallon drums and other debris. The soil and groundwater are contaminated with volatile and semi-volatile organic compounds in the part per million range. The Gowanus canal is contaminated with these compounds up to 420 ug/l at points upstream, at, and downstream of the site. The contribution of the site to surface water contamination is not clear. The groundwater in the area is not used for drinking water purposes and the whole area is served by the new york city water system. The groundwater may discharge to the canal and thence into upper new york bay. Occasional trespassers could be exposed to contaminated soil and to drum contents.

PROJECT COMPLETIONS:
Operable Unit 01 - Parcel IV

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization		09/01/1990	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:
SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:		State-	Federal-
STATUS:	Negotiation in Progress-		Order Signed-	
REMEDIAL ACTION:	Proposed-	Under Design-	In Progress-	Completed-
NATURE OF ACTION:				



**** INACTIVE HAZARDOUS WASTE DISPOSAL SITE REGISTRY INFORMATION REQUEST ****

K − METROPOLITAN MGP **Facility Id: 224046**
124−136 SECOND AVE BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224046
CLASSIFICATION CODE: 02 REGION: 2 DEC ID: 372656
CLASSIFICATION CODE DESCRIPTION:
Significant threat to the public health or environment − action required.

NAME OF SITE: K − Metropolitan MGP
STREET ADDRESS: 124−136 Second Ave TOWN: New York City
CITY: Brooklyn ZIP: 11215 COUNTY: Kings

ESTIMATED SIZE: 11 Acres

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
v00405	VCP Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):

OWNER(S) DURING DISPOSAL:
NAME: Two Trees Management Co, LLC
ADDRESS: 45 Main Street, 12th Floor
Brooklyn, NY 11201

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Community Board 6
Craig Hammerman
ADDRESS: 250 Baltic Street
Brooklyn, NY 12201-6401

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The Metropolitan Gas Works site is located at the intersection of 12th Street and Second Avenue in South Brooklyn. It is bounded on the west by the Gowanus Canal, on the north by 10th St., on the east by 2nd Avenue and on the south by 13th St.

Site Features:

The site is approximately 11 acres and completely developed. The original plant footprint is occupied by a large home improvement center, a strip mall and parking lots that serve them. The surrounding neighborhood is primarily industrial and commercial, with some residential properties within a few blocks.

Past use of the site: The site was occupied by a large manufactured gas plant (MGP) from the late 1800s to the late 1930s. The MGP converted coal and petroleum products to gas, which was used for heating, cooking, and lighting purposes in the surrounding areas. The process produced large amounts of coal tar wastes which have heavily contaminated the soils beneath the site.

The southeastern portion of the plant was remediated in 2001 to 2003. The remediation consisted of the excavation of 3 gas holders and the installation of a Dense Non-Aqueous Phase Liquid (DNAPL) recovery system that is currently operating.

The western third of the site (where the actual gas plant was located) is now occupied by a multi-story brick commercial building including a Pathmark grocery store. A Remedial Investigation was conducted in this area between 2009 and 2013.

Site Geology and Hydrogeology: Soils on the site consist of fill that overlies a peat/silt/clay meadow mat marsh deposit that lies approximately 16 feet below ground surface (bgs). Beneath the meadow mat are sand and silt glacial outwash deposite. Bedrock is greater than 150 ft.bgs. Groundwater flow is southwest, toward the Gowanus Canal.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
BENZENE	26.00
TOLUENE	3000.00
NAPHTHALENE	810.00
BENZO(A)PYRENE	130.00
COAL TAR	UNKNOWN

SITE ENVIRONMENTAL ASSESSMENT:
From 2001 through 2003, the eastern portion of the historic MGP and two adjacent parcels were investigated and portions

remediated through excavation of the former oil tanks and Holders No. 1 through 3. In addition, approximately 45 recovery wells were installed along 12th Street and perpendicular to 12th, northeast of Hamilton Place, to allow recovery of non-aqueous phase liquid (NAPL). Coal tar recovery from productive wells has been conducted since installation. At present, three recovery wells continue to collect coal tar. These remedial actions resulted in the eastern portion of the former MGP site and the two adjacent parcels to be administratively closed. A remedial investigation (RI) was performed on other portions of the former MGP site between 2010 and 2012, and a supplemental RI was performed between 2017 and 2019 to investigate the remaining areas of the site previously not accessible.

Throughout the course of site investigations, soil and groundwater have been analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), cyanide, metals, pesticides and herbicides. Soil vapor and indoor air have been analyzed for VOCs.

A barrier wall is being designed to prevent migration of contamination into the Gowanus Canal and is anticipated to be completed in 2023. This project and timeline follow the EPA's plan and schedule for remediation of the Gowanus Canal. Monitoring/recovery wells will be installed behind the sealed bulkhead/barrier wall to capture and remove any collectable residual coal tar at depth. This recovery system along with the barrier wall will remove mobile coal tar from the site and prevent any off-site migration of residual coal tar.

Nature and Extent of Contamination:
The principal contaminant of concern at the site is MGP related coal tar and associated petroleum contamination. Coal tar contains various volatile organic compounds (VOCs), primarily benzene, toluene, ethylbenzenes, and xylenes (collectively known as BTEX). A family of compounds referred to as polycyclic aromatic hydrocarbons (PAHs) are also associated with MGP coal tar.

Subsurface impacts were observed in the following general areas: the area of former oil and tar tanks, located in the western portion of the former Pathmark footprint; in the area of former gas Holder No. 4 located beneath the central portion of the former Pathmark building extending to the west; and, in the area of former gas Holder No. 5 and downgradient of former gas Holder No. 1 through 3, near the intersection of 12th Street and Hamilton Place.

Soil:
Coal tar impacts have been observed across the site at various depths ranging from approximately one to 75 feet below grade (ft bg). MGP-related impacts to site soils primarily consist of BTEX and PAH compounds. The impacted soils are observed to generally correspond with locations of former MGP structures. Both the maximum BTEX and PAH concentrations were identified in samples collected from the area of former Holder No. 5 in the interval at 35 to 40 ft bg. The maximum BTEX concentration was 1,639 mg/kg and the maximum PAH concentration was 14,106.2 mg/kg. Cyanide was detected at low, estimated concentrations, with a maximum detection of 0.24 mg/kg in the 35-40 ft bg interval. There were two detections of PCBs in soils across the site, the maximum detection was 0.081 mg/kg in the 46 to 47.5 ft bg interval. Several metals, including arsenic, barium, copper, lead and mercury, have been detected in soils exceeding the corresponding Soil Cleanup Objectives (SCOs). There have been no detections of pesticides or herbicides above site SCOs.

Groundwater:
Groundwater at the site has been impacted by MGP related contaminants of concern including coal tar in the form of non-aqueous phase liquid. Groundwater exceedances of standards and guidance values primarily included total BTEX, PAHs, and metals with limited occurrences of cyanide. No PCBs, pesticides or herbicides were detected in groundwater above respective standards. In general, the greatest impacts were detected in the intermediate groundwater zone, consistent with the highest impacted soil horizon. MGP-related impacts in the deep groundwater zone appear to be limited to the area of the former tar tanks. Total BTEX in groundwater ranged from non-detect (ND) to 15,100 parts per billion (ppb). Total PAHs in groundwater ranged from ND to 5,885 ppb. Numerous metals were detected above their corresponding standards, including arsenic, iron, lead, magnesium, manganese, and

sodium, likely associated with regional conditions rather than historical site operations. Total cyanide concentrations in groundwater ranged from ND to 279 parts per million (ppm).

Soil Vapor: Soil vapor and indoor air samples were collected at the site to assess vapor intrusion conditions. No potentially MGP−related constituents were detected in indoor air or sub−slab soil vapor above the typical background indoor air concentrations from public and commercial buildings. Non MGP−related constituents were either not detected in indoor air and sub−slab soil vapor or detected in concentrations that indicated an indoor source of VOCs was present. Paired indoor air and sub−slab soil vapor samples do not indicate a complete vapor intrusion pathway.

Special Resources impacted:
No special resources were identified. The adjacent portion of the Gowanus Canal is heavily contaminated from a variety of sources including other MGP sites nearby, but specific impacts to the canal from this particular MGP site have not been identified. Any off−site tar migration appears to be taking place at depths below the bottom of the canal.

SITE HEALTH ASSESSMENT:
Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Environmental sampling indicates soil vapor intrusion is not a concern for onsite or offsite buildings.

PROJECT COMPLETIONS:
None reported

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air−	Surface Water−	Groundwater−	Soil−	Sediment−
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater−	Drinking Water−	Surface Water−	Air−	

GEOTECHNICAL INFORMATION:
SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:		State−	Federal−
STATUS:	Negotiation in Progress−		Order Signed−	
REMEDIAL ACTION:	Proposed−	Under Design−	In Progress−	Completed−
NATURE OF ACTION:				



* INACTIVE HAZARDOUS WASTE DISPOSAL SITE REGISTRY INFORMATION REQUEST *

GOWANUS CANAL SITE **Facility Id: 224133**
GOWANUS CANAL BROOKLYN, NY, NY 11217

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224133
CLASSIFICATION CODE: 02 REGION: 2 DEC ID: 406956
CLASSIFICATION CODE DESCRIPTION:
Significant threat to the public health or environment − action required.

NAME OF SITE: Gowanus Canal Site
STREET ADDRESS: Gowanus Canal TOWN: New York City
CITY: Brooklyn, NY ZIP: 11217 COUNTY: Kings

ESTIMATED SIZE: 20 Acres

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−X

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
NYN000206222	CERCLA EPA ID No.

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: NYC Law Department Owner Type: PRP − Class 2 HazSubs
ADDRESS: 100 Church Street
New York, NY 10007

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

HAZARDOUS WASTE DISPOSAL PERIOD: from 1880

SITE DESCRIPTION:

Site Description

The Gowanus Canal is a man−made navigational waterway in southeastern Brooklyn, Kings County NY. Nearly the entire canal is bounded by "hard" urban shorelines in the form of bulkheads, moorings, and retaining walls. The site definition includes only the canal and its attached barge slips, totaling slightly over 1.5 linear miles of waterway.

Averaging 100 feet in width, the open water area defined as the site totals approximately 1,000,000 square feet or 29 acres.

The canal also serves as a storm water drain for the surrounding area.

Currently, approximately six square miles of highly urbanized land drains into the canal. Sanitary sewers no longer discharge directly; however, numerous combined sewer overflows (CSO) continue to discharge to the canal during storm events. Industrial discharges from a wide variety of industrial processes were also historically routed to the canal, via private discharge pipes or the municipal sewers.

Stagnant water conditions have plagued the canal since its initial construction. To combat this, a "flushing tunnel" at the north end of the canal was constructed in 1911 to divert water from the Buttermilk Channel to maintain flow through the canal to Gowanus Bay. Operation of the flushing system has had numerous problems resulting in lengthy periods during which it was inoperable. Significant upgrades to this system are scheduled over the next few years to increase the volume of water flushing the canal. Currently the flushing tunnel has been de−activated to facillitate its upgrade and an qxygenation system has been installed at the upper end of the canal.

Site History

Prior to European settlement, this area formed a large tidal marsh, drained by Gowanus Creek and surrounded by higher ground to the west (present−day Carroll Gardens) and east (present−day Park Slope).

In the mid 1800s, the Canal was constructed, more or less along the alignment of Gowanus Creek, by straightening and deepening the stream channel and dumping the excavated materials behind rows of timber piles along the shoreline. Combined with other urban filling activities in the surrounding area, the result was a large area of reclaimed land with a dendritic, dead−end canal providing barge access through the middle. The canal offered barge access far inland into Brooklyn, effectively increasing Brooklyn’s available tidewater frontage for water−borne commerce. Development of the area was rapid, and by 1869, the layout of the canal and the local street network were essentially complete.

Long term decline of the local manufacturing economy has led to a marked decrease in commercial use of the Canal, with only a handful of petroleum distributors and concrete batch plants as regular users. Roughly the northern half no longer hosts barge movements as a result of siltation due to the significant CSOs which discharge street waste and sewage solids. The canal has not been dredged in several decades, consequently, substantial amounts of sediment have been deposited in upstream areas, and water depths approach zero at low tide. The sediment consists largely of solids settled from stormwater and CSO discharges. Presumably, industrial discharges to the canal have diminished in line with the de−industrialization of the surrounding neighborhood, although this is difficult to verify directly due to a lack of historical records for comparison.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):

PCB−AROCLOR 1242

DDE

COAL TAR PITCH VOLATILES
LEAD
MERCURY
COPPER

SITE ENVIRONMENTAL ASSESSMENT:

Water quality issues have plagued the Gowanus Canal almost since its construction. Tidal flushing is largely ineffective due to the length, narrowness, and circuitous layout of the canal channel. Operation of the flushing tunnel has improved the situation during the years when flushing was being conducted; however, the current tunnel requires significant upgrades and is likely to be off-line for a year or more as the upgrades are performed. The canal is currently classified by NYSDEC as Class SD water body, acknowledging that natural or man-made conditions limit attainment of higher standards. Even the SD standards are not currently met. Oily sheens are common on the water surface during low tides, dissolved oxygen levels are low and surface contamination has been identified. Sediment quality is also low. Ongoing CSO discharges have resulted in extensive deposits of settled solids, particularly in the more sheltered areas near the upper end. Some parts of the canal bottom are exposed at low tide. Another particularly important contributor to sediment quality problems is the presence of three former manufactured gas plant (MGP sites) along the length of the canal. Although all three MGPs have been closed for decades, coal tar-impacted sediments have been identified at numerous locations along the length of the canal. The three MGPs are all covered by cleanup agreements with NYSDEC, and are at various stages of investigation,remedy selection and implementation.

The Fulton Works, immediately east of the canal at its northern extremity, is in the Remedial Investigation process.

The Carroll Gardens site (also widely known as Public Place) is in the Brownfield Cleanup Program, and is slated for remediation and redevelopment as a mixed commercial/residential project.

The former Metropolitan works, immediately south of the 9th Street bridge, was partially redeveloped under a Voluntary Cleanup Agreement in 2002-2003. However, more work remains to be done-part of the MGP facility lies beneath an active retail building. A Remedial Investigation began in March 2010.

Numerous oil storage and handling facilities, asphalt plants, manufacturing facilities and chemical, paint, fertilizer and plastic manufacturers have, or continue to, operate along the canal.

SITE HEALTH ASSESSMENT:

People using the canal for recreational purposes such as swimming and boating may come into direct contact with chemical contaminants and harmful biological organisms. People should avoid any activity that would result in swallowing or accidentally ingesting Canal water. Additionally, people using the canal for any purposes should wash their hands or shower after contacting the water, especially before eating and at the end of the day. Those people who are considering eating fish and shellfish caught in the Canal should follow the NYSDOH consumption advisory for fish and shellfish taken from the Upper Bay of New York Harbor. This advisory specifically includes:

* The NYSDOH recommends that women of childbearing age and children under the age of 15 not eat any fish from the Canal.

* Other people should eat no gizzard shad, white perch and crab hepatopancreas and crab cooking liquid. Also, other people should eat no more than one meal per month of American eel, Atlantic needlefish, bluefish, rainbow smelt and striped bass.

* People should eat no more than one (1/2 pound) meal per week of all other fish species except blue crab meat (six crabs per week).

The New York State Department of Environmental Conservation has not publicly updated the following fields since 9/2021:

PROJECT COMPLETIONS:

Operable Unit 01 − Remedial Program RTA 1

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation	Sediment & Groundwater	12/31/2010	Actual
Remedial Investigation	Remedial Program	09/30/2013	Actual



BROWNFIELDS SITES INFORMATION REQUEST

THIRD AVENUE YARD **Facility Id: C224245**
222 FIRST STREET, BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: 222 FIRST ST
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224245
CLASSIFICATION CODE: A REGION: 2 DEC ID: 533255
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: Third Avenue Yard
STREET ADDRESS: 222 First Street TOWN: New York City
CITY: Brooklyn ZIP: 11215 COUNTY: Kings

ESTIMATED SIZE: 6.77 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: Consolidated Edison Company of New York, Inc.
Andrea Schmitz
ADDRESS: 4 Irving Place
New York, NY 10003

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: Con Edison
Mary Ellen Conlin, Director − Remediation
ADDRESS: Con Edison
31−01 20th Avenue
Astoria, NY 11105

NAME: Consolidated Edison Company of New York, Inc.
Andrea Schmitz
ADDRESS: 4 Irving Place
New York, NY 10003

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Public Library − Pacific Branch
ADDRESS: 25 4th Avenue
Brooklyn, NY 11217

NAME: Brooklyn Community Board 6
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The BCP site is the Con Edison Third Avenue Yard Service Center located in an urban area in Brooklyn, NY. The Property occupies a city block (approximately 6.77 acres) and is bounded to the north by 1st Street, to the south by 3rd Street, to the west by 3rd Avenue, and to the east by 4th Avenue.

Current Site Features: The Property is entirely covered by contiguous impervious surfaces consisting of buildings, asphalt pavement and concrete. The property is fenced in with secure access points located on 3rd and 1st Streets. Seven functional areas are present at the Property: Stores Building; Operations and Transportation Buildings; Pole/Cable Reel Storage Area; Flush Truck Facility (used to receive and treat flush truck wastes); South Undergound Storage Tanks (UST) Area (contains two 2,500 gallon USTs containing gasoline and diesel fuel); Former North UST Area (previously contained gasoline and diesel USTs) and paved parking lots.

Current Zoning and Land Use: The Property is zoned M1 2 (commercial/industrial). Con Edison currently uses the Property as a utility service center. Operations include indoor storage, pole/cable reel storage, operation of fleet fuel dispensing, auto repair garage, parking of fleet and staff vehicles, administrative offices, and flush truck area. The surrounding area is mostly commercial/light industrial.

Past Use of the Site: The property consisted of a tidal wetland until 1860 when the property was backfilled. A baseball stadium was present until approximately 1918, when it was converted into warehouse space. Between 1918 and the time the Property was acquired by Brooklyn Edison Company, Inc. (predecessor to the current owner) in 1925 the property was used mainly for warehouse

and trucking operations. After being acquired by Brooklyn Edison, the Property has been used as an electric utility work out location. From at least 1933 to 1964, a portion of the Property fronting Fourth Avenue also housed gasoline service stations leased to third party operators. In 1947, a concrete pit was constructed on the southern corner of the property for dewatering sludge recovered from Con Edison electric manholes/vaults. This pit was connected to the municipal sewer and was utilized until 1974 when it was decommissioned and the current Flush Truck facility was constructed in the same location.

Site Geology and Hydrogeology: The subsurface soil includes three primary lithologies that include urban fill, the naturally occurring marsh deposits and underlying sands and silt. The urban fill is continuous across the Property, extends from ground surface to 20 to 25 feet below ground surface ("ft bgs") and consists of sand and silt, gravel, cobbles, concrete, brick, slag, cinders, coal fragments, glass, wood, shells, and metal. Beneath the fill and on top of the silt clay layer are discrete lenses of more coarse grained sand and gravel. Underlying fill at the Property is naturally occurring deposits, which consist primarily of silt, clay and peat. The presence of shell and plant fragments suggests that these are tidal marsh deposits.

The shallow water table occurs in the fill layer beneath the Property at depths ranging from 7 12 ft bgs. Generally, groundwater flow at the property is to the west.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
The majority of the contamination encountered during previous investigations at the site consist of petroleum-related compounds however polychlorinated biphenyls (PCBs) were detected in shallow soil.

Subsurface Soil: Several semi-volatile organic compounds (SVOCs) were detected above industrial soil cleanup objectives (SCOs). For example, naphthalene was detected at 6,500 ppm compared to an commercial SCO of 500 ppm

Surface Soil: PCBs was detected up to 430 ppm compared to an commercial SCO of 1 ppm.

Groundwater: Petroleum dissolved-phase contamination was detected above Ambient Water Quality Standards and Guidance Values. For example, naphthalene was detected at 20,000 parts per billion (ppb) compared to a guidance value of 10 ppb.

Free-phase oil or light non-aqueous phase liquid (LNAPL) was encountered floating of the water table in the northeastern corner of the site where gasoline and diesel underground storage tanks were previously located.

SITE HEALTH ASSESSMENT:
Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:
None reported
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BROWNFIELDS SITES INFORMATION REQUEST

GOWANUS VILLAGE I **Facility Id: C224099**
153 2ND ST A/K/A 322 3RD AVENUE, BROOKLYN, NY 11217

ADDRESS CHANGE INFORMATION
Revised street: 153 2ND ST
Revised zip code: 11215

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224099
CLASSIFICATION CODE: C REGION: 2 DEC ID: 332623
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: Gowanus Village I
STREET ADDRESS: 153 2nd St a/k/a 322 3rd Avenue TOWN: New York City
CITY: Brooklyn ZIP: 11217 COUNTY: Kings

ESTIMATED SIZE: 2.496 Acres

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN−PLACE DATE:
Ground Water Use Restriction	11/03/2017
Cover System	11/03/2017
Groundwater Containment	11/03/2017
Monitoring Plan	11/03/2017
Site Management Plan	11/03/2017
O&M Plan	11/03/2017
IC/EC Plan	11/03/2017
Monitoring Wells	11/03/2017
Environmental Easement	11/03/2017
Soil Management Plan	11/03/2017

CROSS REFERENCES:

IDENTIFIER	SOURCE
08/21/2012	Agreement/Consent Order Date
1609964	Spill No.
2017000371814	County Recording Identifier
C224099-08-12	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: BRT Powerhouse LLC
Katie Dixon
ADDRESS: 98 4th Street
Suite 406
Brooklyn, NY 11231

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: Gemini Arts Initiative, Inc.
Katie Dixon
ADDRESS: 98 4th Street
Suite 406
Brooklyn, NY 11231

NAME: Gemini Arts Subsidiary LLC
Katie Dixon
ADDRESS: 98 4th Street
Suite 406
Brooklyn, NY 11231

NAME: BRT Powerhouse LLC
Katie Dixon
ADDRESS: 98 4th Street
Suite 406
Brooklyn, NY 11231

DOCUMENT REPOSITORY(S):

NAME: Brooklyn Public library - pacific branch
ADDRESS: 25 4th avenue
brooklyn, NY 11217

NAME: Brooklyn Public Library - Park Slope Library
ADDRESS: 431 6th Avenue
Brooklyn, NY 11215

NAME: NYSDEC
Brian Davidson
ADDRESS: 625 Broadway – 12th Fl.
Albany, NY 12233–7016

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The property is an approximately 2.5 acre site located in a commercial/industrial area of Brooklyn at 153 2nd Street a/k/a 322 3rd Avenue. The Gowanus Canal is located adjacent to the site to the northwest.

Site Features: A 24,200 square foot, three story vacant structure occupies the eastern portion of the site. The building has a basement floor that is a 13 foot thick concrete slab that extends below the water table. The remainder of the site is covered by the final site cover system.

Current Zoning and Land Use: The site is currently inactive and is zoned as a manufacturing district (M2–1) by the City of New York. The property uses surrounding the site are primarily light industrial, with a small concentration of residential use. The closest residential properties are located approximately 300 feet to the northeast of the site near the intersection of 3rd Avenue and Carroll Street. The site is bordered to the north by a 60 foot wide filled–in canal (former 1st Street Basin), which is to be restored as part of the Gowanus Canal NPL site remedy. To the east is a storage facility, a Verizon truck depot is located south of the site, and the Gowanus Canal, which is approximately 100 feet wide, lies directly west of the site.

Past Use of the Site: Sanborn maps dating back to 1886 indicate that the site was occupied by Nassau Sulfur Works and Smith and Shaw Mattress Materials and Paper Stock. In 1904, the property was transferred to the Brooklyn Rapid Transit R.R. Power Plant. Under their ownership, it appears that coal was delivered by water and transported beneath the site via coal tunnel. In 1938, the property was turned over to the Williamsburg Power Plant Corporation and used as a central power station. The property was transferred to the New York City Transit System in 1950, where it was used as an electrical sub–station and switching yard until 1996.

Site Geology and Hydrogeology: The site is underlain by urban fill, generally to a depth of about 8 feet, but reportedly ranging to depths up to 24 feet in some areas. Below the fill is a layer of organic silt indicative of a historic wetland. The depth to groundwater ranges from about 7 feet to 20 feet with groundwater movement generally to the northwest toward the Gowanus Canal.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
benzo(a)pyrene
1,4–dichlorobenzene
benzo(a)anthracene
mercury
1,2,4–trimethylbenzene
polychlorinated biphenyls (PCB)
copper
lead
arsenic
barium
chlorobenzene
tetrachloroethene (PCE)

SITE ENVIRONMENTAL ASSESSMENT:
Prior to Remediation: The primary contaminant of concern is polychlorinated biphenyls (PCBs). The PCBs do not appear to be contributing to off site environmental impacts that require additional investigation or remedial action. The contaminants found in each media sampled (soil, groundwater and soil vapor) are summarized below: Soil: Only one post excavation sample (44 ppm PCBs) exceeded the 10 ppm remedial cleanup objective specified in the Decision Document.

The levels of PCB contamination are high under the existing on site building, but the groundwater remedy (LNAPL collection system) will prevent its migration. Groundwater: PCB contaminated LNAPL exists under the existing on site building. The groundwater extraction well system will prevent LNAPL migration. Monitoring the groundwater monitoring well network will illustrate the remedy is protective of public health and the environment.

Soil Vapor: The most significant detection was for tetrachloroethene (perchloroethene or PCE) detected at concentrations up to 1,260 ug/m3 along 2nd Street. Soil Vapor Intrusion evaluations is to be performed for on−site buildings before occupancy is permitted. Post Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCB compounds in soil, and PCB−containing oil atop the groundwater table. Remedial action resulted in attainment of the site specific cleanup objectives throughout the parcel, with all soil below two feet in depth containing less than 10 ppm PCB. The site is now covered with a cover system allowing for restricted residential use. Remaining contamination in soil, groundwater, and soil vapor, if any, is being managed under a Site Management Plan.

SITE HEALTH ASSESSMENT:
Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.

PROJECT COMPLETIONS:
Operable Unit 00 − Site Management

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		12/29/2017	Actual

Operable Unit 01 − Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		02/19/2014	Actual
Remedial Investigation	Remedial Investigation	02/19/2014	Actual
Remedial Action		12/29/2017	Actual

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BROWNFIELDS SITES INFORMATION REQUEST

RED HOOK SMITH STREET **Facility Id: C224163**
627 SMITH ST., BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224163
CLASSIFICATION CODE: A REGION: 2 DEC ID: 476652
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: Red Hook Smith Street
STREET ADDRESS: 627 Smith St. TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 1.96 Acres

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
0500510	Spill No.
224197	DEC Case No.
C224163-03-13	Agreement/Consent Order Number
C224215	BCP Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: Red Hook Developers Holdings, LLC Owner Type: Corporate or Commercial

Emzon Shung
ADDRESS: 1400 Broadway
15th Floor
New York, NY 10018

NAME: CF Smith, LLC Owner Type: Corporate or Commercial
ADDRESS: 404 Fifth Avenue
5th Floor
New York, NY 10018

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: Red Hook Developers Holdings, LLC
Emzon Shung
ADDRESS: 1400 Broadway, 15th Floor
New York, NY 10018

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Public Library
ADDRESS: 10 Grand Army Plaza
Brookklyn, NY 11238

HAZARDOUS WASTE DISPOSAL PERIOD: from unknown to unknown

SITE DESCRIPTION:
Location: The 1.96−acre site is located in an urban area of Brooklyn. The site is bounded by Smith Street to the west, the Gowanus Canal to the east and south, and an industrial property to the north.

Site Features: Two tax parcels comprise the site: Block 493, Lot 1 and Block 495, Lot 1. The site includes approximately 750−linear feet of waterfront along the Gowanus Canal at the mouth of the Gowanus Bay. The site was formerly developed with a one−story warehouse that was demolished in 2018, leaving the site vacant with asphalt and concrete surfaces.

Current Zoning and Land Use(s): The site is zoned M−3, heavy manufacturing which also allows certain retail and commercial uses.

Past Use of the Site: Barrett Manufacturing occupied Block 493 (northern area of the site) circa 1900 to 1940 and utilized nine coal tar storage tanks as part of their production of coal tar and roofing material. The facility also extended to the west of the site (hydraulically up−gradient). After Barrett Manufacturing sold the property in the 1950s, two gasoline underground storage tanks (USTs) were installed on the property. Various manufacturing and storage companies occupied Block 495 (southern part of the site) including: an ice company in the early 1900s; a dock and seaboard storage company from approximately 1930 to 1950; and a cargo line and storage company from the late 1960s to the 1990s.

Site Geology and Hydrogeology: Site topography is relatively flat, gently sloping downward to the east−southeast towards the Gowanus Canal. The site is underlain by historic urban fill that extends to approximately 12 feet below grade surface (bgs). The historic fill generally consisted of sand, silt, clay, gravel, cobbles, with wood and brick fragments, cinder, and ash. A native

clay lens containing some organic material was identified at varying depths (12 to 14 feet bgs). Native fine sand and silt were identified beneath the clay to a depth of 50−feet bgs. Bedrock was not encountered during this investigation. The depth to groundwater is approximately five feet below the ground surface and flows to the east−southeast towards the Gowanus Canal.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
tetrachloroethene (PCE)
toluene
benzene
coal tar
creosote
xylene (mixed)
coal tar pitch volatiles
lead
ethylbenzene
naphthalene

SITE ENVIRONMENTAL ASSESSMENT:
Nature and Extent of Contamination: Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi−volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), and pesticides. Groundwater samples were also analyzed for per− and polyfluoroalkyl substances (PFAS). Soil vapor was analyzed for VOCs. The primary contaminants of concern are coal tar in soil and floating on the groundwater, SVOCs (total) and naphthalene in soil and naphthalene in groundwater.

Soil: The primary soil contamination concern is the presence of coal tar and tar−like material across the site and to a maximum depth of 48 feet below ground surface (bgs). Grossly−impacted soils were observed in a soil boring, in both historic fill from 10−12 feet bgs and native material from 30 to 48 feet bgs, as well as a monitoring well boring from 6 to 27 feet bgs. In addition to the coal tar, SVOCs were detected to a depth of 5 to 6 feet bgs at levels exceeding commercial use soil cleanup objectives (CSCOs) and/or protection of groundwater soil cleanup objectives (PGWSCOs), where applicable, including: total SVOCs up to 18,518 parts per million (ppm), naphthalene up to 7,500 ppm (CSCO 500 ppm and PGWSCO 12 ppm), benzo(a)anthracene up to 31 ppb (CSCO 5.6 ppm), benzo(a)pyrene up to 74 ppm (CSCO 1 ppm), benzo(b)fluoranthene up to 71 ppm (CSCO 5.6 ppm and PGWSCO 1.7 ppm), and indeno(1,2,3−cd)pyrene up to 32 ppm (CSCO 5.6 ppm and PGWSCO 8.2 ppm).

One VOC, 1,2,4−trimethylbenzene, was detected in two locations at 210 ppm and 270 ppm, above its CSCO of 190 ppm.

Metals were detected at levels exceeding CSCOs to a depth of 6 feet bgs as follows: lead up to 15,000 ppm (CSCO 1,000 ppm) and copper up to 2,600 ppm (CSCO 270 ppm).

No PCBs or pesticides were detected in soil above CSCOs.

Site−related soil impacts may be migrating off−site.

Groundwater: Coal tar was encountered beginning near the ground surface and extending well into groundwater, located at approximately 5 feet bgs, to a maximum depth of 47 feet bgs. VOCs detected above Class GA Ambient Water Quality Standard (AWQS) include: benzene up to 550 parts per billion (ppb) (AWQS is 1 ppb), ethylbenzene up to 1,400 ppb (AWQS is 5 ppb), toluene up to 1,500 ppb (AWQS is 5 ppb), total xylene up to 3,200 ppb (AWQS is 5 ppb), and 1,2,4−trimentylbenzene up to 41 ppb (AWQS 5 ppb)..

The following SVOCs were detected above AWQS: naphthalene up to 13,000 ppb (AWQS is 10 ppb), phenol up to 200 ppb (AWQS is 1 ppb), acenaphthene up to 500 ppb (AWQS is 20 ppb), 2,4−dimethylphenol up to 1,100 ppb (AWQS is 50 ppb), anthracene up to 82 ppb

(AWQS is 50 ppb), benzo(b)fluoranthene up to 0.3 ppb (AWQS is 0.002 ppb), benzo(k)fluoranthene up to 0.17 ppb (AWQS is 0.002 ppb), bis(2-ethylhexyl)phthalate up to 7.2 ppb (AWQS is 5 ppb), chrysene up to 0.28 ppb (AWQS is 0.002 ppb), fluorene up to 260 ppb (AWQS is 50 ppb), indeno(1,2,3-cd) up to 0.17 ppb (AWQS is 0.002 ppb), and phenanthrene up to 190 ppb (AWQS is 50 ppb).

For PFAS, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were reported at concentrations up to 126 parts per trillion (ppt) and 41.4 ppt, respectively, exceeding the Maximum Contaminant Level (MCL) (drinking water standard) of 10 ppt each in groundwater. There are no public water supply wells within a half a mile and there is a municipal prohibition for use of groundwater at the site.

PCBs, metals, and pesticides were not detected above AWQS in site groundwater.

Site-related groundwater impacts may be migrating off-site.

Soil Vapor: Fifteen soil vapor samples were collected from approximately two feet bgs and analyzed for VOCs. Results detected benzene, toluene, ethylbenzene and xylene (BTEX) a across the site up to 1,304 micrograms per cubic meter (µg/m3). The chlorinated VOC tetrachloroethene (PCE) was also detected up to 59.2 µg/m3 but is not thought to be site related since PCE was not detected above standards in soil or groundwater at the site.

The data do not indicate any off-site impacts in soil vapor related to this site.

SITE HEALTH ASSESSMENT:

Direct contact with contaminated soil is unlikely because the site is completely fenced, which restricts public access, and is covered by concrete. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in soil vapor (air spaces within the soil), may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern because there are no buildings on-site, however the potential for indoor air impacts via the soil vapor intrusion pathway exists for any future occupied buildings. Sampling indicates soil vapor intrusion is not a concern for off-site structures.

PROJECT COMPLETIONS:

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		09/09/2021	Actual
Remedial Investigation		09/09/2021	Actual

Operable Unit 01A - Sealed-Seam Sheet-Pile Cutoff Wall Along the Gowanus Canal

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design	Sealed Bulkhead and Recovery Wells	02/28/2020	Actual

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BROWNFIELDS SITES INFORMATION REQUEST

GOWANUS CANAL NORTHSIDE **Facility Id: C224080**
UNION, BOND, SACKETT AND DEGRAW STREETS, BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: 510 SACKETT STREET
Revised zip code: 11231−5020

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224080
CLASSIFICATION CODE: A REGION: 2 DEC ID: 57787
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: Gowanus Canal Northside
STREET ADDRESS: Union, Bond, Sackett and DeGraw Streets TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 2.27 Acres

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
2−017574	PBS No.
2−1220	MOSF No.
9810785	Spill No.
C224080−03−15	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: GowCan Owner, LLC Owner Type: Corporate or Commercial

Richard Lam
ADDRESS: 220 Fifth Avenue
9th Floor
New York, NY 10001

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: Gowanus Canal LLC
Daniel Kaplan
ADDRESS: 220 Fifth Avenue, 9th floor
New York, NY 10003

NAME: Gowanus Canal, LLC
Richard Lam
ADDRESS: 220 fifth Avenue, 9th floor
New York, NY 10003

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Community Board 6 Repository Typ: Local Government
District Manager: Craig Hammerman
ADDRESS: 260 Baltic Street
Brooklyn, NY 11201

NAME: Carroll Gardens Branch Library
ADDRESS: 396 Clinton Street
Brooklyn, NY 11231

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The Gowanus Canal Northside site is located in an urban area in the Gowanus section of Brooklyn, NY. The irregularly−shaped site is bounded by DeGraw Street to the north, the Gowanus Canal to the east, Union Street and multiple−story commercial buildings to the south, and Bond Street and multiple−story commercial buildings to the west.

Site Features: The site is comprised of four lots transected by Sackett Street. There are an out−of−service wholesale fuel oil distribution facility with a two−story office building, automobile maintenance garages, a parking lot and equipment storage areas. A 1.5 million gallons aboveground fuel oil storage tank was removed as part of an Interim Remedial Measure completed in 2016.

Current Zoning/Use: The site is located in a M2−1 manufacturing district. The existing buildings have been vacated and the site is currently inactive. The proposed redevelopment is still in early planning stages and is subject to change as potential zoning changes occur.

Historic Use: Historic uses of the site include box manufacturer, coal yard, fuel depot, and service garage.

Site Geology and Hydrogeology: Subsurface strata at the site consist of historic fill (sand, gravel, and silt with varying amounts of asphalt, wood, ash, and coal slag) extending to depths ranging from 4 to 14 feet below ground surface (bgs). The fill layer was underlain by fine sand and silt, with varying percentage of clay increasing with proximity to the Gowanus Canal. Bedrock underlying the site is part of the Hartland Formation, which is comprised of mica schist and quartz-feldspar granulite, with localized intrusions of granite and pegmatite.

Groundwater at the site has been observed at between 9 and 11 feet bgs and most likely flows to the east, toward the Gowanus Canal.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):

arsenic
fluoranthene
n-propylbenzene
indeno(1,2,3-cd)pyrene
lead
naphthalene
benzene, toluene, ethylbenzene and xylenes (BTEX)
isopropylbenzene
1,2,4-trimethylbenzene
acenaphthene
anthracene
benzo(a)anthracene
benzo(b)fluoranthene
chrysene
benzo(a)pyrene
methyl-tert-butyl ether (MTBE)
1,3,5-trimethylbenzene
mercury

SITE ENVIRONMENTAL ASSESSMENT:

Nature and Extent of Contamination: Soil, groundwater and soil vapor samples were collected at the site and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, pesticides and polychlorinated biphenyls (PCBs). Based upon the results of the investigation, the primary contaminants of concern include petroleum related VOCs, SVOCs and metals. Coal tar impacts were also detected which may contribute to the benzene, toluene, ethylbenzene and xylene (Collectively known as BTEX) concentrations at the site.

Soil:
Petroleum impacts were observed across both the northern and southern portions of the site in the vicinity of historic petroleum bulk storage tanks. The contamination was present in the form of odors and staining at various depths ranging from 0 to 24 feet below grade. VOCs detected above their respective restricted residential use soil cleanup objectives (RUSCOs) include 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, benzene, ethylbenzene, naphthalene, and xylene. The contaminants were detected at maximum concentrations of 360; 110; 5.4; 120 3,000; and 210 parts per million (ppm), respectively. SVOCs detected above their RUSCOs include acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-c,d)pyrene, and naphthalene. The contaminants were detected at maximum concentrations of 1,200; 640; 410; 340; 260; 370; 710; 130 and 3,900 ppm, respectively. The metals, arsenic, lead and mercury were also detected above their restricted use cleanup goals at concentrations up to 89; 2,860 and 12 ppm respectively.

In addition, coal tar contamination was observed in several soil boring locations along the bank of the canal at depths ranging from 15 feet to 54 feet.

Groundwater:
Groundwater across the site has been impacted by petroleum related contamination. Light non-aqueous phase liquid was observed in MW-08 and odors and sheens have been observed in the purge water of various monitoring wells. BTEX contaminants and napthalene was detected in several monitoring wells across the site with the heaviest impacts being in the deeper wells located along the canal which are impacted by coal tar. These wells had maximum concentrations detected of 2,700 parts per billion (ppb) for benzene; 2,200 ppb for ethylbenzene; 540 ppb for toluene and 1,500 ppb for xylene. The ambient groundwater standards for each compound is 5 ppb, except for benzene which has a standard of 1 ppb.

Petroleum contamination observed in on-site groundwater includes 1,2,4 trimethylbenzene, isopropylbenzene, n-propylbenzene, and tert-butyl methyl ether (MTBE). These contaminants were detected at maximum respective concentrations of 260,68, 110 and 140 ppb. The ambient groundwater standards for each contaminant is 5 parts per billions (ppb) with the exception of MTBE which has a standard of 10 ppb.

The chlorinated solvents, cis-1,2 dichloroethene and trichloroethene (TCE) were detected in a historic off-site groundwater monitoring well at concentrations of 23 and 10 ppb, respectively. However, there were no detections in any of the on-site wells.

Soil Vapor:
Data collection was limited to soil vapor and ambient air samples. No sub-slab soil vapor samples were collected.

Petroleum related contaminants such as BTEX; 2,2,4-trimethypentane, cyclohexane, isopropanol, 2-butanone, n-heptane and n-hexane were consistently detected in soil vapor samples across the site.

Chlorinated solvents were also detected in soil vapor at the site. Both tetrachloroethene and TCE were detected in numerous soil vapor samples collected across the site with the highest concentrations being 538 and 56 micrograms per cubic meter, respectively.

SITE HEALTH ASSESSMENT:
Since the site is fenced and covered by asphalt or concrete or vacant buildings, people will not come into contact with site-related soil and groundwater contamination unless they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. However, environmental sampling indicates soil vapor intrusion could be a concern for off-site buildings.

PROJECT COMPLETIONS:
Operable Unit 01A - Tank Removal IRM

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Action	Tank Removal	06/14/2016	Actual

Operable Unit 01B - Bulkhead Barrier Wall IRM

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		06/17/2020	Actual

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BROWNFIELDS SITES INFORMATION REQUEST

610 SMITH STREET
610 SMITH STREET, BROOKLYN, NY 11231

Facility Id: C224215

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224215
CLASSIFICATION CODE: A REGION: 2 DEC ID: 507490
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 610 Smith Street
STREET ADDRESS: 610 SMITH STREET TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 0.46 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
224146	HW Site ID
224196	HW Site ID
224197	HW Site ID
C224163	BCP Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: 610 Smith St., LLC Owner Type: Innocent Owner NonRegistry-HazSubs

Herbert Chaves
ADDRESS: 111 John Street, Suite 312
New York, NY 10038

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: 610 Smith St., LLC
Herbert Chaves
ADDRESS: 111 John Street, Suite 312
New York, NY 10038

DOCUMENT REPOSITORY(S):
NAME: Red Hook Library
Sandra Sutton
ADDRESS: 7 Wolcott Street
Brooklyn, NY 11231

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The site is located in the Red Hook section of Brooklyn, in the City of New York at 610 Smith Street and is listed as Block 492, Lot 15 on NYC tax maps. The site is located at the intersections of Halleck Street, Smith Street and Sigourney Streets. The site is approximately 0.46 acres and is located 200 feet west of the Gowanus Canal. The site is a portion of the former tar manufacturing facility currently being investigated by Honeywell International (responsible party).

The site is bounded by NYSDEC BCP Site #C224163 (Red Hook Smith Street) to the east; #C224163 is downgradient of the site. To the south is NYSDEC P–site #224196 (643 Court Street). To the west and upgradient is NYSDEC Site 224146 (633 Court Street – a RCRA corrective action site). To the north is Sigourney Street which has been blocked off at both ends and is used as a storage area by others.

Site Features: The site is primarily covered with a three–story brick building. Parking spaces along Smith Street and Halleck Street are covered by asphalt. Contamination beneath these parking spaces is likley to be present.

Current Zoning and Land Use: The current zoning is "industrial M–3" for low–performing industrial use. The building is primarily used as artist’s studios and warehouses.

Past Use of the Site: The site is a portion of a previous coal tar and tar–paper manufacturing facility operated by Barrett Manufacturing; a predecessor company of Honeywell International. A review of Sanborn maps identified the presence of coal–tar manufacturing facility at this site. Historic as–built drawings depict a tar well (aka tar vault) that extends to nearly the entire footprint of the building/site. The coal tar was manufactured for the production of tar–paper and has similar process vessels as have been found in typical manufactured gas plants (MGPs). The footprint of the Barrett Manufacturing facility includes sites: 224197 (Smith Street at Halleck Street), site 224146 (633 Court Street) and site C224163 (Red Hook Smith Street). Honeywell International is responsible for the Barrett Manufacturing facility remedial investigation and cleanup.

Site Geology and Hydrogeology: The area was previously part of the Gowanus Bay and was filled with anthropogenic material. Based on the geologic information at nearby sites, the base of the fill is typically identified by the presence of a native grey silt/clay layer at a depth of approximately 19’ bgs. Groundwater at this property is approximately 5 feet bgs and is tidally influenced. Groundwater flow has been determined by others to be toward the Gowanus Canal traveling east and/or southeast.

No environmental sampling has been performed to date within the boundaries of the site. Previous investigations by others at adjacent properties have identified NAPL, grossly contaminated soil, VOCs and SVOC as the primary contaminants of concern.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
The results of the 2016, 2017, and 2018 investigations 610 Smith Street building indicate that a tar vault is present in the basement of the building. The tar vault is approximately 150 feet long and 100 feet wide and is located under the northern portion of the building. Currently the basement is flooded and the water suppresses odors that would be produced from the tar.

The Responsible party, Honeywell International, has elected to remediate the presence of the tar vault as an Interim Remedial Measure (IRM). The Department approved approach consists of the following primary elements:
* Establishment of ventilation within the vault and the building.
* Removal and treatment of overlying water prior to discharge to POTW.
* Removal of freely pumpable tar estimated at approximately 100,000-gallons.
* Incorporation of concrete or a similar pozzolanic product into the remaining tar to enhance stability.
* Installation of a lower barrier consisting of a 32-mil geotextile fabric and a 60-mil elastomeric spray-on coating.
* Installation of an upper barrier over the lower barrier consisting of 4 to 6 inches of fiber-reinforced concrete.

SITE HEALTH ASSESSMENT:
Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:
None reported
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BROWNFIELDS SITES INFORMATION REQUEST

473 PRESIDENT STREET − OFF−SITE **Facility Id: C224220A**
473 PRESIDENT STREET, BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224220A
CLASSIFICATION CODE: A REGION: 2 DEC ID: 568180
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 473 President Street − Off−Site
STREET ADDRESS: 473 President Street TOWN: New York City
CITY: Brooklyn ZIP: 11215 COUNTY: Kings

ESTIMATED SIZE:

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
None reported

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
This site is identified as the offsite component of the current Brownfield project located at 473 President Street, site #C224220.

Location: The on-site 473 President Street site is located in an urban area in Brooklyn, Kings County. It is located in the southern portion of Block 440 Lot 12. The Gowanus Canal is approximately 350 ft to the west of the site. Site is bounded by a shuffleboard club to the north, an e-waste recycler to the west, President Street to the south, and a casket company to the east. Fulton Works MGP site is 1 block to the north.

Site Features: The site was comprised of a 1 story warehouse that was recently demolished. Current Zoning and Land Use: The site is an active warehouse for a bicycle company, a furniture maker, and a showroom for a light designer. It is currently zoned for M1-2, commerical to light industrial. The nearest residential area is across President Street.

Past Use of the Site: The on-site has an industrial history back to the 1880s. In 1886 to 1928, the site was a sash and door factory and later a trim and planing mill with machine shop and boilers. In 1938 the Coca-Cola Bottling Co was the operator with two gasoline USTs. In 1969 to the 1990s, the site was occupied by Dolin Metal Manufacturing Co. From 1993 to 2007, the building was occupied by manufacturing and storage. Currently the site is occupied by a furniture maker, a lighting designer, and a bicycle retailer.

There is an open spill from a failed tank test which may have resulted in BTEX-contaminated soils on-site. The spill number is 9412605.

Site Geology and Hydrogeology: The soils of the area consist of urban fill for the top 10 feet. The groundwater is approximately 10 foot below ground surface at the site. Based on the topography of the land, the local groundwater flows in a westerly direction, towards the Gowanus Canal.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
The on-site investigation yielded the following results: Soil was analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs)(only during the pre-application investigation), pesticides, and metals. Groundwater was analyzed for VOCs, SVOCs, pesticides, and metals. Based upon investigations conducted to date, the primary contaminants of concern for the site include TCE, BTEX (Benzene, Toluene, Ethylbenzene, Xylene), naphthalene, Polycyclic Aromatic Hydrocarbons (PAHs - a class of SVOCs), Lead, Mercury, and Arsenic.

Soil - Soil borings were installed and samples collected as part of the remedial investigation. Concentrations exceeding the Commercial SCOs were found for PAHs, arsenic, lead, and mercury. Primarily the top 10 foot of material, known as historic fill, exceeds the SCOs for PAHs, lead, mercury, and arsenic. Spatially, the native materials were most contaminated in the northern corner near a suspected gasoline tank with trichloroethene (TCE) and BTEX.

Groundwater - TCE and its associated degradation products are found in groundwater on the northern half of the site moderately exceeding groundwater standards (5 ug/L) with a maximum concentration of 1300 ug/L. Fuel breakdown products (i.e. BTEX and naphthalene) were found in groundwater on the northern portion of the site at concentrations exceeding the standard near the suspected gasoline tank.

Soil Vapor - TCE, tetrachloroethene (PCE), and cis-1,2-dichloroethene (DCE), were detected in sub-slab soil vapor at significantly elevated concentrations.

ASSESSMENT OF HEALTH PROBLEMS:
Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:
None reported
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INACTIVE HAZARDOUS WASTE DISPOSAL SITE REGISTRY INFORMATION REQUEST

CHEMTURA 688−700 COURT STREET **Facility Id: 224145**
688−700 COURT STREET BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

This facility has been deleted from the reported data. Data reflects last reported information.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224145
CLASSIFICATION CODE: 02 REGION: 2 DEC ID: 442980
CLASSIFICATION CODE DESCRIPTION:
Significant threat to the public health or environment − action required.

NAME OF SITE: Chemtura 688−700 Court Street
STREET ADDRESS: 688−700 Court Street TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 4.375 Acres

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
V00249	VCP Site ID
nyd003907367	RCRA EPA ID No.
witco chemical	Alternate Site Name

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: Pearl Realty Management LLC Owner Type: Corporate or Commercial
Simmy 'Mark' Moskowitz
ADDRESS: 155 Water St − 3rd Floor
Brooklyn, NY 11201

OWNER(S) DURING DISPOSAL:

CURRENT ON-SITE OPERATOR(S):
NAME: VIP Second, LLC
David Podolsky
ADDRESS: 757 Clinton St
Brooklyn, NY 11231
Operator Type: Corporate or Commercial

NAME: Pearl Realty Management LLC
ADDRESS: 155 Water St - 3rd Floor
Brooklyn, NY 11201
Owner Type: Corporate or Commercial

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location:
The site is located at 688-700 Court Street within the Red Hook Industrial area of Brooklyn. The site is located southwest of the Court Street and Halleck Street intersection.

Site Features:
The site is relatively flat and mostly covered with blacktop and concrete. A small area in the southeast corner has a soil cover. Several previously decommissioned site buildings were either removed or rehabilitated without the Department's approval. The site is occupied by several tenants including a garbage hauling company, a motor coach repair facility, an electronics distribution warehouse, a commercial laundry repair business, a stone cutting business, a paper products warehouse, and a sheet metal fabricator. The dual-phase extraction remedial system is not operational. The site is surrounded with a concrete wall of varying heights.

Current Zoning/Use(s):
The site is zoned for industrial use, though its current use is commercial and industrial. The surrounding parcels are currently used for a combination of commercial, light industrial and recreational uses. The site is bordered immediately to the east by Court Street, National Grid and Spentonbush Red Star Companies, to the west by Clinton Street and American Import Export Trucking and to the south by Bryant Street and a Buckeye, LLC oil terminal. A recreational park (Red Hook Recreational) is located immediately to the north of the site.

Past Use of the Site:
Milliken Brothers Iron Works occupied the southwestern portion of the site in 1904. In 1939 John F. McKenna, Inc. Lumber Yard, Marine Canvas Supply Corporation and John Menton Boiler Maker occupied the site. The site remained a lumberyard and marine canvas supply business until approximately 1958, when manufacturing at the site began. Historic manufacturing processes at the site include production of metallic-organic soaps and salts, phosphates and epoxy plasticizers. A hot-oil system, that used PCB containing oil, was part of the manufacturing process.

Contamination at the site appears related to several historic operations, including materials handling from the chemical manufacturing processes, as well as releases to the environment from the hot oil system.

Site Geology and Hydrogeology:
The site was formed by backfilling the marsh and waterfront areas of the Gowanus Canal in the late 1800s through the early 1900s.

Fill material consisting of fine to coarse sand-sized particles with varying amounts of silt and miscellaneous debris (ash, slag, coal, wood, brick, concrete, etc.) was observed across the site from ground surface to a depth of 12 ft. A clay layer of unkown thickness or continuity was encountered beneath the fill material. This layer is presumed to be the former base of the Gowanus Canal. The effectiveness of this layer as a low-permeability barrier between the overlying fill and the underlying water-bearing zone located within the glacial deposits beneath the site is unknown.

Based on the manmade coastline (rip-rap, pile sheeting), well gauging data and the generalized hydrogeological cross-sections, a horizontal and somewhat radial (north, northwest, west, southwest, south) pathway for groundwater flow exists. Depth to water beneath the site has ranged from 2.0 ft to 9.0-ft bgs over the course of investigation. Groundwater beneath the site is minimally influenced by the tide. Groundwater flow is radial with a high point in the central part of the site.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):

- BENZENE
- TOLUENE
- ACETONE
- NAPHTHALENE
- PHENOL
- POLYCHLORINATED BIPHENYLS (PCB)
- XYLENE (MIXED)

SITE ENVIRONMENTAL ASSESSMENT:

Nature and Extent of Contamination:

Based on investigations conducted to date onsite soil, groundwater and soil vapor have been investigated to a depth of approximately 19’ bgs. Soil and groundwater have been sampled for VOCs, SVOC, metals, PCBs and pesticides. Onsite soil vapor has been analyzed for VOCs. Most of the off site sampling of the soil was limited to PCB analyses. A small percentage of off site soil samples were analyzed for VOCs, SVOCs, metals, PCBs and pesticides. Off site soil sampling was nearly exclusively limited to elevations above the water table. A limited number of groundwater samples were collected the has analyzed for VOC, SVOCs, metals and PCBs (groundwater samples were not analyzed for pesticides). Soil vapor sampling was limited to onsite locations and samples were analyzed for VOC by TOC-15 (full list). The primary contaminants of concern at the site include LNAPL, petroleum related compounds, phenolic compounds, metals and PCBs.

LNAPL: LNAPL has been detected in various wells at various times across the entire site and one off-site well. A LNAPL recovery system operated from 2004 to 2007 when PBCs were identified in the LNAPL. Areas where LNAPL recovery was deemed complete were subsequently identified as having LNAP reappear. Currently the RP is performing monthly gauging and recovery (as needed) of any observed LNAPL.

Soil: BTEX is found in soil from the ground surface to the water table throughout a significant portion of the site. Xylenes were detected at concentrations up to 560 parts per million (ppm)(unrestricted use soil cleanup objective [UUSCO] of 1.6 ppm); benzene was detected as high as 5.3 ppm (UUSCO of 0.06 ppm.) The highest concentrations of xylenes are located at the east side of building 14 and north of building 19. The SVOCs phenol; 2,4-dichlorophenol and naphthalene are found in soil from the ground surface to the water table throughout the center of the site. SVOCs, carcinogenic PAHs and metals are found throughout the site. Carcinogenic PAHs (up to 100 ppm) and metals (4,370 ppm for lead; 1,420 ppm for barium and 305 ppm for cadmium) were detected well above UUSCOs. PCBs are found in soil at concentrations as high as 320 ppm. PCB contamination is located near buildings 13 and 14 in the north and northwestern part of the property where the hot oil system was located and operated.

Groundwater: Contaminated soil is a source of groundwater contamination. Benzene is found in groundwater above the groundwater standard of 1 part per billion (ppb) at concentrations as high as 3,400 ppb. SVOCs in soil from the use of tar in the

manufacturing of tar paper are of a source of groundwater contamination. For example, naphthalene is found in groundwater as high as 5,500 ppb (groundwater standard 10 ppb.) Non-aqueous phase material, in the form of tar and less viscous oil, is found in the environment.

Soil Vapor: Low-level contamination was detected in the soil vapor samples collected onsite. To date there has been no off-site soil vapor investigations. The Department, in consultation with the NYSDOH, approved a January 2016 Vapor Intrusion Report. Based on the report, NYSDOH has determined that no additional onsite sampling or monitoring is required at this time. Subsequently LNAPL has been identified near the southeast site boundary in close proximity to off-site buildings. Due to the new observance of the LNAPL, the NYSDOH has determined that soil vapor sampling is required in the area of these two off-site buildings. In the fall/winter of 2018 the Department approved a supplemental work plan for the collection of these samples. To date this sampling has not been performed.

SITE HEALTH ASSESSMENT:

Access to the site is restricted. However, persons who enter the site could contact contaminants in the soil by walking on the site, digging or otherwise disturbing the soil. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Sampling indicates soil vapor intrusion is not occurring on-site and is not a concern for off-site buildings.

PROJECT COMPLETIONS:

None reported



BROWNFIELDS SITES INFORMATION REQUEST

240 HUNTINGTON STREET **Facility Id: C224314**
240 HUNTINGTON STREET, BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224314
CLASSIFICATION CODE: A REGION: 2 DEC ID: 608334
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 240 Huntington Street
STREET ADDRESS: 240 Huntington Street TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 1.15 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: 300 Huntington Street LLC Owner Type: Corporate or Commercial
Zachary Somsel-Longmore
ADDRESS: 155 3rd Street
Brooklyn, NY 11231

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: 300 Huntington Street LLC
Zachary Somsel−Longmore
ADDRESS: 155 3rd Street
Brooklyn, NY 11231

DOCUMENT REPOSITORY(S):
NAME: Carroll Gardens Branch Library
n/a
ADDRESS: 396 Clinton Street
Brooklyn, NY 11231

NAME: Brooklyn ommunity Board 6
Michael Racioppo
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201−6401

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The site is identified as Brooklyn Tax Block 477, Lot 8 and is located on the city block bounded by Huntington Street to the north, the Gowanus Canal to the east, 9th Street to the south, and Smith Street to the west. The subject property occupies an area of 49,854 square feet (about 1.15 acres) in the northeastern portion of a city block, and is bound to the south and west by a Metropolitan Transit Authority (MTA) easement containing an elevated New York City Transit (NYCT) structure.

Site Features: The site is currently vacant and has been used for parking since February 1, 2018. The site cover consists of about 6 inches of gravel. The site elevation ranges from approximately elevation (el) 10.5 to el 16. The site is generally flat and slopes down gradually to the east; the general topographic gradient of the surrounding area slopes gradually to the east towards the Gowanus Canal. A new steel sheet pile bulkhead was installed along the eastern portion of the site and completed in February 2020. As part of the construction, dead man piles were installed about 50 feet inland of the canal, connected to the bulkhead with double channel wales. Sheet piles were installed to approximately el −45.

Current Zoning and Land Use: The site is zoned for industrial/manufacturing use. The entire site is located in the M2−1 manufacturing district. The surrounding area includes commercial, industrial, residential, and transportation/utility buildings, as well as vacant lots, construction sites, and open space.

Past Use of the Site: Historical use of the site includes a contractor’s yard with concrete mixing plant equipment from as early as 1915, an automobile house with a gasoline tank from as early as 1938 until at least 1950, and a blacksmith from as early as 1938 until at least 1969.

Concrete equipment was demolished by the end of 2017. A new bulkhead along the eastern portion of the site was constructed and completed in February 2020. During excavation of a trench for the installation of dead man piles, two areas of soils exhibiting petroleum−like impacts were encountered at about 4 feet below grade surface (bgs) at the base of the trench. The soils were dark

gray to black, exhibited petroleum-like odors, and returned photoionization detector (PID) readings up to 103 parts per million (ppm). Based on these findings, a spill was reported the assigned NYSDEC Spill No. 1908119.

Site Geology and Hydrogeology: Historic fill is present from surface grade to about 8 feet bgs, intersected by an approximately 8-inch concrete slab about 4 feet bgs. The fill layer is about 9 to 23 feet thick across the site and consists of gray-brown sand with varying amounts of silt, gravel, cobbles, bricks, roots, and wood. The fill was underlain by fine sand with varying amounts of silt. An approximately 4 foot layer of dark gray clay was observed from approximately 22 to 26 feet bgs. Beneath the clay, the soil consisted of dark brown to black, fine- to medium-grained sands with varying amounts of silt.

A February 2018 Geotechnical Memorandum described Glacial deposits were encountered below the estuarine deposits in. The top of the glacial deposit was observed about 17 to 20 feet below the top of the existing bulkhead (corresponding to el -14 to -17). The glacial deposits consisted typically of dark-brown to gray-brown medium to fine sand with varying amounts of silt, clay, and gravel. Lenses of fine sandy silt were occasionally encountered at the top of this layer.

Bedrock in the area is part of the Hartland Formation and is expected at about 150 feet bgs.

The groundwater flow direction for the area surrounding the site is tidally influenced. Shallow, intermediate, and deep groundwater flow east towards Gowanus Canal. Groundwater underlying the site was observed at about 8 feet bgs.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
1,2,4-trimethylbenzene
benzo(a)anthracene
ethylbenzene
tetrachloroethene (PCE)
benzo(a)pyrene
benzo(b)fluoranthene
copper
xylene (mixed)
benzene
chrysene
1,3,5-trimethylbenzene
lead

SITE ENVIRONMENTAL ASSESSMENT:
Nature and Extent of Contamination: Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and pesticides. Soil vapor was analyzed for VOCs. Based upon investigations conducted to date, the primary contaminants of concern include petroleum VOCs, SVOCs and metals in soil, petroleum VOCs in groundwater, and chlorinated VOCs in soil vapor.

Soil: Soil data were compared to Commercial Use Soil Cleanup Objectives (CSCOs) and Protection of Groundwater Soil Cleanup Objectives (PGSCOs). Contaminants of concern are VOCs, SVOCs, and metals to a depth of approximately 10 feet below grade. Petroleum-related VOCs identified include 1,2,4-trimethylbenzene at a maximum concentration of 430 parts per million (ppm) (CSCO: 190 ppm and PGSCO: 3.6 ppm), 1,3,5-trimethylbenzene at a maximum concentration of 160 ppm (CSCO: 190 ppm and PGSCO: 8.4 ppm), benzene at a maximum concentration of 60 ppm (CSCO: 44 ppm and PGSCO: 0.06 ppm), and total xylenes at a maximum concentration 720 ppm (CSCO: 500 ppm and PGSCO: 1.6 ppm). SVOCs found include benzo(a)anthracene at a maximum concentration of 10.8 ppm (CSCO: 5.6 ppm and PGSCO: 1 ppm), benzo(a)pyrene at a maximum concentration of 9.28 ppm (CSCO: 1 ppm and PGSCO: 22 ppm), and benzo(b)fluoranthene at a maximum concentration of 8.66 (CSCO: 5.6 ppm and PGSCO: 1.7 ppm). Metals found include copper at a

maximum concentration of 737 ppm (CSCO: 270 ppm and PGSCO: 1,720 ppm) and lead at a maximum concentration of 1,750 ppm (CSCO: 270 ppm and PGSCO: 450 ppm). Coal tar was identified in on-site borings from 35-60 feet below grade surface. Coal tar impacts will be further delineated under a phase design investigation under the remedial action work plan. No PCBs or pesticides were detected at concentrations exceeding the CSCOs. Data does not indicate any off-site impacts in soil related to this site. Perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were reported at concentrations below soil cleanup guidance values for commercial use and protection of groundwater within soil. Data do not indicate any off-site impacts in soil related to the site.

Groundwater: Groundwater data was compared to the Department's Ambient Water Quality Standards (AWQS). Contaminants of concern are VOCs, SVOCs, and metals. VOCs identified include 1,2,4-trimethylbenzene at a maximum concentration of 1,190 parts per billion (ppb) (AWQS: 5 ppb), 1,3,5-trimethylbenzene at a maximum concentration of 353 ppb (AWQS: 5 ppb), benzene at a maximum concentration of 7,650 ppb (AWQS: 5ppb), ethylbenzene at a maximum concentration of 1,420 ppb (AWQS: 5ppb), m,p-xylene at a maximum concentration of 3,320 ppb (AWQS: 5 ppb), and o-xylene at a maximum concentration of 821 ppb (AWQS: 5 ppb). The SVOC chrysene was found at a maximum concentration of 1.33 ppb (AWQS: 0.002 ppb). For metals, lead was found at a maximum concentration of 6,360 ppb (AWQS: 300 ppb). Perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were reported at concentrations of up to 126 and 51.8 parts per trillion (ppt), respectively, exceeding the Maximum Contaminant Level (drinking water standard) of 10 ppt in groundwater. Data do not indicate any off-site impacts in groundwater related to the site.

Soil Vapor: Nine soil vapor samples were collected throughout the site during the RI. Tetrachloroethene (PCE) was detected at a maximum concentration of 62 micrograms per cubic meter (ug/m3), benzene was detected at a maximum concentration of 5,300 ug/m3, and ethylbenzene was detected at a maximum concentration of 570 ug/m3. Data do not indicate any off-site impacts in soil vapor related to the site.

SITE HEALTH ASSESSMENT:

Access to the site is restricted by a fence. People who enter the site may come into contact with site-related soil and groundwater contamination if they dig below the surface. People are not drinking the contaminated groundwater because the area is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because there is no on-site building, inhalation of site contaminants in indoor air due to soil vapor intrusion does not represent a concern for the site in its current condition. However, the potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on-site development. In addition, environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

PROJECT COMPLETIONS:

None reported

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BROWNFIELDS SITES INFORMATION REQUEST

GOWANUS VILLAGE I **Facility Id: C224099**
153 2ND ST A/K/A 322 3RD AVENUE, BROOKLYN, NY 11217

ADDRESS CHANGE INFORMATION
Revised street: 153 2ND ST
Revised zip code: 11215

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224099
CLASSIFICATION CODE: C REGION: 2 DEC ID: 332623
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: Gowanus Village I
STREET ADDRESS: 153 2nd St a/k/a 322 3rd Avenue TOWN: New York City
CITY: Brooklyn ZIP: 11217 COUNTY: Kings

ESTIMATED SIZE: 2.496 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN-PLACE DATE:
Ground Water Use Restriction	11/03/2017
Cover System	11/03/2017
Groundwater Containment	11/03/2017
Monitoring Plan	11/03/2017
Site Management Plan	11/03/2017
O&M Plan	11/03/2017
IC/EC Plan	11/03/2017
Monitoring Wells	11/03/2017
Environmental Easement	11/03/2017
Soil Management Plan	11/03/2017

CROSS REFERENCES:

IDENTIFIER	SOURCE
08/21/2012	Agreement/Consent Order Date
1609964	Spill No.
2017000371814	County Recording Identifier
C224099-08-12	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: BRT Powerhouse LLC
Katie Dixon
ADDRESS: 98 4th Street
Suite 406
Brooklyn, NY 11231

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: Gemini Arts Initiative, Inc.
Katie Dixon
ADDRESS: 98 4th Street
Suite 406
Brooklyn, NY 11231

NAME: Gemini Arts Subsidiary LLC
Katie Dixon
ADDRESS: 98 4th Street
Suite 406
Brooklyn, NY 11231

NAME: BRT Powerhouse LLC
Katie Dixon
ADDRESS: 98 4th Street
Suite 406
Brooklyn, NY 11231

DOCUMENT REPOSITORY(S):

NAME: Brooklyn Public library - pacific branch
ADDRESS: 25 4th avenue
brooklyn, NY 11217

NAME: Brooklyn Public Library - Park Slope Library
ADDRESS: 431 6th Avenue
Brooklyn, NY 11215

NAME: NYSDEC
Brian Davidson
ADDRESS: 625 Broadway – 12th Fl.
Albany, NY 12233–7016

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The property is an approximately 2.5 acre site located in a commercial/industrial area of Brooklyn at 153 2nd Street a/k/a 322 3rd Avenue. The Gowanus Canal is located adjacent to the site to the northwest.

Site Features: A 24,200 square foot, three story vacant structure occupies the eastern portion of the site. The building has a basement floor that is a 13 foot thick concrete slab that extends below the water table. The remainder of the site is covered by the final site cover system.

Current Zoning and Land Use: The site is currently inactive and is zoned as a manufacturing district (M2–1) by the City of New York. The property uses surrounding the site are primarily light industrial, with a small concentration of residential use. The closest residential properties are located approximately 300 feet to the northeast of the site near the intersection of 3rd Avenue and Carroll Street. The site is bordered to the north by a 60 foot wide filled–in canal (former 1st Street Basin), which is to be restored as part of the Gowanus Canal NPL site remedy. To the east is a storage facility, a Verizon truck depot is located south of the site, and the Gowanus Canal, which is approximately 100 feet wide, lies directly west of the site.

Past Use of the Site: Sanborn maps dating back to 1886 indicate that the site was occupied by Nassau Sulfur Works and Smith and Shaw Mattress Materials and Paper Stock. In 1904, the property was transferred to the Brooklyn Rapid Transit R.R. Power Plant. Under their ownership, it appears that coal was delivered by water and transported beneath the site via coal tunnel. In 1938, the property was turned over to the Williamsburg Power Plant Corporation and used as a central power station. The property was transferred to the New York City Transit System in 1950, where it was used as an electrical sub–station and switching yard until 1996.

Site Geology and Hydrogeology: The site is underlain by urban fill, generally to a depth of about 8 feet, but reportedly ranging to depths up to 24 feet in some areas. Below the fill is a layer of organic silt indicative of a historic wetland. The depth to groundwater ranges from about 7 feet to 20 feet with groundwater movement generally to the northwest toward the Gowanus Canal.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
benzo(a)pyrene
1,4–dichlorobenzene
benzo(a)anthracene
mercury
1,2,4–trimethylbenzene
polychlorinated biphenyls (PCB)
copper
lead
arsenic
barium
chlorobenzene
tetrachloroethene (PCE)

SITE ENVIRONMENTAL ASSESSMENT:
Prior to Remediation: The primary contaminant of concern is polychlorinated biphenyls (PCBs). The PCBs do not appear to be contributing to off site environmental impacts that require additional investigation or remedial action. The contaminants found in each media sampled (soil, groundwater and soil vapor) are summarized below: Soil: Only one post excavation sample (44 ppm PCBs) exceeded the 10 ppm remedial cleanup objective specified in the Decision Document.

The levels of PCB contamination are high under the existing on site building, but the groundwater remedy (LNAPL collection system) will prevent its migration. Groundwater: PCB contaminated LNAPL exists under the existing on site building. The groundwater extraction well system will prevent LNAPL migration. Monitoring the groundwater monitoring well network will illustrate the remedy is protective of public health and the environment.

Soil Vapor: The most significant detection was for tetrachloroethene (perchloroethene or PCE) detected at concentrations up to 1,260 ug/m3 along 2nd Street. Soil Vapor Intrusion evaluations is to be performed for on-site buildings before occupancy is permitted. Post Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCB compounds in soil, and PCB-containing oil atop the groundwater table. Remedial action resulted in attainment of the site specific cleanup objectives throughout the parcel, with all soil below two feet in depth containing less than 10 ppm PCB. The site is now covered with a cover system allowing for restricted residential use. Remaining contamination in soil, groundwater, and soil vapor, if any, is being managed under a Site Management Plan.

SITE HEALTH ASSESSMENT:
Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.

PROJECT COMPLETIONS:
Operable Unit 00 - Site Management

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		12/29/2017	Actual

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		02/19/2014	Actual
Remedial Investigation	Remedial Investigation	02/19/2014	Actual
Remedial Action		12/29/2017	Actual



BROWNFIELDS SITES INFORMATION REQUEST

USPS GOWANUS SITE, FORMER MGP METROPOLIT **Facility Id: V00405**
2ND AVENUE AND 12TH STREET, BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: 2ND AVE / 12TH ST
Revised zip code: NO CHANGE

Brownfield Program: Voluntary Cleanup Program

Volunteer: FC GOWANUS ASSOCIATE
United States Postal Service

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
VOLUNTARY CLEANUP PROGRAM

SITE CODE: V00405
CLASSIFICATION CODE: C REGION: 2 DEC ID: 58108
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: USPS Gowanus Site, former MGP Metropolit
STREET ADDRESS: 2nd Avenue and 12th Street TOWN: New York City
CITY: Brooklyn ZIP: 11215 COUNTY: Kings

ESTIMATED SIZE: 9.4 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
00-TEMP-03-20(I	Haz. Substance ID
224046	HW Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):

NAME: UNITED STATES POSTAL SERVICE NY FACI Owner Type: Missing Code in Old Data
ADDRESS: 2 HUDSON PLACE 5TH FLOOR
HOBOKEN, NJ 07030-5502

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: United States Postal Service Applicant Type: Missing Code in Old Data
ADDRESS:

NAME: FC GOWANUS ASSOCIATES, L.L.C. Applicant Type: Missing Code in Old Data
ADDRESS: ONE METRO TECH CENTER NORTH
BROOKLYN, NY 11201

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
The USPS Gowanus Site, (also known as the K – Metropolitan MGP, site 224046) is located between Gowanus Canal, 11th St. Basin, 12th Street, and Second Ave., Brooklyn, NY 11215. Commercial operations on the site include a Lowes home improvement center and the former Pathmark Supermarket building. Other commercial businesses in the area include an oil distribution terminal, a garbage truck maintenance facility, a school district warehouse, a cement mixing facility, a rental truck company, and a junk yard. Residential areas exist within a few blocks of the site.

From 1880 to the late 1930's, the Metropolitan Works manufactured gas plant (MGP) operated on the site. Commercial buildings, including a 4 story post office, have been built on the remaining foundations of the MGP. The US Postal Service Gowanus operated until 2000, when it was demolished for redevelopment. During the demolition and regrading of the site, the MGP gas holders were discovered, full of tar mixed with construction debris. The MGP tars have significantly contaminated soil and groundwater.

In 2002-2003 approximately 34,000 tons of contaminated material was excavated, transported and thermally treated off-site under a Voluntary Cleanup Program remediation agreement. A release and covenant not to sue was issued on August 6, 2003.

Additional information on the investigation and remediation of the Metropolitan site can be located using the site ID, 224046.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
coal tar pitch volatiles

SITE ENVIRONMENTAL ASSESSMENT:
Nature and Extent of Contamination: Soil and groundwater samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals. Soil vapor samples were also analyzed for VOCs. Based upon investigations conducted to date, the primary contaminant of concern for the site is coal tar. Coal tar is a dark, oily liquid which was produced as a byproduct of manufactured gas plant (MGP) operations, and which leaked from subsurface structures and pipes into the surrounding soil. It contains both volatile and semi-volatile organic compounds. Specific volatile organic compounds (VOCs) of concern are benzene, toluene, ethylbenzene and xylenes (BTEX). Specific semi-volatile organic compounds (SVOCs) of concern are polycyclic aromatic hydrocarbons (PAHs). Coal tar belongs to a category of environmental contaminants known as non-aqueous phase liquids (NAPLs). Although NAPLs do not readily dissolve in water, they can dissolve to a small degree over long time periods,

thus contaminating the groundwater which comes into contact with NAPL wastes. This contaminated water can then move along with natural groundwater flow beyond the contaminated source areas.

In 2002/2003 two interim remedial measures were completed.

The first, approximately 34,000 tons of material contaminated with MGP byproducts were excavated, transported and thermally treated off-site. The second, a series of coal tar recovery wells were installed in an excavated trench. During the installation of the recovery wells approximately 900 tons of soil contaminated with coal tar was removed and transported off-site for disposal. Monitoring and recovery of coal tar from the wells has been ongoing since 2003.

The Interim Remedial Measures were conducted under the supervision of the NYSDEC manufactured gas plant program under a voluntary cleanup agreement.

SITE HEALTH ASSESSMENT:

Public water is provided to the area, thereby preventing exposures to groundwater. Most of the contaminated soil has been removed from the site. The site has been redeveloped at into a retail store and the entire site has been covered with a building, pavement or landscaped areas, thereby preventing direct contact with residual contamination.

PROJECT COMPLETIONS:

Operable Unit 01 - Holder Area - Metropolitan MGP

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		03/15/2001	Actual
Remedial Design		12/06/2001	Actual
Remedial Action		02/20/2003	Actual

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BROWNFIELDS SITES INFORMATION REQUEST

WHOLE FOODS SITE **Facility Id: C224100**
214 3RD ST., BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224100
CLASSIFICATION CODE: C REGION: 2 DEC ID: 333299
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: Whole Foods Site
STREET ADDRESS: 214 3rd St. TOWN: New York City
CITY: Brooklyn ZIP: 11215 COUNTY: Kings

ESTIMATED SIZE: 2.101 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN-PLACE DATE:
Ground Water Use Restriction	11/04/2011
Cover System	11/04/2011
Landuse Restriction	11/04/2011
Building Use Restriction	11/04/2011
Monitoring Plan	11/04/2011
Site Management Plan	11/04/2011
O&M Plan	11/04/2011
IC/EC Plan	11/04/2011
Environmental Easement	11/04/2011
Soil Management Plan	11/04/2011

CROSS REFERENCES:

IDENTIFIER	SOURCE
0501334	Spill No.
2011000389393	County Recording Identifier
w2-1052-05-02	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: 190-220 Third Street Store Brooklyn NY, LLC Owner Type: Innocent Owner NonRegistry-HazSubs
Mark Mobley
ADDRESS: 930 Sylvan Avenue
Englewood Cliffs, NJ 07632

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: 190-220 Third Street Store Brooklyn NY, LLC
Mark Mobley
ADDRESS: 930 Sylvan Avenue
Englewood Cliffs, NJ 07632

NAME: Whole Foods Market Group, Inc.
Christina Minardi
ADDRESS: 930 Sylvan Ave.
Englewood Cliffs, NJ 07632

DOCUMENT REPOSITORY(S):

NAME: New York City Public Library
Ms. Cheryl Powell
ADDRESS: Carroll Gardens Branch
396 Clinton Street
Brooklyn, NY 11231

NAME: Brooklyn Community Board #6
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The Whole Foods site is located in the vicinity of the intersection of 3rd Street and 3rd Avenue in Kings County, NY.

Site Features: The site consists of approximately 2.101-acres with a building operating as a food store and parking. The site is fenced and is bordered on the south by 4th Street Basin (Gowanus Canal), on the north by 3rd Street, on the west by privately

owned real property, and on the east by 3rd Avenue.

Current Zoning/Uses: The property is zoned as "medium manufacturing" in a commercial area. The site is currently owned by 190−220 Third Street Store, LLC and has a building operating as a food store. The surrounding parcels are currently used for a combination of mixed light industrial, commercial and residential. The closest residential area is believed to be on 4th Avenue.

Historical Uses: The subject site formerly consisted of several interconnected buildings and an open rear area that bordered the Gowanus Canal. The buildings' prior uses that appear to have led to possible contamination include a coal yard, oil company, and junkyard and auto repair business. All buildings have been demolished.

Site Geology and Hydrogeology: The Site is underlain by urban fill that varies in thickness from approximately 5 feet to 25 feet. The urban fill is underlain by an organic layer composed of varying proportions of silt and clay that varied in thickness from approximately 10 feet to 25 feet. The top of the organic layer likely represents the original surface of the Site, prior to filling in the late 1800s. The organic layer is underlain by a mixture of fine to coarse sands with increasing percentages of gravel and coarser sands with depth (coarsening downward sequence). Exploration borings were advanced to a total depth of approximately 77 feet below grade. The bedrock surface was not encountered in any of the test borings.

Shallow groundwater is present in the overburden fill material beneath the Site. Groundwater is tidally influenced, but generally flows toward the 4th Street Basin in both high and low tide conditions. The groundwater level within the overburden aquifer ranges from an elevation of approximately 3 feet at the northwest boundary of the site to an elevation of approximately 8 feet in the southeast boundary of the site.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):

- NAPHTHALENE
- LEAD
- MERCURY
- BENZO(A)PYRENE
- PHENOL
- CADMIUM
- ACENAPHTHENE
- BENZENE
- XYLENE (MIXED)

SITE ENVIRONMENTAL ASSESSMENT:

Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were associated with historic fill material, including semi−volatile organic compounds (specifically PAHs) and metals.

Residual contamination at site will be managed in accordance with the Site Management Plan to ensure compliance with all the institutional/engineer controls required by the environmental easement.

SITE HEALTH ASSESSMENT:

Since some contaminated soils remain at the site below clean backfill, people will not come in contact with contaminated soils unless they dig below the surface. People are not expected to come into direct contact with contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into the overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site−related contaminants of concern due to vapor intrusion does not represent a current concern. Furthermore, environmental sampling indicates soil vapor intrusion is not a concern for off−site buildings.

PROJECT COMPLETIONS:

Operable Unit 00 − Site Management

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		03/30/2012	Actual

Operable Unit 01 − Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design	Remedial Design	05/03/2007	Actual
Remedial Investigation		05/03/2007	Actual
Remedial Action		03/30/2012	Actual

Operable Unit 01A − IRM − Underground Storage Tank Removal

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Action		03/30/2007	Actual

Operable Unit 01B − IRM − Soil Excavation

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Action		03/30/2007	Actual



INACTIVE HAZARDOUS WASTE DISPOSAL SITE REGISTRY INFORMATION REQUEST

643 COURT ST.
643 COURT ST. BROOKLYN, NY 11231

Facility Id: 224196

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224196
CLASSIFICATION CODE: P REGION: 2 DEC ID: 498440
CLASSIFICATION CODE DESCRIPTION:
Potential site

NAME OF SITE: 643 Court St.
STREET ADDRESS: 643 Court St. TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 1.377 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: Red Hook Realty Co. (LLC) Owner Type: Corporate or Commercial
David Weinberger
ADDRESS: 88 Mineola Ave.
PO Box 1356
Roslyn Heights, NY 11577

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:
NAME: National Grid
Richard Schmitz
ADDRESS:
NY

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The site is located in the Red Hook section of Brooklyn, in the City of New York. The site is listed as Block 494, Lot 1 and is located on the south east corner of Court St. and Halleck St. in close proximity to the Gowanus Canal. An off site area has been designated Operable Unit 2 (OU2). This area is the southeast portion of the Red Hook Park's Soccer Field 1.

Site Features: The site is currently a parking lot with a small building near the middle of the site occupying approximately 1/8th of the property acreage. OU2 is an public park with walking paths and a soccer field with an artificial surface.

Current Use: The site is currently leased from Red Hook Realty Co. by National Grid who is using the site as a parking lot for their service vehicles. OU2 is a park and is open to the public.

Historical Use: The property was used for tar paper manufacturing as depicted in the 1886 Sanborn map which shows tar pitch storage areas on the corners of Smith St./Halleck St. and Court St./Halleck St. OU2 has been a public park since the 1940s.

Site Geology and Hydrogeology: Based on geological information at an adjacent site, the groundwater at this property is anticipated to be less than 5 feet bgs. Groundwater flow is anticipated to flow radially from the Gowanus Canal traveling north, northwest, west, southwest, and south. To the south and west of the site, the coastline is lined with sheet piling and to the east of the site, where groundwater enters, the coastline is lined with rip rap. The groundwater is likely saline due to its proximity to the canal.

Much of this area is reclaimed water front property with fill material anticipated to exist from 0 to 12 feet bgs. A gray colored, low permeability clayey layer (former base of the Gowanus Canal) is also anticipated to exist beneath the fill material with a thickness of approximately 8 feet.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
This site has had several instances over the last decade of tar seeping out of the ground, getting cleaned up, and reappearing some time later. Further investigation is required to determine the nature and extent of tar beneath the surface.

SITE HEALTH ASSESSMENT:
As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.

PROJECT COMPLETIONS:
None reported

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR: Air– Surface Water– Groundwater– Soil– Sediment–
APPLICABLE STANDARDS EXCEEDED IN: Groundwater– Drinking Water– Surface Water– Air–

GEOTECHNICAL INFORMATION:
SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION: Type: State– Federal–
STATUS: Negotiation in Progress– Order Signed–
REMEDIAL ACTION: Proposed– Under Design– In Progress– Completed–
NATURE OF ACTION:



* INACTIVE HAZARDOUS WASTE DISPOSAL SITE REGISTRY INFORMATION REQUEST *

182 SIGOURNEY ST **Facility Id: 224197**
182 SIGOURNEY ST BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: 628 SMITH ST & 182 SIGOURNEY ST
Revised zip code: NO CHANGE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224197
CLASSIFICATION CODE: P REGION: 2 DEC ID: 499845
CLASSIFICATION CODE DESCRIPTION:
Potential site

NAME OF SITE: 182 Sigourney St
STREET ADDRESS: 182 Sigourney St TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 0.29 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: Magrill Bros, Inc.
Jerrold Lerner
ADDRESS: 247 W. 16th Street
New York, NY 10011-6065

NAME: 610 Smith St. Corp.
ADDRESS: 111 John St. Rm 312
New York, NY 10038-3135

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The 182 Sigourney St. Site is a 0.87−acre site located in the Red Hook section of Brooklyn. The site consists of two parcels listed as Block 492, Lot 20 (628 Smith Street) and Block 492, Lot 15 (182 Sigourney Street) on NYC tax maps. The site is at the intersections of Halleck Street, Smith Street and Sigourney Streets. The site is approximately 200−300 feet west of the Gowanus Canal.

Site Features: The site is current primarily covered with a multi−story brick building with courtyard parking accessible from Sigourney Street.

Current Zoning and Land Use: The site is currently zoned and M−1 (industrial) and is actively used for commercial and industrial operations.

Historical Use: The properties that make up this site were part of a large tar paper manufacturing facility. A 1904 Sanborn Insurance Map depicts coal tar products, asphalt tanks and various oil tanks (including a 14,000−gallon underground tank). The Sanborn Map indicates that this property was operated by Barrett Manufacturing Company. The facility extended from Court Street to the Gowanus Canal.

Site Geology and Hydrogeology: Based on geological information at an adjacent site, the groundwater at this property is anticipated to be approximately 5 feet bgs. Groundwater flow is anticipated to flow toward the Gowanus Canal traveling east and/or southeast.

Much of this area is reclaimed water front property with fill material anticipated to exist from 0 to 12 feet bgs. A gray colored, discontinuous clayey layer (former base of the Gowanus Canal) is also anticipated beneath the fill material with a thickness varying up to eight feet.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
Investigations at adjacent properties indicate tar−like source material, light non−aqueous phase liquid (LNAPL) and petroleum VOCs are present in the soil and at the soil/groundwater interface. Downgradient and to the east of this potential site is the Red Hook Smith Street Brownfield Cleanup Program (volunteer) site (C224163) where tar−like material, metals, VOCs and SVOCs were identified. West of this potential site is the 633 Court St. (Chemtura #224146) site and the Red Hook Smith Recreation Area; tar−like material has been identified in each of these locations. A portion of the Red Hook Smith Street BCP and the 633 Court Street (Chemtura) property were both previously part of the former Barrett Manufacturing property. To the south is a State Superfund P−site (224196) where tar boils have been identified on site, which was initially Mica Roofing Company. Investigation of this site is warranted.

SITE HEALTH ASSESSMENT:
As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.

PROJECT COMPLETIONS:
None reported



BROWNFIELDS SITES INFORMATION REQUEST

210 DOUGLASS STREET **Facility Id: C224316**
210 DOUGLASS STREET, BROOKLYN, NY 11217

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224316
CLASSIFICATION CODE: A REGION: 2 DEC ID: 615221
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 210 Douglass Street
STREET ADDRESS: 210 Douglass Street TOWN: New York City
CITY: Brooklyn ZIP: 11217 COUNTY: Kings

ESTIMATED SIZE: 0.57 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: Eponymous Gowanus LLC Owner Type: Corporate or Commercial
Lauren Sanders
ADDRESS: 430 Park Avenue, Suite 201
New York, NY 10022

NAME: 3911 Lemmon Avenue Associates — Owner Type: Corporate or Commercial
Lauren Sanders
ADDRESS: 430 Park Avenue, Suite 201
New York, NY 10022

NAME: Esbond Realty, LLC — Owner Type: Corporate or Commercial
Lauren Sanders
ADDRESS: 430 Park Avenue, Suite 201
New York, NY 10022

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:
NAME: Eastern Effects — Operator Type: Corporate or Commercial
Lauren Sanders
ADDRESS: 210 Douglass Street
Brooklyn, NY 11217

APPLICANT REQUESTOR(S):
NAME: DoBoDe Holdings LLC
Lauren Sanders
ADDRESS: 430 Park Avenue, Suite 201
New York, NY 10022

NAME: GowDev Holdings LLC
Lauren Sanders
ADDRESS: 430 Park Avenue, Suite 201
New York, NY 10022

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Public Library − Carroll Gardens Branch
ADDRESS: 396 Clinton Street
Brooklyn, NY 11231

NAME: Brooklyn Community Board 6
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201−6401

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location
The approximate 24,850−square−foot (0.57 acres) proposed brownfield site is located at 210 Douglass Street in the Gowanus neighborhood of Brooklyn, New York, and is identified as Block 417 and Lot 21 on the New York City Tax Map. The site is bound to the north by one−story commercial building followed by a three−story residential building, and the New York City Department of Environmental Protection (NYCDEP) Gowanus Pumping Station and Flushing Tunnel facility, to the east by the Gowanus Canal, a USEPA Superfund Site, to the south by Degraw Street followed by an asphalt−paved parking lot and associated garage, and to the west by

2 one− to two−story commercial/industrial buildings followed by Bond Street and 2 two− to three−story residential buildings, a two−story mixed used residential and commercial building, and 2 two−story industrial and manufacturing buildings. The site is located in a Manufacturing District (M2−1) which allows for industrial businesses. The Site is currently designated for factory/industrial use (F1) by the New York City Department of Finance.

Site Features
The site is located in an urban area that is generally covered with roads, walkways, an asphalt−paved parking lot, and a commercial building. The Gowanus Canal, a USEPA Superfund site, is located adjacent to the east of the subject property. The site is currently occupied by an approximate 17,850−square foot single story movie studio and associated asphalt paved parking operated by Eastern Effects, Inc., a movie production company.

Current Zoning and Land Use
The proposed brownfield site is located in a M2−1 manufacturing district which allows for industrial businesses. No environmental restrictions are currently associated with the property. The adjoining parcels and surrounding area are of mixed use including residential, commercial, industrial/manufacturing, and parking lots. On 30 January 2019, the Department of City Planning released the draft Gowanus zoning proposal for the greater Gowanus Canal neighborhood of Brooklyn. According to the information provided in this release, the site is located in an area that would receive a new zoning designation of M1(3) / R7−2 which is identified as being within the Canal Corridor Sub−District. This rezoning action would allow for the redevelopment of the site with a mixed−use commercial/residential building(s) within the framework of that designation. The Gowanus Canal, a USEPA Superfund site, is located adjacent to the east of the subject property.

Historical Site Use
Historical Sanborn Map Review: Sanborn Fire Insurance Maps provided by Environmental Data Resources, LLC (EDR) reveal that the subject property operated as a P.G. Hughes lime, brick, and lath yard as well as W.H. Murtha & Sons coal and wood yard with a coal pocket storage facility and an engine building located in the southeastern portion of the Site in 1886. The 1904 map shows coal pockets and coal sheds associated with the John H. O’Rourke Coal Yard. By 1915, the John H. O’Rourke Coal Yard was identified as the John E. Larney Coal Yard. Limited detail is provided between 1922 and 1928, although the Knickerbocker Ice Company is shown on the northeastern portion of the property. By 1938, coal silos were identified on the eastern portion of the subject property associated with coal yard operations and two large coal silos are shown on the northern portion of the subject property with a conveyor connected to the engine room. Site conditions appear generally the same between 1938 and 1950, except the coal yard is listed as non−operating. By 1969, the non−operating coal yard facility was replaced by a plastic product manufacturing facility. Site conditions and operations appear generally the same between 1969 and 2007, except by the year 1988, the plastic manufacturer is identified as an unspecified manufacturing facility. The review of Sanborn Maps revealed historic site operations of concern at adjacent properties to the north, south, and west, including a coal yard (1886), a paper box factory (1915), a machine shop (1950), and a metal manufacturer (1969 − 2007) to the north; a coal yard (1886− 1915, 1938), a fuel company (1928), a wooden box manufacturer (1950), an auto repair shop (1969), and a truck rental company (1979−2007) to the south; and a coal yard (1886), lather (1886), ice factory (1904−1950), unspecified manufacturing (1969−2007), and an electrical manufacturer (1938−2007) to the west. Records maintained online by the NYC Department of Buildings (NYCDOB) and USEPA, in addition to historical phone directories summarized in the City Directory Abstract and government databases summarized in a Radius Map Report provided by EDR, were also reviewed for the Site and are summarized below.

Additional Historical Resources: Records maintained online by the NYCDOB identify the subject property as approved to operate as a paper product manufacturer in 1970 and an electrical supply manufacturing facility from 1993 to 2009. According to the City Directory Abstract, a production studio operated on the subject property from 2002 to 2014. Magnifco Enterprise located at 210 Douglass Street was identified in the Radius Map Report within the RCRA Small Quantity Generator (SQG) database for forms received by the USEPA on 14 November 2013 classifying the site as a SQG for the generation of waste impacted by hazardous concentrations of benzene by Eastern Effects operations. The site was also identified in the USEPA ECHO and Facility Index System

(FINDS) databases for being tracked through the RCRA program as FRS ID 110056380045 and RCRA Source ID NYR000205278. No violations were identified for this facility. Site operations by Eastern Effects between 2002 and the present were confirmed within the City Directory Abstract Report and based on site observations during the investigation. Additional listings maintained in the online NYSDEC Spills database identify the Site as Unknown Fuel Oil Depot at the address 210 Douglas Street under Spill No. 0401107 for a release of unknown petroleum to the Gowanus Canal on 1 May 2004. The spill was administratively closed on 3 May 2004 as it was determined that no spill occurred and no corrective action was required.

Site Geology and Hydrogeology: According to Langan´s 2019 Phase II investigation performed on Lot 21 as well as the adjacent Lot 10, miscellaneous fill was encountered between 2− and 10−feet below grade at all boring locations, with the exception of a soil boring located at the southwestern portion of the subject property where a fill layer was not observed. Material beneath the fill layer generally consisted of sand, silt, and/or clay, with the exception of a soil boring along eastern portion of the subject property where only fill was observed. A confining layer of clay and/or peat was identified at all locations except a boring location along the eastern site boundary, due to shallow drilling refusal, and a boring located along the western boundary of Lot 21. Site conditions encountered in Langan´s 2019 Phase II environmental investigation are generally consistent with the Langan´s 2019 geotechnical investigation. According to the USGS Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and parts of Bergen and Hudson Counties, New Jersey, by Charles A. Baskerville dated 1994, the site is underlain by the Hartland Formation, consisting mainly of gray muscovite−biotite−quartz schist. Competent bedrock was not encountered in soil borings installed as part of the 2019 Phase II investigation. Based on the environmental investigation conducted by Langan, groundwater was encountered at depths ranging from about 4.69 to 6.21 feet below ground surface (bgs) in monitoring wells installed during Langan´s 2019 environmental investigation on the subject property. Based on area topography, observed water level measurements, and the proximity of the Site to the Gowanus Canal, groundwater is inferred to flow to the east towards the Gowanus Canal.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
Nature and Extent of Contamination: The site entered the BCP in the investigation phase. To date, the following nature and extent of contamination is known:

Soil: In 2012 GEI Consultants Inc. installed a soil boring on−site as part of the Fulton Manufactured Gas Plant (MGP) Remedial Investigation. In 2019, Langan performed a Phase II Environmental Investigation on−site. Together a total of six (6) soil borings were installed across the site. Volatile Organic Compounds (VOCs), Semi−Volatile Organic Compounds (SVOCs), Metals, PCBs, and Pesticides were analyzed from those samples and exceedances were found. Most notable exceedances included Coal Tar related SVOC compounds: Benzo(a)pyrene was detected at a maximum concentration of 470 ppm (CSCO: 1 ppm and PoGWSCO: 22 ppm). Benzo(b)fluoranthene was detected at a maximum concentration of 330 ppm (CSCO: 5.6 ppm and PoGWSCO: 1.7 ppm). Naphthalene was detected at a maximum concentration of 7,900 ppm (CSCO: 500ppm and PoGWSCO: 12 ppm).

Metals were also found in exceedance. Most notably: Lead was detected at a maximum concentration of 1,000 ppm (CSCO: 1,000 ppm and PoGWSCO: 63 ppm). Mercury was detected at a maximum concentration of 4.65 ppm (CSCO: 2.8 ppm and PoGWSCO: 0.18 ppm).

Groundwater: Three (3) groundwater sampling locations were sampled during the remedial investigation. Volatile Organic Compounds (VOCs), Semi−Volatile Organic Compounds (SVOCs), Metals, PCBs, and Pesticides were analyzed from those samples and exceedances were found. Coal Tar related SVOCs were detected in the groundwater in addition to high levels of Iron, Manganese and Lead were also detected in the groundwater on−site.

Soil Vapor: The site currently maintains a movie studio with parking lot. In 2013, three sub−slab vapor samples were collected

throughout the on-site building. Tetrachloroethene (PCE) was detected at a maximum concentration of 91.6 micrograms per cubic meter (ug/m3). Trichloroethene (TCE) was detected a maximum concentration of 9,136 ug/m3.

SITE HEALTH ASSESSMENT:
Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:
None reported
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BROWNFIELDS SITES INFORMATION REQUEST

PRESIDENT STREET PORTFOLIO **Facility Id: C224309**
469 PRESIDENT STREET AND 532 UNION STREET, BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: 469 PRESIDENT ST AND 532 UNION ST
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224309
CLASSIFICATION CODE: A REGION: 2 DEC ID: 602138
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: President Street Portfolio
STREET ADDRESS: 469 President Street and 532 Union Street TOWN: New York City
CITY: Brooklyn ZIP: 11215 COUNTY: Kings

ESTIMATED SIZE: 0.73 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: 473 President LLC
Jesse Wark
ADDRESS: c/o Avery Hall Investments
51 East 12th Street, 7th Floor
New York, NY 10003

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Community Board 6
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201

NAME: Brooklyn Public Library – Carroll Gardens Branch
ADDRESS: 396 Clinton Street
Brooklyn, NY 11231

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The 0.73–acre site is located in an urban area in the Gowanus neighborhood of Brooklyn and consists of two non–contiguous parcels on Brooklyn Borough Tax Block 440: the E Waste Parcel and the Pontone Parcel. The two parcels are separated by BCP site No. C224220, 473 President Street. The two primary addresses associated with the site are 469 President Street and 532–542 Union Street. The site is located on the block bounded by Union Street to the north, 3rd Street to the east, President Street to the south, and Nevins Street to the west. The Gowanus Canal, a National Priorities List (NPL) site, is located about 275 feet west of the E Waste Parcel.

Site Features: The E–Waste Parcel is a one–story brick and concrete building which had been occupied by an electronics recycling facility. The ground floor of the E–Waste Parcel was used as a warehouse and an office, and a partial second floor level was used for office space. The Pontone Parcel consists of an interconnected one– to three–story brick building which had been occupied by a casket manufacturer and had offices on the second and third floors.

Current Zoning and Land Use: According to the New York City (NYC) Planning Commission Zoning Map 16c, the site is located in an M1–2 manufacturing zoning district. M1 districts typically include light industrial uses, such as woodworking shops, repair shops, and wholesale and storage facilities. Offices, hotels and most retail uses are also permitted in M1 districts. The 30 January 2019 draft Gowanus zoning proposal by the NYC Department of City Planning (DCP), if approved, would rezone the site to a mixed–use district that permits residential uses (M1(3)/R6A and M1(3)/R7A). Surrounding properties include single and multi–story buildings occupied by industrial, commercial and residential tenants.

Past and Current Use of the Site: The site has been occupied by commercial and industrial facilities since as early as 1886. The E–Waste Parcel was used as a blacksmithery, rag storage facility, dental manufacturing facility, parking area, warehouse, and electronics recycling facility. The E–Waste Parcel is currently unoccupied. The Pontone Parcel was used as a factory, woodworking and engraving facility, auto repair shop, painting place, and casket manufacturing facility. The Pontone Parcel is currently unoccupied. Proposed development calls for demolition of existing structures and construction of a mixed–use residential and commercial building with ground floor.

Site Geology and Hydrogeology: Soil and bedrock stratigraphy throughout Brooklyn typically consists of a layer of historic fill material that overlies glacial till, decomposed unconsolidated bedrock, and bedrock. Based on a previous study at a neighboring property, bedrock is present at about 200 feet below grade surface (bgs). Site stratigraphy consists of historic fill material

underlain by native soil generally characterized as fine- to medium-grained sand with varying amounts of silt, clay, and gravel. Historic fill material, characterized as unconsolidated, fine-grained sand with varying amounts of gravel, brick, coal, concrete, glass, slag, organics, tar-like material, white ashy material, and silt, was encountered beneath the site to depths ranging from about 6 to 14 feet bgs. Groundwater at the site was encountered at elevations ranging from about 9 to 13 feet bgs. The inferred groundwater flow direction is generally to the west-northwest toward the Gowanus Canal and former Mill Pond. Groundwater flow is restricted by predominantly fine-grained deposits (silt) to the west of the Pontone Parcel. These fines create a localized rise in groundwater elevation that drops as grain size coarsens towards the E-Waste Parcel, continuing towards the Gowanus Canal.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):

- mercury
- tetrachloroethene (PCE)
- barium
- 1,1 dichloroethene
- manganese
- cis-1,2-dichloroethene
- vinyl chloride
- magnesium
- trichloroethene (TCE)
- cadmium
- polycyclic aromatic hydrocarbons (PAHS), total
- arsenic
- lead
- copper
- benzene

SITE ENVIRONMENTAL ASSESSMENT:

Nature and Extent of Contamination: Soil was analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, emerging contaminants, and metals. Groundwater was analyzed for VOCs, SVOCs, pesticides, emerging contaminants, and metals. Based upon investigations conducted to date, the primary contaminants of concern for the site include VOCs, polycyclic aromatic hydrocarbons (PAHs – a class of SVOCs), lead, mercury, copper, and arsenic.

Soil: Several SVOCs (specifically, polycyclic aromatic hydrocarbons, or PAHs) were detected including benzo(a)anthracene at a maximum concentration of 120 parts per million, or ppm, exceeding its restricted residential soil cleanup objective (RRSCO) of 1 ppm, benzo(a)pyrene at a maximum concentration of 90 ppm (RRSCO is 1 ppm), benzo(b)fluoranthene at a maximum concentration of 130 ppm (RRSCO is 1 ppm), benzo(k)fluoranthene at a maximum concentration of 38 ppm (RRSCO is 3.9 ppm, chrysene at a maximum concentration of 100 ppm (RRSCO is 3.9 ppm), dibenz(a,h)anthracene at a maximum concentration of 16 ppm (RRSCO is 0.33 ppm), indeno(1,2,3-cd)pyrene at a maximum concentration of 63 ppm (RRSCO is 0.5 ppm), fluoranthene at a maximum concentration of 260 ppm (RRSCO is 100 ppm), and pyrene at a maximum concentration of 200 ppm (RRSCO is 100 ppm). Metals found include arsenic at a maximum concentration of 126 ppm (RRSCO is 16 ppm), barium at a maximum concentration of 497 ppm (RRSCO is 400 ppm), lead at a maximum concentration of 8,220 ppm (RRSCO is 400 ppm), mercury at a maximum concentration of 6.58 ppm (RRSCO is 0.81 ppm), copper at a maximum concentration of 41,900 ppm (RRSCO is 270 ppm), cadmium at a maximum concentration of 13.9 ppm (RRSCO is 4.3 ppm), and zinc at a maximum concentration of 25,400 ppm (RRSCO is 10,000 ppm). Tar-like material was encountered in the soil at depths ranging from 7 to 10 feet bgs. This material encompasses an area of about 400 square feet and is located in the northeast portion of the Pontone Parcel. No VOCs, PCBs or pesticides were detected at concentrations exceeding their respective RRSCOs. Data does not indicate any off-site impacts in soil related to this site.

Groundwater: Several VOCs were detected in groundwater. Trichloroethene (TCE) and its associated degradation products were found in groundwater on the western half of the site at levels exceeding the Ambient Water Quality Standard (AWQS) for TCE of 5 parts per billion, or ppb with a maximum concentration of 2,400 ppb. Benzene was found at a maximum concentration of 1.3 ppb (AWQS is 1 ppb). Cis−1,2−dichloroethene (Cis−1,2−DCE) was found at a maximum concentration of 2,500 ppb (AWQS is 5 ppb). 1,1−Dichloroethene (1,1−DCE) was found at a maximum concentration of 29 ppb (AWQS is 5 ppb). The following SVOCs were found at concentrations exceeding their respective standards: benzo(a)anthracene at a maximum concentration of 0.96 ppb (AWQS is 0.002 ppb); benzo(a)Pyrene at a maximum concentration of 0.87 ppb; benzo(b)fluoranthene at a maximum concentration of 1.1 ppb (AWQS is 0.002 ppb); benzo(k)fluoranthene at a maximum concentration of 0.45 ppb (AWQS is 0.002 ppb); chrysene at a maximum concentration of 0.84 ppb (AWQS is 0.002 ppb); and indeno(1,2,3−c,d)pyrene at a maximum concentration of 0.58 ppb (AWQS is 0.002 ppb). Perfluorooctanoic Acid (PFOA) was found exceeding its maximum contaminant level (MCL) of 10 ppt at a maximum concentration of 119 ppt. Perfluorooctanesulfonic Acid (PFOS) was found exceeding its MCL of 10 ppt at a maximum concentration of 27.3 ppt. Data does not indicate any off−site impacts in groundwater related to this site.

Soil Vapor and Indoor Air: TCE was detected at a maximum concentration of 1,730 micrograms per cubic meter (ug/m3) in the soil vapor, and 31.3 ug/m3 in indoor air, above the TCE Air Guideline Value of 2 ug/m3. Concentrations of TCE in the soil vapor and concurrent indoor air are above the threshold for mitigation of vapor intrusion. DCE was detected at a maximum concentration of 139 ug/m3 in the soil vapor and was not detected in indoor air. 1,1−DCE was detected at a maximum concentration of 8.05 ug/m3 in the soil vapor and was not detected in indoor air. Data does not indicate that there is the potential for off−site impacts in soil vapor related to this site.

SITE HEALTH ASSESSMENT

Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. People will not come into contact with contaminated soil or groundwater since the site is covered with buildings and concrete unless they dig below the ground surface. Volatile organic compounds in the soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Environmental sampling indicates that the potential exists for the inhalation of site contaminants due to soil vapor intrusion for the existing buildings onsite as well as any future on−site development.

PROJECT COMPLETIONS:

Operable Unit 01 − Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation	Remedial Investigation	10/23/2020	Actual

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BROWNFIELDS SITES INFORMATION REQUEST

473 PRESIDENT STREET **Facility Id: C224220**
473 PRESIDENT STREET, BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224220
CLASSIFICATION CODE: A REGION: 2 DEC ID: 507634
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 473 President Street
STREET ADDRESS: 473 President Street TOWN: New York City
CITY: Brooklyn ZIP: 11215 COUNTY: Kings

ESTIMATED SIZE: 0.46 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
9412605	Spill No.
C224220-06-15	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: 473 President LLC Owner Type: Innocent Owner NonRegistry-HazSubs
Jesse Wark
ADDRESS: 51 East 12th Street, 7th Floor

New York, NY 10003

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:
NAME: EcoRise Development
ADDRESS: 473 President Street
Brooklyn, NY 11215

APPLICANT REQUESTOR(S):
NAME: 473 President LLC
Jesse Wark
ADDRESS: 51 East 12th Street
7th Floor
New York, NY 10003

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Community Board 6 Repository Typ: Local Government
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201-6401

NAME: Carroll Gardens Branch Library
ADDRESS: 396 Clinton Street
Brooklyn, NY 11231

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The 473 President Street site is located in an urban area in Brooklyn, NY. It is located in the southern portion of Block 440, Lot 12. The Gowanus Canal is approximately 350 ft to the west of the site. The site is bounded by a shuffleboard club to the north, a former electronics-waste recycler to the west, President Street to the south, and a former casket company to the east.

Site Features: The site is comprised of a 1 story warehouse that was recently demolished.

Current Zoning and Land Use: The site is vacant and was a former bicycle retailer, a furniture maker, and a showroom for a light designer. It is currently zoned M1-2 (commercial and light industrial uses). The proposed development project calls for demolition of the existing structures and the construction of a mixed-use residential and commercial building, in accordance with zoning laws for that area, with ground floor retail and parking. The development will coincide with the development activities at the neighboring site, President St. Portfolio, BCP Site No. C224309. The nearest residential area is across President Street, but the proposed redevelopment will be largely residential.

Past Use of the Site: The site has an industrial history dating to the 1880s. From 1886 to 1928, the site was a sash and door factory, and later a mill with a machine shop and boilers. In 1938 the Coca-Cola Bottling Co. operated two gasoline underground storage tanks (USTs) as part of their site activities. From 1969 to the 1990s, the site was occupied by Dolin Metal Manufacturing Co. From 1993 to 2007, the building was occupied by manufacturing and storage. There is an open spill from a failed tank test which resulted in petroleum-contaminated soils on-site. The spill number is 9412605.

Site Geology and Hydrogeology: The soils of the area consist of urban fill in the upper 10 feet. The fill consists of brown, medium to fine sand with varying amounts of gravel, brick, concrete, asphalt, coal fragments, coal ash, slag, and wood. Hardened coal tar was observed within the fill layer in a boring located in the southeastern portion of the site. The fill layer was underlain mainly by brown fine sand with varying amounts of silt and clay. Groundwater is approximately 10 foot below ground surface. The regional groundwater table is relatively flat with a slight gradient to the west towards the Gowanus Canal.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):

trichloroethene (TCE)
tetrachloroethene (PCE)
polycyclic aromatic hydrocarbons (PAHS), total
1,2,4-TMB
xylene (mixed)
dichloroethene (1,2-)
1,3,5-trimethylbenzene
ethylbenzene
mercury
arsenic
lead
benzene
toluene

SITE ENVIRONMENTAL ASSESSMENT:

Soil was analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), pesticides, emerging contaminants, and metals. Groundwater was analyzed for VOCs, SVOCs, pesticides, emerging contaminants, and metals. Based upon investigations conducted to date, the primary contaminants of concern for the site include petroleum-related and chlorinated VOCs, SVOCs consisting primarily of Polycyclic Aromatic Hydrocarbons (PAHs), lead, mercury, and arsenic.

Soil: Benzene was found in soil at a maximum concentration of 2.1 parts per million (ppm), exceeding the protection of groundwater soil cleanup objective (SCO) of 0.06 ppm. Ethyl benzene was found in soil at a maximum concentration 32 ppm, exceeding the protection of groundwater standard of 1 ppm. Toluene was found in soil at a maximum concentration of 5.5 ppm, exceeding the protection of groundwater standard of 0.7 ppm. Xylenes (total) were found in soil at a maximum concentration of 250 ppm, exceeding the protection of groundwater standard of 0.26 ppm. Trichloroethene (TCE) was found in soil at a maximum concentration of 5.1 ppm, exceeding the protection of groundwater standard of 0.47 ppm. Cis-1,2-Dichloroethylene was found in soil at a maximum concentration of 3.7 ppm, exceeding the protection of groundwater standard of 0.25 ppm. 1,2,4-Trimethylbenzene was found in soil at a maximum concentration of 100 ppm, exceeding the protection of groundwater standard of 3.4 ppm. 1,3,5-Trimethylbenzene was found in soil at a maximum concentration of 29 ppm, exceeding the protection of groundwater standard of 8.4 ppm. Arsenic was found in soil at a maximum concentration of 203 ppm, exceeding the restricted residential standard of 16 ppm. Lead was found in soil at a maximum concentration of 1080 ppm, exceeding its restricted residential standard of 400 ppm. Mercury was found in soil at a maximum concentration of 18 ppm, exceeding its restricted residential standard of 0.73 ppm. Benzo(a)anthracene was found at a maximum concentration of 34 ppm, exceeding its restricted residential standard of 1 ppm. Benzo(a)pyrene was found at a maximum concentration of 29 ppm, exceeding its restricted residential standard of 1 ppm. Benzo(b)fluoranthene was found at a maximum concentration of 35 ppm, exceeding its restricted residential standard of 1 ppm. Diben(a,h)anthracene was found at a maximum concentration of 2.6 ppm, exceeding its restricted residential standard of 0.33 ppm. Indeno(1,2,3-cd)pyrene was found at a maximum concentration of 17 ppm, exceeding its restricted residential standard of 0.5 ppm. Data does not indicate any off-site impacts in soil related to this site.

Groundwater: TCE and its associated degradation products are found in groundwater on the northern half of the site at levels exceeding groundwater standards (5 parts per billion – ppb) with a maximum concentration of 1,300 ppb. Benzene was found exceeding its groundwater standard (1 ppb) at a maximum concentration of 3,500 ppb. Ethylbenzene was found exceeding its groundwater standard (5 ug/L) at a maximum concentration of 2,000 ppb. Toluene was found exceeding its groundwater standard (5 ppb) at a maximum concentration of 740 ppb. Xylene (total) was found exceeding its groundwater standard (5 ppb) at a maximum concentration of 6,900 ppb. Cis-1,2-Dichloroethylene was found exceeding its groundwater standard (5 ppb) at a maximum concentration of 4,900 ppb. 1,2,4-Trimethylbenzene was found exceeding its groundwater standard (5 ppb) at a maximum concentration of 1,600 ppb. 1,3,5-Trimethylbenzene was found exceeding its groundwater standard (5 ppb) at a maximum concentration of 470 ppb. Arsenic was found exceeding its groundwater standard (25 ppb) at a maximum concentration of 38.2 ppb. Naphthalene was found exceeding its groundwater standard (10 ppb) at a maximum concentration of 427 ppb. Data does not indicate any off-site impacts in groundwater related to this site.

Sub-Slab Soil Vapor and Indoor Air: Trichloroethene (TCE) was detected at a maximum concentration of 39,000 micrograms per cubic meter (ug/m3) in the soil vapor, and 23.9 ug/m3 in indoor air. Tetrachloroethene (PCE) was detected at a maximum concentration of 440 ug/m3 in the soil vapor, and 2.81 ug/m3 in indoor air. Cis-1,2-dichloroethene (DCE) was detected at a maximum concentration of 95 ug/m3 in the soil vapor, and 0.218 ug/m3 in indoor air. Data indicates there is the potential for off-site impacts in soil vapor related to this site.

SITE HEALTH ASSESSMENT:

People will not come into contact with contaminated soil or groundwater since the site is covered with a building and concrete unless they dig below the ground surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for future onsite development. Environmental sampling indicates that soil vapor intrusion is a concern for offsite buildings.

PROJECT COMPLETIONS:

Operable Unit 01 – Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation	Remedial Investigation	10/09/2020	Actual

The following project completion(s) have been modified or deleted from the registry. Data reflects previous information.

Remedial Design		10/09/2020	Actual

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BROWNFIELDS SITES INFORMATION REQUEST

175−225 3RD STREET **Facility Id: C224209**
175−225 3RD STREET, BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224209
CLASSIFICATION CODE: A REGION: 2 DEC ID: 504582
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 175−225 3rd Street
STREET ADDRESS: 175−225 3rd Street TOWN: New York City
CITY: Brooklyn ZIP: 11215 COUNTY: Kings

ESTIMATED SIZE: 3.2 Acres

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
1405008	Spill No.

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: 175−225 Third Owner LLC Owner Type: Innocent Owner NonRegistry−HazSubs
Laurent Morali
ADDRESS: c/o Kushner Companies
666 Fifth Avenue − 15th Floor

New York, NY 10013

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:
NAME: Global Corporate Service Verizon Account
Patricia Otterstedt
ADDRESS: 201 Centennial Avenue
Room 1S−182
Piscataway, NJ 08854

APPLICANT REQUESTOR(S):
NAME: 175−225 Third Owner LLC
Laurent Morali
ADDRESS: c/o Kushner Companies
666 Fifth Avenue − 15th Floor
New York, NY 10013

NAME: Gowanus Owner LLC
Ross Fleming
ADDRESS: c/o RFR Holding LLC
390 Park Ave.
New York, NY

DOCUMENT REPOSITORY(S):
NAME: Park Slope Library
ADDRESS: 431 6th Avenue at 9th Street
Brooklyn, NY 11213

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The about 140,000−square−foot (3.2 acres) site is located at 175−225 3rd Street in the Gowanus neighborhood of Brooklyn, New York (Block 972, Lots 1, 43, and 58).

Site Features: The rectangular−shaped site is occupied by a Verizon service center. Lot 1 is adjacent to the Gowanus Canal and is generally covered by vegetation and trees and does not contain structures or foundations. Lot 1 is fenced off at its three landward boundaries and is not accessible to pedestrians or vehicles. Lot 43 is the easternmost lot and contains asphalt−paved parking areas and an about 7,100−square−foot, single−story, pre−fabricated building with sheet metal walls. Verizon currently uses the building for offices and storage. Lot 58 contains an approximately 8,300−square−foot single−story brick building, an open−ended steel storage shed, and asphalt paved parking areas. The building is used as a work operations center and service garage. The site is bound to the north by a closed section of 2nd Street, to the east by 3rd Avenue, to the south by 3rd Street, and to the west by the Gowanus Canal.

Current Zoning: The site is located in an M2−1 manufacturing district which allows for office spaces.

Historic Use: Historical use of the site includes a coal and stone yard with wagon painting (1886 to 1904), blacksmith (1904), a

transit facility with iron coal conveyor transecting the site from east to west (1915 to 1938), an automobile wrecking facility (1934 to 1950), a filling station with gasoline tanks (1950 to 1977), and automobile repair facilities with hydraulic lifts, drums, and waste oil storage (1950 to present).

Site Geology and Hydrogeology: The site sits at an elevation of approximately 10 feet above mean sea level with site grade ranging from about elevation (el) 17 in the southeast to el 9.4 in the southwest. The topography of the site is generally level, and the surrounding area slopes gently toward the southwest. The subsurface consists of historic urban fill characterized by brown silty sand with gravel, concrete, wood, brick, stone and debris extending to varying depths of 8 to 14.5 feet below grade. The Fill material is underlain by either an organic layer consisting of soft silt and clay or by a fine- to coarse-grained sand layer with varying amounts of silt and gravel. Groundwater is present beneath the site at 2.5 to 9.3 feet below surface grade or elevation 1.83 at low tide to elevation 8.54 (NAVD88)at high tide.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
ethylbenzene
fluoranthene
fluorene
1,2,4-trichlorobenzene
1,3,5-trimethylbenzene
pyrene
xylene (mixed)
anthracene
benzo(a)pyrene
bis(2-ethylhexyl)phthalate
chrysene
arsenic
lead
mercury
phenanthrene
benzene
cadmium
barium
naphthalene
acenaphthene
acenapthylene
benzo(a)anthracene
benzo(k)fluoranthene
dibenz[a,h]anthracene
n-propylbenzene
toluene
zinc

SITE ENVIRONMENTAL ASSESSMENT:
Nature and Extent of Contamination:
The site is contaminated with volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and metals from a history of light industrial activity including use of petroleum and hazardous materials, the presence of historic fill, and potential impacts from off-site sources. Petroleum-related impacts appear to be limited to the western portion of the site, near releases from historic underground storage tanks (USTs).

Soil – The primary contaminants of concern in soil are SVOCs and metals, which exceed the soil cleanup objectives (SCOs) for commercial use. SVOCs are present primarily on the western portion of the site from depths of 2 to 10 feet below surface grade. Petroleum impacts were also observed in this area and depth range. SVOCs that exceed the SCOs for commercial use include: acenaphthene as high as 1,530 parts per million (ppm) compared to the SCO of 500 ppm; acenaphthylene as high as 1,490 ppm compared to the SCO of 500 ppm; anthracene as high as 842 ppm compared to the SCO of 500 ppm; benzo(a)anthracene as high as 274 ppm compared to the SCO of 5.6 ppm; benzo(a)pyrene as high as 153 ppm compared to the SCO of 1 ppm; benzo(k)fluoranthene as high as 99.7 ppm compared to the SCO of 56 ppm; chrysene as high as 352 ppm compared to the SCO of 56 ppm; diben(a,h)anthracene as high as 1.79 ppm compared to the SCO of 0.56 ppm; fluoranthene as high as 1,370 ppm compared to the SCO of 500 ppm; fluorene as high as 1,480 ppm compared to the SCO of 500 ppm; naphthalene as high as 14,700 ppm compared to the SCO of 500 ppm; phenanthrene as high as 3,720 ppm compared to the SCO of 500 ppm; and pyrene as high as 2,050 ppm compared to the SCO of 500 ppm. VOCs detected in the soil exceed the unrestricted use SCOs but are below the SCOs for commercial use, and include: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, n-propylbenzene, toluene, and xylenes. Metals detected in soil at concentrations that exceed the commercial use SCOs include: arsenic as high as 81.7 ppm compared to the SCO of 16 ppm; barium as high as 9,100 ppm compared to the SCO of 400 ppm; cadmium as high as 885 ppm compared to the SCO of 9.3 ppm; copper as high as 3,210 ppm compared to the SCO of 270 ppm; lead as high as 7,190 ppm compared to the SCO of 1,000 ppm; mercury as high as 26.4 ppm compared to the SCO of 2.8 ppm; and zinc as high as 18,400 ppm compared to the SCO of 10,000 ppm. Two samples of lead exceeded the RCRA hazardous waste regulatory limit, as determined by Toxic Characteristic Leachate Procedure (TCLP) analysis. Two TCLP samples had concentrations of 7.57 ppm and 25.7 ppm compared to the RCRA standard of 5 ppm.

Groundwater – The primary contaminants of concern in groundwater are VOCs and SVOCs. VOCs in groundwater that exceed the Ambient Water Quality Standards (AWQS) include: 1,2,4-trimethylbenzene as high as 71 parts per billion (ppb); 1,3,5-trimethylbenzene as high as 140 ppb; ethylbenzene as high as 770 ppb; n-propylbenzene as high as 26 ppb; toluene as high as 190 ppb; and total xylenes as high as 630 ppb, all of which have a AWQS of 5 ppb. Benzene was detected at 24 ppb compared to the AWQS of 1 ppb. SVOCs in groundwater that exceed the AWQS of 0.002 ppb include: benzo(a)anthracene as high as 0.49 ppb; benzo(a)pyrene as high as 1.03 ppb; benzo(b)fluoranthene as high as 0.26 ppb; benzo(k)fluoranthene as high as 0.32 ppb; and chrysene as high as 0.38 ppb. Naphthalene was detected as high as 7,070 ppb compared to the AWQS of 10 ppb. Bis(2-ethylhexyl)phthalate was also detected in groundwater at a concentration of 159 ppb compared to the AWQS of 5 ppb.

Soil vapor – One sub-slab soil vapor sample was collected from beneath the slab of the auto repair garage and identified tetrachloroethylene (PCE) at 510 micrograms per cubic meter (µg/m3) and trichloroethylene (TCE) at 33 µg/m3.

TCE was also detected in two other soil vapor samples (not sub-slab) at a maximum of 300 µg/m3. Other petroleum-related VOCs were also detected in soil vapor samples at elevated concentrations.

SITE HEALTH ASSESSMENT:

Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:

Operable Unit 01A – Installation of Bulkhead

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		05/29/2020	Actual
Remedial Action	Bulkhead	06/16/2021	Actual

Operable Unit 01B – Soil Vapor Intrusion Mitigation

PROJECT	DESCRIPTION	END DATE	STATUS

Remedial Design 10/05/2020 Actual



BROWNFIELDS SITES INFORMATION REQUEST

563 SACKETT STREET **Facility Id: C224222**
563 SACKETT STREET, BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: 563 SACKETT ST
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224222
CLASSIFICATION CODE: A REGION: 2 DEC ID: 507650
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 563 Sackett Street
STREET ADDRESS: 563 Sackett Street TOWN: New York City
CITY: Brooklyn ZIP: 11215 COUNTY: Kings

ESTIMATED SIZE: 0.229 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: 242 Nevins, Inc. Owner Type: Innocent Owner NonRegistry-HazSubs
ADDRESS: 444 Third Street
Brooklyn, NY 11215

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: Bella Venezia, LLC
Marino Mazzei
ADDRESS: 242 Nevins Street
Brooklyn, NY 11217

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Public Library – Pacific Branch
Candace Vasquez
ADDRESS: 25 4th Avenue
Brooklyn, NY 11217

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The original site is located at 563 Sackett Street in the Gowanus neighborhood of Brooklyn, Kings County, and is identified as Block 426 lot 44. The 563 Sackett Street site is approximately 0.229 acres in size. An adjacent parcel of land located at 560 Degraw Street and approximately 0.88 acres in size is in the process of being added to the 563 Sackett Street site in the Brownfield Cleanup Program under a Major Amendment. This portion of the property is identified on the tax map as Block 426, part of (p/o) Lot 17 and p/o Lot 49.

Site Features: The 563 Sackett Street site is developed with a large open shed, which is divided into two portions. A two–story structure consisting of stacked metal shipping containers is present at the northeast side of the site and is used for storage and office space by the site occupants. The remainder of the site consists of an unpaved yard that is used for general storage by the occupants. The majority of the eastern portion of the yard is covered with metal plates and the remainder of the yard consists primarily of exposed soil and gravel cover. The 560 Degraw Street site occupies an area of about 38,500 square feet. The Lot 17 portion occupies an area of about 35,000 square feet and includes the following improvements and operations: Major Auto Show, a business consisting of a paved parking area and one–story commercial building used for auto sales; a vehicular entrance to the south–adjoining property at 563 Sackett Street; and a one–story office building for Rise Development Partners. The Lot 49 part of the proposed BCP site occupies an area of about 3,500 square feet, is unimproved, and is used for storage of out–of–service industrial vehicles.

Current Zoning and Land Use: The current zoning of the 563 Sackett Street property is for commercial use. The eastern portion of the shed is occupied by Partner For You, a general commercial products (e.g., plastic bottles and aluminum cans) recycling facility, and the western portion of the shed is occupied by Brooklyn Truck & Equipment Repair, a vehicle and equipment repair operation. For the 560 Degraw Street site, the Lot 17 part of the site is located in a M1–4/R7X district and the Lot 49 part of the site is located in a M1–4/R6A district. M1 districts typically include light industrial uses, such as woodworking shops, repair shops, and wholesale service and storage facilities. Offices, hotels and most retail uses are also permitted.

Historical Use: The 563 Sackett Street site and surrounding area have been developed for residential, commercial, and industrial uses since at least 1886. Historical site uses included Nolan Bro´s Contractors (1904), a wagon builder (1915), a bottle storage facility (1938–1950), parking (1969 to 2007). The Fulton Municipal Gas Co. [Fulton Works, a former manufactured gas plant (MGP) site] is located to the west–northwest of the 563 Sackett Street site, which included the majority of Gas Holder IV, a lime shed, lime kilns, and a coal shed on the western portion of the 560 Degraw Street site from at least 1886 to 1938. After 1938, the 560 Degraw Street property was occupied by various auto–related facilities, including used truck storage,

auto wrecking, auto repair and a filling station. By 1943, the former gasometers and holding tanks associated with the Fulton Works MGP appeared to have been demolished and abandoned below grade. The portion of 563 Sackett Street containing the majority of Gas Holder IV was previously referred to as "Parcel IV" of the Fulton Works MGP site.

Geology and Hydrogeology: The two sites lie at an average elevation of about 15 feet above mean sea level. The sites are generally covered with paved roads, walkways, and buildings. The built environment is generally underlain by fill material used for construction and development since the 1800's. The subsurface strata at the sites consists of historic fill material characterized by loose silty sand with varying amounts of brick and concrete fragments, rubber, metal wire and coal fragments extending to depths ranging from about 10 to 20 feet below grade surface. The historic fill material was underlain by alluvial deposits consisting of poorly sorted sands with gravel and marsh deposits, referred to as meadow mat, which consists of interbedded sands, clays, and silts. Depth of groundwater was measured at 13.84 feet below grade surface in a monitoring well located in the center of 560 Degraw Street and at 6.85 feet below grade surface in the southwestern corner of 560 Degraw Street. The depth to groundwater was measured at 9 feet bgs within the former gasholder footprint. Groundwater elevation measurements recorded from monitoring wells located near the former Fulton Works MGP site indicate that the shallow groundwater, on the east side of the Canal, generally flows westward toward the Gowanus Canal at high and low tide levels.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
Nature and Extent of Contamination: The primary contaminants of concern at the site are Semi-Volatile Organic Compounds (SVOCs) and Metals. SVOCs include Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene and Chrysene. Metals include Arsenic, Barium, Cadmium, Copper, Lead and Mercury. The Volatile Organic Compound (VOC) Benzene was detected in one groundwater well.

Soil: Contamination including SVOC and Metals were observed throughout the historic fill layer that exists at the site. The fill layer is generally present from grade to depths of approximately twenty feet below grade.

The SVOCs Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene and Chrysene were detected at maximum concentrations of 22.7; 14.7; 16.1 and 14.5 parts per million (ppm), respectively. Their respective unrestricted use soil cleanup objectives are 1, 1, 0.8 and 1 ppm.

The Metals Arsenic, Barium, Cadmium, Copper, Lead and Mercury were detected at maximum concentrations of 36.4; 679; 34.3; 1,240; 1,840; and 1.57 ppm respectively. Their respective unrestricted use soil cleanup objectives are 13; 350; 2.5; 50; 63 and 0.18 ppm.

Groundwater: Limited groundwater contamination was observed. Benzene was detected in one on-site well at a concentration of 2.6 parts per billion (ppb). The ambient groundwater standard for Benzene is 1 ppb. The SVOC benzo(b)fluoranthene was detected in one well at 0.6 ppb, exceeding its ambient groundwater standard of 0.002 ppb. In addition, the Metals Manganese and Selenium were detected in groundwater at maximum concentrations of 1,000 and 13 ppb respectively. Their respective groundwater quality standards are 300 and 10 ppb.

Soil and Sub-Slab Soil Vapor: Various petroleum related VOCs were detected in the soil vapor samples collected at the site. Tetrachloroethene was detected in a soil vapor sample at a concentration of 240 micrograms per cubic meter (ug/m^3). There is no standard for soil vapor concentrations.

Special Resources Impacted or Threatened: None

SITE HEALTH ASSESSMENT:

Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:
None reported

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BROWNFIELDS SITES INFORMATION REQUEST

514 UNION STREET **Facility Id: C224318**
514 UNION STREET, BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224318
CLASSIFICATION CODE: A REGION: 2 DEC ID: 615885
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 514 Union Street
STREET ADDRESS: 514 Union Street
CITY: Brooklyn ZIP: 11215 TOWN: New York City
COUNTY: Kings

ESTIMATED SIZE: 0.39 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: 473 President LLC Owner Type: Corporate or Commercial
Jesse Wark
ADDRESS: c/o Avery Hall Investments
51 East 12th Street, 7th Floor
New York, NY 10003

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: 473 President LLC
Jesse Wark
ADDRESS: c/o Avery Hall Investments
51 East 12th Street, 7th Floor
New York, NY 10003

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Community Board 6
Mike Racioppo
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201

NAME: Brooklyn Public Library − Carroll Gardens Branch
John Leighton
ADDRESS: 396 Clinton Street
Brooklyn, NY 12231

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The approximately 0.39−acre site is located in an urban area in the Gowanus neighborhood of Brooklyn, New York, and consists of a one−story brick building occupied by the Royal Palms Shuffleboard Club. The site is located at 514 Union Street and is located at the northern portion of Brooklyn Borough Tax Block 440, Lot 12. The south−adjoining property (p/o Lot 1; formerly the southern portion of Lot 12) is in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) (BCP Site No. C224220). The east− and west−adjoining parcels are also in the NYSDEC BCP (BCP Site No. C224309). A lot merger application (RP−602 included) was approved by the New York City (NYC) Department of Finance (DOF) on 5 February 2020 to merge former Lots 1, 21, 23 to 26, 47, 48, and the portion of former Lot 12 that comprises BCP Site No. C224220 into new Lot 1. The property at 514 Union Street remained Lot 12. The site is located on the block bound by Union Street to the north, 3rd Street to the east, President Street to the south, and Nevins Street to the west. Surrounding properties include single− and multi−story buildings occupied by industrial, commercial and residential occupants. The Gowanus Canal (a National Priorities List [NPL] site) is located about 375 feet west of the site.

Site Features: The site is improved with a one−story brick building occupied by The Royal Palms Shuffleboard Club.

Current Zoning and Land Use: The site is located in an M1−2 manufacturing zoning district. M1 districts typically include light industrial uses, such as woodworking shops, repair shops, and wholesale and storage facilities. Offices, hotels and most retail uses are also permitted in M1 districts. The 30 January 2019 draft Gowanus zoning proposal by the NYC Department of City Planning (DCP), if approved, would rezone the site to a mixed−use district that permits residential uses (M1(3)/R7A).

Past and Current Use of the Site: The site has been occupied by commercial and industrial facilities since as early as 1886. The site is currently occupied by The Royal Palms Shuffleboard Club. The historical and current site uses include: The Royal Palms Shuffleboard Club (2014 − present); Manufacturing and Storage (1993 − 2007); Dolin Metal Manufacturing Co. (1969 − 1992);

Coca−Cola Bottling Co. of NY (1938 − 1950); Albro J. Newton Co. Trim and Planning Mill (1904 − 1915); Kenyon and Newton Sash and Door Factory (1886).

Site Geology and Hydrogeology: Soil and bedrock stratigraphy throughout Brooklyn typically consists of a layer of historic fill material that overlies glacial till, decomposed unconsolidated bedrock, and bedrock. The United State Geological Survey (USGS) "Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey" indicate the bedrock underlying the site is part of the Hartland Formation. The Hartland Formation is comprised of mica schist and quartz−feldspar granulite, with localized intrusions of granite and pegmatite. Based on a previous Langan geotechnical study, bedrock was encountered at about 200 feet below grade surface (bgs) at property located 250 feet northwest of the site. A subsurface investigation has not been conducted at the site, however, subsurface investigations have been conducted at adjoining sites, which now comprise Lot 1. The stratigraphy of the surrounding sites consists of historic fill material underlain by native soil generally characterized as fine− to medium−grained sand with varying amounts of silt, clay, and gravel. Historic fill material, characterized as unconsolidated, fine− to medium−grained sand with varying amounts of gravel, brick, coal, concrete, asphalt, coal ash, wood, glass, slag, organics, tar−like material, white ashy material, and silt, was encountered beneath the surface cover to depths ranging from about 6 to 14 feet bgs. Bedrock was not encountered.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
Information submitted with the BCP application regarding the environmental condition at the site are currently under review and will be revised as additional information becomes available.

SITE HEALTH ASSESSMENT:
Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:
None reported
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BROWNFIELDS SITES INFORMATION REQUEST

22−36 SECOND AVENUE **Facility Id: C224227**
22−36 SECOND AVENUE, BROOKLYN, NY 11215

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224227
CLASSIFICATION CODE: A REGION: 2 DEC ID: 507964
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 22−36 Second Avenue
STREET ADDRESS: 22−36 Second Avenue TOWN: New York City
CITY: Brooklyn ZIP: 11215 COUNTY: Kings

ESTIMATED SIZE: 1.09 Acres

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: Richard Ribellino Owner Type: Private Resident
ADDRESS: 313 Butler Street
Brooklyn, NY 11217

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: Pelagic Capital Advisory, LLC
Carter Gray
ADDRESS: c/o Wiggin and Dana LLP
437 Madison Avenue, 35th Floor
New York, NY 10017

DOCUMENT REPOSITORY(S):
NAME: Carroll Gardens Library
ADDRESS: 396 Clinton Street
Brooklyn, NY 11231

NAME: New York State Department of Environmental Conservation
Joseph Jones
ADDRESS: 12th Floor, 625 Broadway,
Albany, NY 12233-7015

NAME: Brooklyn Community Board 6
Craig Hammerman
ADDRESS: 250 Baltic Avenue
Brooklyn, NY 11201

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The 22-36 Second Avenue site is a one-acre site located in an urban area, in the Gowanus area of Brooklyn, New York (Kings County). The site is bounded by 5th Street to the North, Second Avenue to the east, and the Gowanus Canal to the south and west. Site Features: The site is flat and has four one-story buildings which cover most of the site.

Current Zoning and Land Use(s): The site is located in an M2-1 manufacturing district. The site is currently occupied by a metal shop, a wood shop, a food distributer and a clothing distributer. Past Use of the Site: Past uses of the site include sulfur works; manure dump; operations and storage of various materials, including cement, asphalt, paint, cork materials, finishing and cutting; cork slab plant; iron oven; and a switch house. Five petroleum spills were reported on the site between 1994 and 2015. One spill, reporting gross soil contamination and free-phase petroleum-like material in soils, is currently open. Site Geology and Hydrogeology: Historic fill extends from the surface cover to depths ranging from 11 to 15 feet below ground surface. The fill generally consists of brown coarse- to fine-grained sand with variable amounts of wood and brick. Below the fill, a layer of native organic clay extends to a depth of 25 to 35 feet below ground surface. The clay is underlain by glacial till. Bedrock occurs at approximately 140 feet below ground surface. Groundwater was observed at about 7 feet below ground surface and is inferred to flow northwest towards the Gowanus Canal.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
benzo(a)pyrene
benzo(b)fluoranthene
indeno(1,2,3-cd)pyrene
copper

mercury
benzo(a)anthracene
dibenz[a,h]anthracene

SITE ENVIRONMENTAL ASSESSMENT:
Soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and pesticides. Based on investigations conducted to date, the primary contaminants of concern include polyaromatic hydrocarbons (PAHs), 4,4-DDT, acetone, trivalent chromium, copper, lead, mercury and zinc. Soils - Soil borings were advanced to a depth of 12 feet below ground surface at three on-site locations. Two samples were taken from each boring. Acetone was found at concentrations up to 1.6 mg/kg (the unrestricted use Soil Cleanup Objective (SCO) is 0.05 mg/kg). The SVOC found at the highest concentration was Benzo(b)fluoranthene at 44 mg/kg (the SCO is 1 mg/kg). Six additional SVOCs were found at maximum concentrations ranging from 4.9 mg/kg to 38 mg/kg. The SCOs for these SVOCs range from 0.33 mg/kg to 1 mg/kg. The pesticide 4,4-DDT was found at concentrations up to 0.018 mg/kg (the SCO is 0.0033 mg/kg). Trivalent Chromium was found at concentrations up to 34 mg/kg (the SCO is 30mg/kg). Copper was found at concentrations up to 2,200 mg/kg (the SCO is 50 mg/kg). Lead was found at concentrations up to 540 mg/kg (the SCO is 63 mg/kg). Mercury was found at concentrations up to 19 mg/kg (the SCO is 0.18 mg/kg). Zinc was found in concentrations up to 710 mg/kg (the SCO is 109 mg/kg).

SITE HEALTH ASSESSMENT:
Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. People are not coming into contact with the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Additional investigation is needed to determine whether actions are needed to address soil vapor intrusion on and off-site.

PROJECT COMPLETIONS:
None reported
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BROWNFIELDS SITES INFORMATION REQUEST

PRESIDENT STREET PROPERTIES **Facility Id: C224221**
BOND, CARROLL AND PRESIDENT STREETS, BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: BOND CARROLL ST / PRESIDENT ST
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224221
CLASSIFICATION CODE: A REGION: 2 DEC ID: 507648
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: President Street Properties
STREET ADDRESS: Bond, Carroll and President Streets TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 2.123 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: President CarrolL LLC
Yoel Goldman
ADDRESS: 199 lee avenue #693
brooklyn, NY 11211

NAME: President Union LLC

simon dushinsky
ADDRESS: 505 flushing ave Unit 1d
brooklyn, NY 11205

NAME: president union llc
Charles Krieger
ADDRESS: 505 Flushing Ave Unit 1D
brooklyn, NY 11205

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: president union llc
Charles Krieger
ADDRESS: 505 Flushing Ave suite 1d
NY 12205

DOCUMENT REPOSITORY(S):
NAME: Craig Hammermann, District Manager Repository Typ: Local Government
Brooklyn Community Board 6
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201

NAME: Carroll Gardens Branch Library
Cheryl Powell
ADDRESS: 396 Clinton Street
Brooklyn, NY 11231

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The President Street Properties site is located in the Gowanus neighborhood of Brooklyn, New York and is identified as Block 445, Lot 8 (327 Bond Street), and Block 438, Lots 1 (325 Bond Street), 2 (323 Bond Street)and 3 (319 Bond Street) and includes the former President Street.

Site Features: The site is occupied by a bus service, maintenance, and parking; a parking lot; former President Street; and a two−story commercial storage building. The site is bound by a parking lot and commercial−use development to the north; the Gowanus Canal to the east; a two−story residential development and commercial/industrial property fronting on Carroll Street to the south; and Bond Street to the west. The former section of President Street runs east−west between the Gowanus Canal and Bond Street. This former portion of President Street is part of the President Street Properties site. An amendment was executed to include Lots 11 and 20 include a combined area of approximately 0.88 acres and are occupied by a bus service and maintenance, parking lots, office and storage spaces, a vacant building, and a bar/restaurant.

Current Use: The site is located in an M2−1 manufacturing district. The current use of the site is for commercial and industrial use. The intended use of the site will be for commercial use.

Historical Use: Past land uses associated with the site include the following: −1855 − Cement pipe company, a lime company and a stone yard; −1886 − A coal and wood yard, a large lime and brick shed with an office, a blacksmith, and a portion of a lumber yard; −1903−1915 − A coal yard operation with open coal storage, a repair shop, a kindling wood factory, a masonry operation, and wood storage; −1922 − A coal yard and a masonry operation; −1938 − A coal yard, auto wrecking and repair, and a storage building/parking garage; −1950 − Two auto repair shops, a coal yard with storage, an ironworks, truck parking, public warehouses, and a welding shop; −1969−1988 − Auto wrecking and salvage, a coal yard with storage, a woodworking shop, an iron works, a welding shop, a warehouse, and truck parking and repair; −1991−1992 − Used car sales, truck and auto parking, a woodworking shop, a welding shop, and auto repair; −1993 − Auto wrecking and repair, truck and auto parking, a woodworking shop, a welding shop, and a commercial building; and −1995−2007 − Auto wrecking and repair, truck and auto parking, a woodworking shop, a welding shop, and a commercial building.

Geology and Hydrogeology: The site surface sits at an elevation of approximately 10 feet above mean sea level. The topography of the site is generally level, and the surrounding area slopes gently east toward the Gowanus Canal. The subsurface strata at the site consists of fill material characterized by sand with brick, concrete fragments and coal tar ash. The on−site fill layer is most likely underlain by native sands and silty sands. Bedrock is anticipated to be upwards of 75 feet below grade.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
Information submitted with the BCP application regarding the environmental condition at the site are currently under review and will be revised as additional information becomes available.

SITE HEALTH ASSESSMENT:
Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:
Operable Unit 01A − IRM

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design	IRM − Bulkhead	04/30/2020	Actual

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BROWNFIELDS SITES INFORMATION REQUEST

335 BOND STREET **Facility Id: C224225**
335 BOND STREET, BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224225
CLASSIFICATION CODE: A REGION: 2 DEC ID: 507653
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: 335 Bond Street
STREET ADDRESS: 335 Bond Street TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 0.36 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: E & M Realty Corp. Owner Type: Corporate or Commercial
Eduard Slinin
ADDRESS: 335 Bond Street
Brooklyn, NY 11231

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: E & M Realty Corp.
Eduard Slinin
ADDRESS: 335 Bond Street
Brooklyn, NY 11231

DOCUMENT REPOSITORY(S):
NAME: Carroll Gardens Branch Library
ADDRESS: 396 Clinton Street
Brooklyn, NY 11231

NAME: Brooklyn Community Board 6
Craig Hammerman
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The site is located in an urban area, in the Gowanus neighborhood of Brooklyn. The site is bound by a two−story residential building and an industrial lot to the north; a two−story industrial and commercial building to the east; Carroll Street to the south; and Bond Street to the west.

Site Features: The approximately 0.36 acre site consists of a one−story building that includes a partial cellar, which houses an abandoned above ground storage tank (AST) in a concrete vault.

Current Zoning/Use: The subject property is located in an M2−1 manufacturing district and is currently occupied by an office building and garage operated by a private car and limousine service. The zoning was recently changed to M1−4/R7−2. The M1−4 allows light manufacturing, commercial and community facilities. The R7−2 allows medium density residential.

Historic Use: Past uses include a masonry materials, lath and lumber yard (1886 to 1922), a garage with possible auto servicing and gasoline storage (1925 to 1938), commercial delivery service (1969 to 1980), manufacturing (1981 to 1996), and a commercial car/livery service (appoximately 2002 to present).

Site Geology and Hydrogeology: Subsurface strata at the site consists of fill material characterized by loose, brown, fine to coarse sand with some brick and concrete fragments, and trace coal ash. The fill layer extends to depths ranging from approximately 4 feet below ground surface (bgs) to 8.5 feet bgs and is intersected by layers of degraded concrete and brick at varying depths. The fill layer is underlain by native soil characterized by sands and silty sands. Bedrock is part of the Hartland Formation. Groundwater occurs at depths ranging from approximately 6 to 8.5 feet bgs.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
1,2−dichloroethene
benzene
chlorobenzene

tetrachloroethene (PCE)
trichloroethene (TCE)
vinyl chloride

SITE ENVIRONMENTAL ASSESSMENT:
Soil, groundwater, and soil vapor has been impacted by chlorinated solvents, especially in the garage area. There is also the potential for impact to soil, groundwater, and soil vapor from an abandoned 1000 gallon above ground storage tank located in a vault in the basement and from gasoline storage tanks which were formerly located on the property.

SITE HEALTH ASSESSMENT:
Direct contact with contaminants in soil is unlikely because the majority of the site is covered with buildings and pavement. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The potential exists for people to inhale site contaminants in indoor air due to soil vapor intrusion at the current on-site building. The potential exists for indoor air quality impacts offsite.

PROJECT COMPLETIONS:
None reported
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BROWNFIELDS SITES INFORMATION REQUEST

FORMER GATEWAY FRENCH DRY CLEANERS **Facility Id: C224151**
3375−3377 NEPTUNE AVENUE, BROOKLYN, NY 11224

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224151
CLASSIFICATION CODE: C REGION: 2 DEC ID: 468402
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: Former Gateway French Dry Cleaners
STREET ADDRESS: 3375−3377 Neptune Avenue TOWN: New York City
CITY: Brooklyn ZIP: 11224 COUNTY: Kings

ESTIMATED SIZE: 0.04 Acre

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN−PLACE DATE:
Cover System	12/01/2016
Landuse Restriction	12/01/2016
Site Management Plan	12/01/2016
O&M Plan	12/01/2016
Environmental Easement	12/01/2016
Ground Water Use Restriction	12/01/2016
Vapor Mitigation	12/01/2016
Soil Management Plan	12/01/2016

CROSS REFERENCES:

IDENTIFIER	SOURCE

0906360	Spill No.
2014-04-10	Agreement/Consent Order Date
2016000423894	County Recording Identifier
C224151-01-13	Agreement/Consent Order Number
C224166	BCP Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: Bay Park one-A LLC (c/o Bay park One MM LLC)
Peter Gray
ADDRESS: 70 East 55th Street, 7th Flooor
New York, NY 10022

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: Coney Island Site 4A-1 Houses, Inc.
Peter Gray
ADDRESS: 70 E 55th Street, 7th Floor
New York, NY 10022

NAME: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Peter Gray
ADDRESS: 70 East 55th street 7th Floor
New York, NY 10022

DOCUMENT REPOSITORY(S):

NAME: brooklyn community Board 13 Repository Typ: Local Government
Stephen Moran
ADDRESS: 1201 surf Avenue 3rd Floor
Brooklyn, NY 11224

NAME: Coney Island Library
Angela Barnes
ADDRESS: 1901 Mermaid Avenue (Near W. 19th Street)
Brooklyn, NY 11224

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100.

Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from

Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip.

Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is "mixed use" (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings.

Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or "perc") as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013.

Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
TETRACHLOROETHENE (PCE)
NAPHTHALENE
TRICHLOROETHENE (TCE)

SITE ENVIRONMENTAL ASSESSMENT:
Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values.

Soil – PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data.

Groundwater – PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site.

Soil Vapor – PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air.

Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan.

SITE HEALTH ASSESSMENT:
Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.

PROJECT COMPLETIONS:

Operable Unit 00 − Site Management

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		12/16/2016	Actual

Operable Unit 01 − Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		12/22/2014	Actual
Remedial Action		12/16/2016	Actual

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BROWNFIELDS SITES INFORMATION REQUEST

365 BOND STREET **Facility Id: C224174**
365 BOND STREET, BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224174
CLASSIFICATION CODE: C REGION: 2 DEC ID: 478842
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: 365 Bond Street
STREET ADDRESS: 365 Bond Street TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 2.066 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN-PLACE DATE:
Cover System	07/09/2015
Landuse Restriction	07/09/2015
Site Management Plan	07/09/2015
O&M Plan	07/09/2015
IC/EC Plan	07/09/2015
Environmental Easement	07/09/2015
Ground Water Use Restriction	07/09/2015
Vapor Mitigation	07/09/2015
Soil Management Plan	07/09/2015

CROSS REFERENCES:

IDENTIFIER	SOURCE
06/05/13	Agreement/Consent Order Date
2015000236154	County Recording Identifier
C224174-05-13	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: LSG 365 Bond Street LLC
Mark Green c/o The Lightstone Group
ADDRESS: 1985 Cedar Bridge Avenue, Suite 1
Lakewood, NJ 08701

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: LSG 365 Bond Street LLC
Mark Green c/o The Lightstone Group
ADDRESS: 1985 Cedar Bridge Avenue, Suite 1
Lakewood, NJ 08701

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Public Library
Mr. John Leighton
ADDRESS: Carroll Gardens Branch
396 Clinton Street
Brooklyn, NY 11231

NAME: Brooklyn Community Board 6
Mr. Craig Hammerman
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201-6401

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The site is located at 365 Bond Street, Brooklyn, Kings County. The site is south of the intersection of Bond Street and First Street. It is bounded to the northeast by First Street, to the southeast by the Gowanus Canal, to the southwest by Second Street and to the northwest by Bond Street.

Site Features: The site is 2.066 acres in area. The former vacant lot is currently being re-developed with a 12-story mixed use commercial and residential building.

Current Zoning and Land Use(s): The site is zoned as M1-4/R7-2, a Special Mixed Use District comprised of light industrial, commercial and community facility (residential) uses. The site is bounded to the north by 1st Street across which is located a

BCP site, to the east by the Gowanus Canal, to the south by 2nd Street across which are located three-story residential buildings and one- and two-story commercial facilities, and to the west by Bond Street across which are located three-story mixed-use commercial and residential buildings.

Past Use of the Site: Past uses of the site include oil terminal (1886 through 1939); a building materials warehouse (1886 through 1915); a lumber company (1939); a paper products warehouse (1950); an electric wire and cable company (1969); and a warehouse (1977 through 1986). Other recorded uses of the site include an automobile storage and repair facility, and a dry cleaning facility. The previous owner performed the Phase I and the Phase II Environmental Site Assessments in 2004.

Site Geology and Hydrogeology: The site is underlain by an approximately 5.5- to 13-foot thick layer of miscellaneous fill material that is underlain by a 5- to 8-foot thick continuous clay confining layer. Groundwater is approximately 2.5 to 10 feet below ground surface (bgs). Due to the site's proximity to the Canal, groundwater flow is tidally influenced but generally flows to east/northeast. The clay confining unit is located approximately 9 feet to 10 feet bgs and separates the shallow aquifer from the lower groundwater unit.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
trichloroethene (TCE)
tetrachloroethene (PCE)
lead
mercury
xylene (mixed)
isopropylbenzene
phenol
arsenic
benzo(a)anthracene
benzo(a)pyrene
n-propylbenzene
barium
benzene
benzo(b)fluoranthene

SITE ENVIRONMENTAL ASSESSMENT:
Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, arsenic, lead, barium, mercury, xylene, trichloroethene (TCE), propylbenzene, tetrachloroethylene (PCE), benzene, phenol, n-propylbenzene, isopropyl benzene in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.

Groundwater contamination is nominal and will improve since the removal of contaminated soil is completed.

SITE HEALTH ASSESSMENT:
Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.

PROJECT COMPLETIONS:
Operable Unit 00 - Site Management

PROJECT	DESCRIPTION	END DATE	STATUS

Certificate of Completion	COC	11/06/2015	Actual

Operable Unit 01 − Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		03/31/2015	No Further Action
Remedial Action		11/06/2015	Actual

Operable Unit 01A − IRM (Soil Excavation/Soil Cover/Sub−slab Depressurization System)

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design	IRM	03/05/2014	Actual
Remedial Action		11/06/2015	Actual

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BROWNFIELDS SITES INFORMATION REQUEST

388 CARROLL STREET AND 363 BOND STREET **Facility Id: C224173**
388 CARROLL STREET AND 363 BOND STREET, BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: 400 CARROLL STREET AND 363 BOND STREET
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224173
CLASSIFICATION CODE: C REGION: 2 DEC ID: 478612
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: 388 Carroll Street and 363 Bond Street
STREET ADDRESS: 388 Carroll Street and 363 Bond Street TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 1.293 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN-PLACE DATE:
Cover System	07/17/2015
Monitoring Plan	07/17/2015
Site Management Plan	07/17/2015
O&M Plan	07/17/2015
IC/EC Plan	07/17/2015
Environmental Easement	07/17/2015
Ground Water Use Restriction	07/17/2015
Groundwater Treatment System	07/17/2015
Vapor Mitigation	07/17/2015
Soil Management Plan	07/17/2015

CROSS REFERENCES:

IDENTIFIER	SOURCE
08/14/13	Agreement/Consent Order Date
2015000236153	County Recording Identifier
C224173	BCP Site ID
C224173-07-13	Agreement/Consent Order Number
C224173-08-13	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: 363 Gowanus Developers, LLC
Benjamin Hoffer
ADDRESS: 90 Woodbridge Center Drive, 6th Floor
Woodbridge, NJ 07095

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: 363 Gowanus Developers, LLC
Benjamin Hoffer
ADDRESS: 90 Woodbridge Center Drive, 6th Floor
Woodbridge, NJ 07095

DOCUMENT REPOSITORY(S):

NAME: Brooklyn Public Library
Mr. John Leighton
ADDRESS: Carroll Gardens Branch
396 Clinton Street
Brooklyn, NY 11231

NAME: Brooklyn Community Board 6
Mr. Craig Hammerman
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201-6401

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: This site is made up of two adjacent parcels, one located at 388 Carroll Street and one located at 363 Bond Street in Brooklyn, NY. The eastern edge of the site borders the Gowanus Canal.

Site Features: A portion of the site contained a one- and two-story light industrial building and another portion is improved with a two-story residential building. Four decommissioned above ground storage tanks (ranging from 5,000 to 10,000 gallon capacity) also existed on the property. All buildings and structures were demolished in 2014 to facilitate remediation of the

site. The area of the two parcels that make up the site is approximately 1.293 acres.

Current Zoning and Land Use: The site is currently vacant. The site is current zoned MX−11 which is a mixed use district that allows residential, commercial, and industrial uses. The site is bounded to the north by a City of New York EMS station, to the east by the Gowanus Canal, to the south an active redevelopment site, and to the west by a three−story mixed−use commercial and residential building and a six−story residential building.

Past Use of the Site: Portions of this site have historically been used as paint manufacturer (1915), an oil terminal (1916 − 1950), and a warehouse (1950 − 1986). Other recorded uses of the site include an automobile storage and repair facility and a lumber company.

Site Geology and Hydrogeology: The site is underlain by an approximately 6−to−17 foot thick layer of miscellaneous fill which is underlain by a clay layer. Groundwater was generally observed at depths ranging from five to eight feet below ground surface. Groundwater flow is generally to the east but is affected by the tidal influence from the Gowanus Canal.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
- TRICHLOROETHENE (TCE)
- TETRACHLOROETHENE (PCE)
- TOLUENE
- BENZO(A)ANTHRACENE
- BENZO(B)FLUORANTHENE
- 1,2,4−TRIMETHYLBENZENE
- NAPHTHALENE
- XYLENE (MIXED)
- BENZO(A)PYRENE

SITE ENVIRONMENTAL ASSESSMENT:
Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluorathene in soil, and naphthalene, 1,2,4 − trimethylbenzene, toluene, and xylene in groundwater. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan.

SITE HEALTH ASSESSMENT:
Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site. Sampling indicates that the potential for soil vapor intrusion to occur needs to be evaluated off−site.

PROJECT COMPLETIONS:

Operable Unit 00 − Site Management

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		11/16/2015	Actual

Operable Unit 01 − Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		03/12/2015	Actual
Remedial Investigation		03/12/2015	Actual
Remedial Action		11/16/2015	Actual

Operable Unit 01A – IRM (Petroleum Remediation)

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		03/17/2014	Actual
Remedial Action		11/16/2015	Actual



BROWNFIELDS SITES INFORMATION REQUEST

450 UNION STREET **Facility Id: C224219**
450 UNION STREET, BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224219
CLASSIFICATION CODE: C REGION: 2 DEC ID: 507633
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: 450 Union Street
STREET ADDRESS: 450 UNION STREET TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 0.654 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN-PLACE DATE:
Cover System	10/05/2020
Subsurface Barriers	10/05/2020
Landuse Restriction	10/05/2020
Monitoring Plan	10/05/2020
Site Management Plan	10/05/2020
O&M Plan	10/05/2020
IC/EC Plan	10/05/2020
Environmental Easement	10/05/2020
Ground Water Use Restriction	10/05/2020

CROSS REFERENCES:

IDENTIFIER	SOURCE
2-611519	PBS No.
2020000271467	County Recording Identifier
C224219-06-15	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: 450 Union LLC
Robert Rieger
ADDRESS: 10 GLENVILLE STREET, SUITE 1
Greenwich, CT 06831

Owner Type: Innocent Owner NonRegistry-HazSubs

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: 450 Union LLC
Robert Rieger
ADDRESS: c/o Pilot Real Estate Group LLC
10 Glenville Street, Suite 1
Greenwich, CT 06831

NAME: 450 Union Developer LLC
c/o Robert Reiger
ADDRESS: 10 Glenville Street
Suite 1
Greenwich, CT 06831

DOCUMENT REPOSITORY(S):

NAME: Carroll Gardens Branch Library
ADDRESS: 396 Clinton Street
Brooklyn, NY 11231

NAME: Brooklyn Community Board 6
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The site is approximately 0.65 acres in size and is located in an urban area at 450 Union Street in the Gowanus neighborhood of Brooklyn, New York. The site is bounded by Union Street to the north, the Gowanus Canal to the east, a parking lot followed by President Street to the south, and Bond Street to the west.

Site Features: The site is currently improved with a one-story building and two storage sheds. The exterior portion of the

property contains an enclosed area for social events, a parking lot and driveway, and storage areas. A bulkhead which will separate the property from the Gowanus Canal was recently constructed.

Current Zoning and Land Use: The site is zoned M2-1 (manufacturing/industrial) and is currently used as a private event space, an art gallery, and an outdoor restaurant.

Past Use of the Site: The site was historically occupied by a coal and wood yard (1886-1928); a granite works (1915); a die casting/electroplating facility (1922); a garage (1918-1930); a fuel company, garage and office (1931); and a foundry (1930-2007).

Geology and Hydrogeology: The site sits at an elevation of approximately 10 feet above mean sea level and slopes down to the east towards the Gowanus Canal. The subsurface strata at the site is comprised of historic urban fill consisting of sand with varying amounts of gravel, silt, brick, coal, wood and concrete fragments. The historic fill layer extends to a depth of about 15 feet below grade surface and is underlain by clay and silt. The groundwater interface is at depths between 7 and 11 feet below grade surface. Groundwater beneath the site flows southeast toward the Gowanus Canal, which adjoins the site to the east.

CONTAMINANTS OF CONCERN (INCLUDING MATERIALS DISPOSED):
lead
chrysene
indeno(1,2,3-cd)pyrene
benzo(a)pyrene
benzo(k)fluoranthene
fluoranthene
naphthalene
coal tar

SITE ENVIRONMENTAL ASSESSMENT:
Nature and Extent of Contamination:
Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were SVOCs and metals in soil, and coal tar in groundwater. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan.

SITE HEALTH ASSESSMENT:
Remedial actions are complete and measures are in place to prevent potential exposure to remaining contamination on the site.

PROJECT COMPLETIONS:
Operable Unit 00 - Site Management

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		12/29/2020	Actual

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		10/23/2020	Actual
Remedial Design		10/23/2020	Actual
Remedial Action		12/29/2020	Actual

Operable Unit 01A - Soil and UST removal

PROJECT	DESCRIPTION	END DATE	STATUS

Remedial Action	IRM Soil Removal	04/15/2020	Actual

Operable Unit 01B − Bulkhead/Containment Barrier

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Action	Bulkhead construction	12/29/2020	Actual



BROWNFIELDS SITES INFORMATION REQUEST

TOLL BROOKLYN, LP **Facility Id: C224116**
64−98 1ST ST; 82−107 1ST ST; 119−145 2ND ST;, BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224116
CLASSIFICATION CODE: N REGION: 2 DEC ID: 348572
CLASSIFICATION CODE DESCRIPTION:
No further action

NAME OF SITE: Toll Brooklyn, LP
STREET ADDRESS: 64−98 1st St; 82−107 1st St; 119−145 2nd St; TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 3.57 Acres

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE

The following cross reference(s) have been deleted from the registry. Data reflects previous information.

0400876	Spill No.

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: CITIBANK, NA AND JOSEPH PHILLIPS
C/O HARTMAN & CRAVEN, LLP

```
    ADDRESS: 488 MADISON AVENUE
             NEW YORK, NY 10022

    NAME:    363 BOND STREET CORPORATION
             FOR 363 BOND ST PROPERTY (TAX #452-1)
    ADDRESS: 363 BOND STREET
             BROOKLYN, NY 11231

    NAME:    WOODEN BRIDGE, LLC
             DAVID LEFKOWITZ
    ADDRESS: 136 HICKS STREET
             SUITE 1C
             BROOKLYN, NY 1

  OWNER(S) DURING DISPOSAL:

  OPERATOR(S) DURING DISPOSAL:
    NAME:    FIBERWAVE TECHNOLOGIES
             JOHN ROMEO
    ADDRESS: 125 2ND STREET
             BROOKLYN, NY 11231

    NAME:    ALL-BRITE CLEANERS
             ANDREW MARTORELLI
    ADDRESS: 123 2ND STREET
             BROOKLYN, NY 11231

    NAME:    FRIEDKNIT CREATIONS
             FOR 363 BOND ST PROPERTY (TAX #452-1)
    ADDRESS: 363 BOND STREET
             BROOKLYN, NY 11231

    NAME:    WOODEN BRIDGE, LLC
             DAVID LEFKOWITZ
    ADDRESS: 136 HICKS STREET
             SUITE 1C
             BROOKLYN, NY 1

  APPLICANT REQUESTOR(S):
    NAME:    TOLL BROTHERS, INC.
             DAVID VON SPRECKELSEN
    ADDRESS: 16 COURT STREET
             SUITE 1009
             BROOKLYN, NY 11201

HAZARDOUS WASTE DISPOSAL PERIOD:
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SITE DESCRIPTION:
Remediation of the site is proposed under the Brownfield Cleanup Program.

The Toll Brooklyn, LP site is located in Kings County, NY and is comprised of three separate parcels, which were investigated separately between 1997 and 2005. The parcels include 363 Bond Street (Tax Block 452, Lot 1), 365 Bond Street (Tax Block 458, Lot 1) and 400 Carroll Street (Tax Block 452, Lot 15). The specific addresses listed in the BCP Application are: 64-98 1st Street; 82-107 1st Street; 119-145 2nd Street; 357-379 Bond Street; and 400-402 Carroll Street. Residential use is proposed for the Toll Brooklyn, LP site.

Due to rezoning issues, the applicant withdrew their BCP application without prejudice in December 2006.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
Despite the termination of this project, there is an ongoing spill investigation at this site. Spill #04-07393 was referred to the DEC Region 2 spills office in Long Island City, Queens County.

SITE HEALTH ASSESSMENT:
None provided

PROJECT COMPLETIONS:
None reported
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BROWNFIELDS SITES INFORMATION REQUEST

GOWANUS VILLAGE I, LLC − 420 CARROLL STREET **Facility Id: C224118**
420 CARROLL STREET, BROOKLYN, NY 11217

ADDRESS CHANGE INFORMATION
Revised street: 420 CARROLL ST
Revised zip code: 11215

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224118
CLASSIFICATION CODE: N REGION: 2 DEC ID: 356610
CLASSIFICATION CODE DESCRIPTION:
No further action

NAME OF SITE: Gowanus Village I, LLC − 420 Carroll Street
STREET ADDRESS: 420 Carroll Street TOWN: New York City
CITY: Brooklyn ZIP: 11217 COUNTY: Kings

ESTIMATED SIZE: 0.92 Acre

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond−

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE

The following cross reference(s) have been deleted from the registry. Data reflects previous information.

C224099	BCP Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: BOYMELGREEN DEVELOPERS
SARA MIRSKI − GOWANUS VILLAGE I, LLC

ADDRESS: 752 PACIFIC STREET
6TH FLOOR
BROOKLYN, NY 11238

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: BOYMELGREEN DEVELOPERS
SARA MIRSKI-GOWANUS VILLAGE I, LLC
ADDRESS: 752 PACIFIC STREET
6TH FLOOR
BROOKLYN, NY 11238

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
This is a new BCP application and pertains to the Gowanus Village I, LLC-420 Carroll Street located at 420 Carroll Street, Brooklyn, Kings County. This site is approximately .92 acres in size. Current use of this site is commercial and future use of this site will be residential. Suspected contaminants at this site are chlorinated solvents, pesticides, SVOCs and PCBs. These contaminants are impacting the soil and groundwater.

This BCP application is currently under review and the Department of Environmental Conservation will determine the application's approval and eligibility in conjunction with the Department of Health.

8/30/06: the BCP Application was denied.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
Information submitted with the BCP application and additional information submitted regarding the environmental conditions at the site were reviewed. It was determined that due to lack of known contamination and the unlikely potential for contamination would not complicate the redevelopment of the site, the application was denied.

SITE HEALTH ASSESSMENT:
None provided

PROJECT COMPLETIONS:
None reported
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BROWNFIELDS SITES INFORMATION REQUEST

234 BUTLER STREET **Facility Id: C224261**
234 BUTLER STREET, BROOKLYN, NY 11217

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224261
CLASSIFICATION CODE: N REGION: 2 DEC ID: 550328
CLASSIFICATION CODE DESCRIPTION:
No further action

NAME OF SITE: 234 Butler Street
STREET ADDRESS: 234 BUTLER STREET TOWN: New York City
CITY: Brooklyn ZIP: 11217 COUNTY: Kings

ESTIMATED SIZE: 1.19 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: 226 Nevins Street Corp.
Salvatore Tagliavia
ADDRESS: 234 Butler Street
Brooklyn, NY 11217

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: 226 Nevins Street Corp.
Salvatore Tagliavia
ADDRESS: 234 Butler Street
Brooklyn, NY 11217

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Public Library − Pacific Branch
ADDRESS: 25 4th Avenue
Brooklyn, NY 11217

NAME: Brooklyn Community Board 6
Gary Reilly
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
BCP Denial letter sent on 9/19/17.

Location: The site is located at 234 Butler Street in the Gowanus neighborhood of Brooklyn, New York (Kings County) and is denoted on the New York City Tax Map as Block 411, Lot 24. Alternative addresses for the site include 226 Nevins Street and 228 ˘ 240 Nevins Street. The site is located in an urban environment.

Site Features: The site occupies an area of about 52,000 square feet and consists of a two−story, brick and concrete masonry commercial building and adjoining one−story warehouse building along Butler Street, a brick and concrete masonry maintenance building containing eight contiguous vehicle garages along Nevins Street, and an exterior, concrete−paved parking and storage lot for sanitation trucks. According to a 1956 USGS Brooklyn N.Y Quadrangle 7.5−minute Series Topographic Map, the site sits at an elevation of about 12 feet above mean sea level (msl). The topography of the site is generally flat, and the surrounding area slopes to the west towards the Gowanus Canal, which adjoins the site to the southwest. The site is located on the northeastern portion of the city block bound by Butler Street to the north; Nevins Street to the east; Block 418, Lot 1, followed by DeGraw Street to the south; and Block 411, Lot 14 and the Gowanus Canal, followed by Bond Street to the west.

Current Zoning and Land Use: According to the New York City Planning Commission Zoning Map 16c, the site is located within a M2−1 manufacturing district. M2 districts occupy the middle ground between light and heavy industrial areas. The district has a maximum floor area ratio (FAR) of 2.0. The Department of City Planning is in the process of rezoning the Gowanus neighborhood to allow for more residential development; therefore, a mixed−use commercial and residential project is anticipated to be built at the site. The project will be consistent with the goals of the City Council as embodied in the NYC zoning districts. The New York City Department of Finance classifies the site buildings as "G−1 garage/gas station". The site has been owned by 226 Nevins Street Corp. since 1978.

Past Use of the Site: The following historical site usage may have led to site contamination: ? −City pipe yard (1904); ? −NYC water supply, gas and electricity department repair companies (1945 to 1949); ? −McNally Trucking Corp. (1969); ? −Truck and

automotive maintenance Inc. (1976); ? −Sanitation Repairs (1976 to the present); ? −Truck parking and motor freight station (1977 to 1988); ? −Diesel Corp. (1985 to 1992); and ? −Truck parking and sanitation truck repair (1991 to 2007).

Site Geology and Hydrogeology: The site is located in a developed area of Brooklyn, New York that is generally covered with paved roads, walkways and buildings. The built environment is generally underlain by fill material used for construction and development since the mid−1800´s. The following description of the proposed brownfield site geology and hydrogeology is derived from the environmental reports referenced in the Environmental Assessment section below. The area surrounding the Gowanus Canal, including the proposed brownfield site, was originally part of the former Gowanus Creek and associated wetlands. In 1848, the State of New York authorized construction of the Gowanus Canal as well as the draining and filling of the wetlands of South Brooklyn. By 1869, the Gowanus Canal was completed with the current street configuration surrounding the canal. According to soil descriptions provided in previous environmental investigations (discussed in Attachment C), the subsurface strata at the proposed brownfield site consists of historic fill material characterized by fine to coarse sand with varying amounts of cobbles, gravel, coal ash, brick, wood, clinkers, glass and paper ranging from directly below the surface to depths of 8 to 20 feet. The fill layer is underlain by silt and sand with trace amounts of gravel. Weathered bedrock was encountered at about 151 feet below ground surface (bgs) and bedrock (Fordham Gneiss) was encountered at about 159 feet bgs. According to the Fulton Municipal Works Former Manufactured Gas Plant (MGP) remediation investigation, groundwater depths range from about 5.65 to 7.05 feet bgs. Groundwater elevation measurements recorded from monitoring wells in the area indicate that the shallow groundwater, on the east side of the Canal, generally flows westward toward the Gowanus Canal at high and low tide levels. Groundwater in this area of New York City is not used as a potable water source. Potable water is provided to the site by the City of New York and is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
US Environmental Protection Agency (EPA) has determined that the property is part of the Gowanus Canal Superfund Site that is listed on the National Priorities List. Additionally, under ECL 27−1405(2)(e), there is currently an EPA environmental enforcement action related to contamination at the property, therefore the site was denied entry to the NYS BCP.

SITE HEALTH ASSESSMENT:
Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:
None reported
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BROWNFIELDS SITES INFORMATION REQUEST

242 NEVINS STREET **Facility Id: C224273**
242 NEVINS STREET, BROOKLYN, NY 11217

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C224273
CLASSIFICATION CODE: N REGION: 2 DEC ID: 568573
CLASSIFICATION CODE DESCRIPTION:
No further action

NAME OF SITE: 242 Nevins Street
STREET ADDRESS: 242 Nevins Street TOWN: New York City
CITY: Brooklyn ZIP: 11217 COUNTY: Kings

ESTIMATED SIZE: 1.19 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: 242 Nevins, Inc. Owner Type: Corporate or Commercial
Marino Mazzei
ADDRESS: 444 Third Street
Brooklyn, NY 11215

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: New Venezia LLC
Marino Mazzei
ADDRESS: 440 Third Avenue
Brooklyn, NY 11215

DOCUMENT REPOSITORY(S):
NAME: Brooklyn Public Library − Pacific Branch
ADDRESS: 25 Fourth Avenue
Brooklyn, NY 11217

NAME: Brooklyn Community Board 6
ADDRESS: 250 Baltic Street
Brooklyn, NY 11201

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location: The site is located in an urban area along the Gowanus Canal, within the Borough of Brooklyn, on the northwest corner of Nevins Street and Degraw Street.

Site Features: The site is currently improved with a two−story building, which occupies approximately 2,000 square feet of the parcel (242 Nevins Street) and a one−story building, which occupies approximately 16,000 square feet of the parcel (254 Nevins Street). The remainder of the parcel consists of parking, storage, and outdoor work areas associated with the buildings´ operations, to include vehicle and equipment storage and repair.

Current Zoning and Land Use: The site is currently zoned for industrial and manufacturing use (M2−1 district). The buildings are occupied by an automobile repair facility, commercial hauler, automobile upholsterer, production studio, plumbing contractor and general contractors whose operations include vehicle and equipment repair. Adjoining parcels are used for industrial, parking, and open space/recreational purposes, with the surrounding area generally consisting of industrial/commercial uses.

Past Uses of the Site: Past use of the site includes a coal company (approximately 1886 to 1950), automobile/vehicle repair (approximately 1938 to 1950, and 2013 to present), an unpermitted solid waste management facility (prior to 1994), a Resource Conservation and Recovery Act Large Quantity Generator (1988), and various trucking and contracting companies (approximately 1969 to present), including a petroleum transporter.

Site Geology and Hydrogeology: The site is located in a developed area of Brooklyn, generally covered with paved roads, walkways and buildings. The subsurface strata at the site consists of historic fill material characterized by loose silty sand with varying amounts of silt, sand, gravel, ash, asphalt, brick, clinkers, cobblestone, concrete, glass fragments, metal, and wood extending to depths of as great as 15 feet below grade surface (bgs). The historic fill material is underlain by alluvial deposits consisting of poorly sorted sands with gravel and marsh deposits, referred to as meadow mat, which consists of interbedded sands, clays and silts. Bedrock (Fordham Gneiss) was encountered at a depth of about 159 feet bgs. Groundwater was encountered between 4.54 and 5.6 feet bgs and generally flows westward toward the Gowanus Canal.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
US Environmental Protection Agency (EPA) has determined that the property is part of the Gowanus Canal Superfund Site that is listed on the National Priorities List. Additionally, under ECL 27-1405(2)(e), there is currently an EPA environmental enforcement action related to contamination at the property, therefore the site was denied entry to the NYS BCP.

SITE HEALTH ASSESSMENT:
None provided

PROJECT COMPLETIONS:
None reported

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INACTIVE HAZARDOUS WASTE DISPOSAL SITE REGISTRY INFORMATION REQUEST

HAMILTON AVENUE PIERS/19TH & 18TH ST. **Facility Id: 224007**
REAR OF 566 HAMILTON AVENUE BROOKLYN, NY 11232

ADDRESS CHANGE INFORMATION
Revised street: REAR OF 566 HAMILTON AVE.
Revised zip code: NO CHANGE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224007
CLASSIFICATION CODE: N REGION: 2 DEC ID: 55910
CLASSIFICATION CODE DESCRIPTION:
No further action

NAME OF SITE: Hamilton Avenue Piers/19th & 18th St.
STREET ADDRESS: Rear of 566 Hamilton Avenue TOWN: New York City
CITY: Brooklyn ZIP: 11232 COUNTY: Kings

ESTIMATED SIZE: 5.5 Acres

The following site type information has been deleted from the registry. Data reflects previous information.
SITE TYPE: Dump- Structure- Lagoon- Landfill-X Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE

The following cross reference(s) have been deleted from the registry. Data reflects previous information.

022	Senate District
13	Congressional District
NYD980768733	CERCLA EPA ID No.

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):

NAME: Strober Realty Co. Owner Type: Corporate or Commercial
BILL BOLER
ADDRESS: 550 HAMILTON AVENUE
BROOKLYN, NY 11232

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

The following disposal period has been deleted from the registry. Data reflects previous information.

HAZARDOUS WASTE DISPOSAL PERIOD: from 1974 to 1979

SITE DESCRIPTION:
This site is located in a commercial/industrial area within 70 feet of the Gowanus Canal, which empties into the Gowanus Bay of the New York Harbor. Approximately 10,000 people live within a half−mile radius of the site. The potable water supply for the area is the New York City reservoir system. Infor−mation received in a letter dated November 24, 1982, from the Brooklyn District Attorney's Office, indicates hazardous wastes were disposed of at the foot of 17th and 18th streets, off Hamilton Ave. in Brooklyn. The piers at the end of these streets behind Jetro Foods were filled in from 1974 to 1979. It is alleged that also over this period of time (1974 − 1979), hazardous wastes were regularly spread on the landfill during the night. Field work for the Phase II State Superfund investigation was completed, in 1989, to address the possibility of soil and groundwater contamination from on− site activities and to determine whether hazardous wastes had been released to the environment. The Phase II Investigation had five test borings drilled onsite, three of these were converted into monitoring wells. One well contained 1,2 dichlorobenzene at low concentrations. A supplemental site investigation workplan by the NYSDEC was approved in December, 1992; fieldwork was completed in spring of 1993. A review of additional information with supporting documentation provided by the PRP indicates that we are unable to pinpoint the source of contamination. Based on this, the site will be delisted for lack of documented disposal of hazardous waste.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
There are no environmental problems associated with the disposal of hazardous waste at this site.

ASSESSMENT OF HEALTH PROBLEMS:
None provided

PROJECT COMPLETIONS:
Operable Unit 01 − HAMILTON AVENUE PIERS/19TH

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization		03/01/1990	Actual



* INACTIVE HAZARDOUS WASTE DISPOSAL SITE REGISTRY INFORMATION REQUEST *

FORMER O.Z. ELECTRICAL **Facility Id: 224152**
198 DOUGLASS STREET BROOKLYN, NY 11217

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224152
CLASSIFICATION CODE: N REGION: 2 DEC ID: 450318
CLASSIFICATION CODE DESCRIPTION:
No further action

NAME OF SITE: Former O.Z. Electrical
STREET ADDRESS: 198 Douglass Street TOWN: New York City
CITY: Brooklyn ZIP: 11217 COUNTY: Kings

ESTIMATED SIZE: 0.17 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE

The following cross reference(s) have been deleted from the registry. Data reflects previous information.

0603334	Spill No.

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: Matthews Investments Limited Owner Type: Innocent Owner -Class 2a/2/3/4/5 HS
Stephen D. Kramer, Esq. c/o Phillips Nizer, LLP
ADDRESS: 666 Fifth Avenue
New York, NY 10103-0084

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:
NAME: Jean Lignel Operator Type: PRP − Non−Registry HazSubs
ADDRESS: 332 Bleecker St., Apt. 10
New York, NY 10014−2980

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
LOCATION: The Site is located at 198 Douglass Street in Brooklyn, between Bond Street and the Gowanus Canal.

SITE FEATURES: The property is 0.18 acres and features a one−story warehouse building which is currently used for the storage of art and antique goods and furniture.

CURRENT USE/ZONING: The property is currently used for the storage of antique goods. It is zoned for manufacturing use.
HISTORICAL USES: The Site has historically been used for a variety of industrial purposes. Prior to its current use, the Site was owned and operated by Paramount Plumbing (approx. 1995 to 1998) and O.Z. Electrical Manufacturing Company Inc. (approx. 1960 to 1995). O.Z. also formerly owned and operated on the adjacent property (196 Douglass) as well as three buildings to the west, across Bond Street (262 Bond Street). Earlier owners/operators include P.H. Hughes Lime, Brick and Lath Yard (approx. 1887 to 1900); a gravel/crushed stone yard (approx. 1900 to 1930); and the Knickerbockers Ice Company, which included a machine shop (1930?s).
SITE GEOLOGY AND HYDROGEOLOGY: Fill material consisting of sand, silt, gravel, and construction/demolition debris has been encountered to approximately 10 feet below ground surface (fbgs). Beneath the fill material (10 to 36 fbgs) is a sequence of inter−bedded silt, clay, sand, and peat layers atop fine to coarse−grained sand to a depth of approximately 48 fbgs. Groundwater has been encountered at depths ranging from 1.5 fbgs to 9 fbgs, during various investigations. USEPA Superfund investigations in the area of the Gowanus Canal have found that shallow groundwater flows toward the canal at both low and high tide. Intermediate groundwater generally flows upward toward the canal. Based on water chemistry measurements in surface water and groundwater (collected during Superfund investigations of the Gowanus Canal), it was concluded that infiltration from the canal controls water quality in shallow wells adjacent to the canal, with decreasing influence with distance from the canal. The site did not qualify for addition to the Registry of Inactive Hazardous Disposal Sites.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
NATURE AND EXTENT OF CONTAMINATION: A Site Investigation performed in April/May 2012 confirmed that tetrachloroethene (PCE) previously detected in groundwater was limited and not indicative of a release of hazardous waste.

GROUNDWATER: In 2006, PCE was detected in groundwater at a concentration of 1,600 parts per billion (ppb) and benzene at 14 ppb, from one grab groundwater sample collected from one boring. In the 2012 Site Investigation, groundwater was sampled from four groundwater monitoring wells. Groundwater samples were analyzed for volatile organic compounds (VOCs). Several VOCs were detected; however, the only contaminants detected at concentrations that exceed standards were isopropylbenzene (detected at 5.1 ppb compared to the standard of 5.0 ppb) and methyl tertiary butyl ether (MTBE) (detected at 10.7 ppb compared to the standard of 10 ppb). The standards cited for groundwater are the NYS Ambient Water Quality Standards and Guidance Values for Water Class GA from NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1.

SOIL: The 2012 Site Investigation included soil sampling from 7 soil borings and analysis for VOCs. The only contaminant detected above standards was isopropylbenzene, detected at 3.91 parts per million (ppm) compared to the CP-51 Supplemental Soil Cleanup Objective for protection of groundwater of 2.3 ppm. A few VOCs were detected on site in the 2006 soil boring, but at very low concentrations.

SOIL VAPOR: In soil vapor, trichloroethene (TCE) was detected in two samples at a maximum concentration of 200 micrograms per cubic meter (ug/m3); however TCE was not detected above reporting limits in concurrent indoor air samples. The site did not qualify for addition to the Registry of Inactive Hazardous Disposal Sites.

ASSESSMENT OF HEALTH PROBLEMS:
None provided

PROJECT COMPLETIONS:
None reported



**** INACTIVE HAZARDOUS WASTE DISPOSAL SITE REGISTRY INFORMATION REQUEST ****

FORMER BARRETT MANUFACTURING CO. **Facility Id: 224163**
627 SMITH ST. BROOKLYN, NY 11231

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224163
CLASSIFICATION CODE: N REGION: 2 DEC ID: 466165
CLASSIFICATION CODE DESCRIPTION:
No further action

NAME OF SITE: Former Barrett Manufacturing Co.
STREET ADDRESS: 627 Smith St. TOWN: New York City
CITY: Brooklyn ZIP: 11231 COUNTY: Kings

ESTIMATED SIZE: 1.04 Acres

SITE TYPE: Dump– Structure– Lagoon– Landfill– Treatment Pond–

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: Red Hook Developers Holdings, LLC Owner Type: Corporate or Commercial
c/o Crown Acquisitions, Inc.
ADDRESS: 362 Fifth Avenue
Suite 1201
New York, NY 10001

NAME: CF Smith, LLC Owner Type: Corporate or Commercial
ADDRESS: 404 Fifth Avenue
5th Floor
New York, NY 10018

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
See site C224163

Location:
The 45,400 square foot site is located at 627−641 Smith Street in the Borough of Brooklyn, Kings County, NY in an urban area.

Site Features:
The Site currently consists of a vacant 1−story warehouse and an asphalt−paved parking lot. The site warehouse is connected to the warehouse on the lot to the south.

Current Zoning/Use(s): The site is currently zoned as M3−1 (manufacturing).

Historical Use(s): The Site was occupied by Barrett Manufacturing Company, Storage and Shipping in the early 1900s. Later, Colonial Sand and Stone Company occupied the site in the 1950s. Black Diamond Cargo Line and Pittston Stevedoring Storage occupied the Site from the early 1960?s to the 1990s. The original occupant, Barrett Manufacturing, utilized nine coal tar storage tanks and two gasoline underground storage tanks (USTs) as part of their production of coal tar and roofing material. Additionally, Barrett Manufacturing operations occupied the entire city block west of the site (Block 492). Block 492 currently consists of three Lots: Lot 1, Lot 15, Lot 20. Block 492, Lot 1 is a State Superfund Site: Chemtura 633 Court Street ID No. 224146.

Site Geology and Hydrogeology: Soil borings conducted between 2005 and 2012 indicate there are alternating layers of sand and dense clay. Two to four separate aquifers are present at the site, separated by clay confining layers. Groundwater is present at a depth of 2 ? 4 feet below grade.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

SITE ENVIRONMENTAL ASSESSMENT:
See site C224163

Nature and Extent of Contamination:
Soil: Coal tar related VOCs and SVOCs are present above Unrestricted Use SCOs. These include naphthalene (7,700 mg/kg), benzo(a)anthracene (280 mg/kg), benzo(a)pyrene (250 mg/kg), and benzo(b)fluoranthene (190 mg/kg). Contaminated soil is present on−site in the vicinity of the former tar storage tanks, and extends to the eastern property boundary, which is bordered by the Gowanus Canal. Additionally, the area of contaminated soil extends off−site to the south, and upgradient to the west. High soil VOCs and SVOCs upgradient and adjacent to Block 492 indicate that Block 492 may be a source of coal tar related VOCs and SVOCs.

Groundwater: VOCs and SVOCs are present above Class GA Standard in twenty monitoring wells. The groundwater plume has not been delineated to the south or to the west.VOC and SVOC contamination extends to the eastern property boundary, which is bordered by

the Gowanus Canal. Napthalene is present at a concentration of up to 17,000 ug/l. Benzene is present at a maximum concentration of 11,000 ug/l. Toluene is present at a concentration of up to 7,300 ug/l.

Soil Vapor: Soil vapor samples have not been collected.

Significant Threat: No evaluation has been made thus far to determine if the contaminants represent an environmental significant threat.

ASSESSMENT OF HEALTH PROBLEMS:
None provided

PROJECT COMPLETIONS:
None reported