

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Western Avenue-Richmond Terrace

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1439; NYCDEP: 52267, 52268, 52269 and 52270
Temp TRC ID No.	NY 11
Abutter/Direct (A/D)	D (Quad 5)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The Site comprises the intersection of Western Avenue and Richmond Terrace. The proposed pipeline route runs north along Western Ave and through the eastern portion of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site comprises the intersection of Western Avenue and Richmond Terrace. Only information from the NYSDEC Spill Incidents database and an EDR Database Report was available for review; no investigative reports (e.g., sampling investigations or remediation activities) were included in the Site file.</p> <p>According to the NYSDEC Spill Incidents database, there is one spill case assigned to the Site (Case No. 9703717) which occurred at “the intersection of Western Avenue and Richmond Terrace” (exact location of spill unknown). Case No. 9703717 was reported to the NYSDEC on June 26, 1997 when approximately one quart of transformer oil was released as the result of equipment failure. According to the EDR database report, the transformer oil was released from a joint on a pole located on Western Avenue, onto the sidewalk (concrete) and a chain-linked fence. The faulty pole joint was “bagged”, a sample was collected (although it is not specified what media was sampled) and the spill was cleaned-up using “speedy dry”, a citrus cleaner, and oil absorbent pads. The faulty joint was repaired. PCBs were detected (4 ppm) in the sample collected. Reportedly, “all waste was disposed” off-site. Following submittal of a closure report, the NYSDEC closed the spill case on November 7, 2003.</p>
NYSDEC/NYCDEP/USEPA Site Name	Western Avenue/Richmond Terrace
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	N/A
Other Case Nos. (if any)	NYSDEC spill case no. 9703717
Address	Intersection of Western Avenue and Richmond Terrace, Staten Island, NY 10303; no exact street address included in the Site file.
Block/Lot	N/A
Site Property Acreage	N/A
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	NYSDEC spill case no. 9703717 closed 6/26/1997.
Case Mgr./Tel No.	C.A. Engelhardt (full name and telephone number not listed in Site file).
Topographic Land Surface Elevation (feet above mean sea level)	Approximately 20 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow; however, based on the nearby location of the nearest water body (Kill Van Kull), GW flow is presumed to be to the north.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	Unknown
Chromium Impact	N/A
Excavated Areas	Unknown
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Sidewalk (concrete) and chain-linked fence; spill cleaned up and NYSDEC spill case closed.
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	N/A
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	Responsible party was listed as Consolidated Edison.
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	The Site comprises the intersection of Western Avenue and Richmond Terrace. The proposed pipeline route runs north along Western Ave and through the eastern portion of the Site. Approximately one quart of transformer oil was released as a result of equipment failure; the spill was cleaned-up, a closure report was submitted, and the NYSDEC closed the spill case on November 7, 2003. Therefore, this Site is unlikely to adversely impact the proposed pipeline.

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Site Name: Former A&A Landfill

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-10-325 and R2-10-606; NYCDEP: 55809, 55810, 55811 and 55812; USEPA: 02-FOI-00743-10
Temp TRC ID No.	NY 113
Abutter/Direct (A/D)	D (Quad 4)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline transects the northwestern portion of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The proposed pipeline transects the northwestern portion of Block 1348, Lot 1. The approximate 36-acre "former A&A Landfill Site" is located on Block 1348, Lot 1 (eastern portion only) [owned by the Department of Business Services; possible easement with Office of Economic Development], and Block 1281, Lot 200 [owned by Vincent Bocchicchio Partnership], and is located 2,000 feet to the east and cross-gradient of the proposed pipeline. The only information included in the Site file pertained to the A&A Landfill Site and all information included in this site summary report refers to two areas located at least 1,200 feet southeast and 2,000 feet east of the proposed pipeline; i.e., no information regarding the area near the proposed pipeline, such as sampling data, was included in the Site file.</p> <p>The Site is part of a property formerly known as Arlington Yards, used by CSXT and its predecessors as a railroad repair, maintenance and storage yard in the 1940s. Illegal landfilling by lessees of the property occurred in 1988, resulting in the placement of over 500,000 cubic yards of fill in two waste mounds in the western and eastern portions of the Site ("West and East Plateaus"). Two ponds containing GW and stormwater are present in the western and eastern portions of the Site ("Western and Eastern Ponds"). Goethals Pond and associated wetlands are located adjacent and south of the Site. In 2005, the Staten Island Railroad constructed railroad tracks along the northern portion of the Site (operations commenced in 2007); these railroad tracks transect the proposed pipeline. The Site is not listed on the USEPA NPL database. Records from the NYCDEP Division of Emergency Response and Technical Assessment indicate that battery fluid, transformer oil, and combustive liquid (transformer oil) are stored on-site.</p> <p>CSXT and NYSDEC entered into Consent Orders R2-0262-89-09 and R2-0502-92-10 in March 1993 (amended September 1994) for investigation and closure of the landfill. Between 1988 and 1998, several site assessments were performed to characterize soil, GW and SW conditions at the Site and at the adjoining Goethals Pond, resulting in a phytoremediation system of approximately 500 hybrid poplar trees installed in 1999 along the southern and southwestern sides of the West and East Plateaus (the phytoremediation system is located more than 2,000 feet east of the proposed pipeline). A shallow GW collection system was installed in 2004, down-gradient of the phytoremediation system, to further enhance the performance of the phytoremediation system.</p> <p>No soil sampling data was included in the Site file.</p> <p>On-site GW and soil gas monitoring have been performed quarterly since 1998 and SW (Goethals Pond) and sediment sampling has been performed semi-annually since 1988. The closest GW monitoring wells to the proposed pipeline are located approximately 2,250 feet to the east. According to 2009 and 2010 Arcadis Post-Closure Environmental Monitoring Reports, and 2007 to 2009 Arcadis Remediation System Evaluation and Enhancement reports, the GW throughout the Site is impacted with metals, ammonia and other landfill leachates. Construction of a landfill cap was completed in April 2004 and a Landfill Certification Closure Report was submitted to the NSYDEC in February 2008 and is currently under NYSDEC review. The landfill was closed in 2004 in accordance with NYSDEC Part 360 requirements and the landfill closure design. Capping of the landfill included drainage modification from the landfill plateaus into swales (discharge point unknown).</p> <p>As part of Site closure activities, the NYSDEC requested an evaluation of the effectiveness of the phytoremediation system. The results indicated the phytoremediation system achieved estimated growth rates and that GW quality trends in down-gradient wells indicated a lower rate of contaminant mass removal/degradation in the deep flow zone than in the shallow zone. GW quality within the shallow flow system showed "significant improvements", as indicated by declining concentrations of landfill derived parameters. This decrease was attributed to the phytoremediation and GW collection systems, natural attenuation processes, and the landfill cap. A Feasibility Study for Remedial Enhancement (Arcadis, April 2009) was performed to evaluate remedial alternatives for containment and treatment of GW in the deep flow zone. GW extraction via recovery wells was determined to be the preferred remedial technology to mitigate the GW impacts within the deep flow zone, and pilot tests were conducted to determine the feasibility of</p>

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Review Task	Site Information
	<p>GW recovery wells. Arcadis concluded that the best approach would be to “pump and discharge GW off-site to a local sanitary sewer”. No information regarding whether or not this approach has been implemented was included in the Site file.</p> <p>The most recent report included in the Site file (March 2010) summarizes the results of a December 2009 GW and SW sampling event (see below sections for more details). This report indicates that continued operation and maintenance of the GW collection system, landfill maintenance, and monthly site inspections would be completed during the first quarter of 2010.</p>
NYSDEC/NYCDEP/USEPA Site Name	A&A Landfill; Former A&A Landfill
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	NYSDEC Consent Orders R2-0262-89-09 and R2-0502-92-10; USEPA Superfund ID NYD986959633 (archived site)
Other Case Nos. (if any)	<p>NYSDEC Spill Case No. 0304642: closed 10/10/03; Cause – tank failure, unknown amount of diesel affecting GW.</p> <p>NYSDEC Spill Case No. 9713435: closed 4/13/1998; Cause – unknown, 1 gallon of petroleum released onto soil.</p> <p>NYSDEC Spill Case No. 0110524: closed 8/18/2009; Cause – equipment failure; 1 gallon of hydraulic oil released onto soil.</p> <p>NYSDEC Spill Case No. 0708112: closed 10/26/2007; Cause – unknown; unknown amount of hydraulic oil released onto soil.</p>
Address	278, 280 and 290 South Avenue, and 331 Western Avenue, Staten Island, NY 10303
Block/Lot	Block 1348, Lot 1; and Block 1284, Lot 200
Site Property Acreage	<p>Block 1348, Lot 1 - approx. 99 acres</p> <p>Block 1284, Lot 200 - approx. 19 acres</p> <p>The former A&A Landfill, located on Block 1348, Lot 1 (eastern portion only), and Block 1284, Lot 200, comprises approx. 36 acres.</p>
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Landfill closed and capped in 2004. On-going environmental monitoring (GW, SW and soil gas) under NYSDEC Consent Orders.
Case Mgr./Tel No.	Kenneth Brezner, P.E. / telephone number not included in Site file
Topographic Land Surface Elevation (feet above mean sea level)	Approximately 10-25 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No; however, see attached Site plans
Depth to Ground Water (feet below surface)	GW at the Site was observed at depths ranging from 3.6 feet bg to 37.9 feet bg – no information regarding depth to GW within 2,000 feet of the proposed pipeline was included in the Site file.
GW Flow Direction/Contour Maps	Southwest towards Goethals Pond (see attached contour maps)
Soil Description/Permeability	<p>Two primary water bearing units underlie the Site and are identified as the “shallow zone” and the “deep zone”:</p> <p>The unconfined shallow zone occurs within shallow unconsolidated deposits, and is comprised of fill (coal, ash cinders, sand and gravel) underlain by fine to medium sands and gravel (“fill/sand unit”). The fill/sand unit is underlain by a dense reddish-brown clay and silt (till).</p> <p>The confined deep zone is comprised of sands with some gravel, silt and clays which occur at a depth of approximately 25 to 30 feet bg, and is isolated within the deeper till unit. Low permeability deposits (till) underlie the deep zone and extend to bedrock.</p>
Historic Fill Material/Depth (feet below surface)	Yes, see above soil description.
Soil Contamination (type/extent/depth)	HFM, present in the West and East Plateaus. No soil data were provided in the Site file; however, it is likely that soil at the Site has been impacted by former illegal landfilling activities.
Chromium Impact	N/A - No soil sampling data was included in the Site file; GW samples contained concentrations below the NYCDEP effluent limitations.
Excavated Areas	None known.
Product	N/A
GW Contamination (type/extent/[aquifer] depth)	According to 2009 and 2010 Arcadis Post-Closure Environmental Monitoring Reports, and 2007 to 2009 Arcadis Remediation System Evaluation and Enhancement reports, the GW throughout the Site is impacted with metals (barium, boron, iron, magnesium, manganese, selenium, sodium and arsenic), ammonia, bromide, chloride, sulfate, nitrogen and phenolics at concentrations above their respective regulatory criteria. Lead was historically detected in the on-site GW above regulatory criteria.

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Review Task	Site Information
Other Impacted Media (SW/Sed)	<p>SW samples collected from the Goethals Pond, located approximately 1,200 feet southeast of the proposed pipeline, contained elevated concentrations of metals including aluminum, boron, iron and manganese (all attributed by Arcadis to the surrounding urban properties and not activities associated with the A&A Landfill).</p> <p>On-site sediment sampling has been performed semi-annually since 1988; however, no sediment sampling data or figures depicting sample locations were included in the Site file.</p> <p>Soil gas samples contained “low concentrations” of methane in two monitoring points, percent LEL was detected in three monitoring points, lower percent oxygen was detected in seven monitoring points, and “higher” CO₂ levels were detected in six monitoring points. The closest monitoring point to the proposed pipeline is located approximately 2,100 feet to the east-southeast.</p>
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	The Site address was not identified on the NYSDEC PBS database. However, NYSDEC Spill Case No. 0304642 (closed 10/10/03) was reportedly caused by a tank test failure indicating the potential presence of a petroleum storage tank.
Engineering Controls	Phytoremediation and shallow GW collection system. The landfill was closed and capped in 2004. Capping of the landfill included drainage modification from the landfill plateaus into swales (discharge point unknown); infiltration of precipitation through the waste was mitigated. No information regarding the cap location or further information regarding cap construction was included in the Site file; however, the cap likely covers the West and East Plateaus which are located more than 2,000 feet east of the proposed pipeline. According to the Arcadis reports, the “Closure Report” for the landfill, outlining cap installation, was prepared by Gannett Flemming (2005); this report was not included in the Site file. As part of the landfill closure, a shallow GW collection system (GWCS) was installed in 2004 to further supplement the phytoremediation system. The GWCS comprises a 500-foot long collection trench, pumping station, and two 250-foot long drains that discharge to a centrally located pumping station (collection sump). The GWCS is located south of the West Plateau, down-gradient of the phytoremediation system, and approximately 0.5-miles east of the proposed pipeline (see attached figure). The phytoremediation system comprises approximately 500 hybrid poplar trees along the southern and southwestern sides of the West and East Plateaus, located more than 2,000 feet east of the proposed pipeline.
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The approximate 36-acre “former A&A Landfill Site” is located on Block 1348, Lot 1 (eastern portion only), and is located 2,000 feet to the east and cross-gradient of the proposed pipeline. The only information included in the Site file pertained to the A&A Landfill Site and all information included in this site summary report refers to two areas located at least 1,200 feet southeast and 2,000 feet east of the proposed pipeline; i.e., no information regarding the area near the proposed pipeline, such as sampling data, was included in the Site file; and no soil sampling data for the Site was included in the Site file.</p> <p>Between 1988 and 1998, several site assessments were performed to characterize soil, GW and SW conditions at the Site and at the adjoining Goethals Pond, resulting in a phytoremediation system installed in 1999 more than 2,000 feet east of the proposed pipeline. A supplemental shallow GW collection system was installed in 2004, down-gradient of the phytoremediation system.</p> <p>The closest GW monitoring wells to the proposed pipeline are located approximately 2,250 feet to the east; the GW throughout the Site is impacted with metals, ammonia and other landfill leachates. Construction of a landfill cap was completed and the landfill was closed in 2004; capping of the landfill included drainage modification from landfill plateaus into swales. On-going environmental monitoring (GW, surface water, and soil gas) is being performed in addition to continued operation and maintenance of the GW collection system, landfill maintenance, and monthly Site inspections.</p> <p>Although the proposed pipeline runs through the western portion of the Site, the area of concern identified during the file review is located more than 2,000 feet east of the proposed pipeline. No GW or soil investigation reports for the areas near the proposed pipeline were included in the Site file. If landfill operations are limited to the “A&A Landfill” portion of the Site, it is unlikely that the Site will adversely impact proposed pipeline installation activities given its relative distance (greater than 2,000 feet). However, the proposed pipeline transects railroad tracks present near the northern Site boundary.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: NYSDOT Richmond Terrace

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1438; NYCDEP: 52263, 52264, 52265, and 52266
Temp TRC ID No.	NY 12
Abutter/Direct (A/D)	D (Quad 5)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline route transects the southern portion of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site is owned and operated by the New York State Department of Transportation (NYSDOT) and is located immediately adjacent and south of the Kill Van Kill waterway. According to historic Sanborn maps, former on-site structures included a machine shop; erecting shop; finishing and riveting shop; temple shop; paint shop; traveling crane lines; and a network of rail lines. No further information was available regarding previous ownership/operator history. Additionally, it appears that the Site was formerly operated by the former southern-adjointing Milken Brothers facility (see TRC ID NY 15).</p> <p>Files available for review included 1) a NYSDEC PBS facility information report; and 2) the laboratory data package from a September 29, 1995 Investigative Summary and Remedial Plan for Upgrading, Replacement, and Decommissioning of Petroleum Product Storage Tanks (prepared by Recon Environmental Corp. for the Department of General Services). Additionally, only waste characterization laboratory analytical data (soil), GW laboratory analytical data, and waste manifests were available from the 1995 report.</p> <p>Based on the 1995 report, it appears that excavation activities were performed in association with the closure/removal of PBS tanks. Waste characterization (soil) and GW samples were collected and there may be GW monitoring wells on-Site (based on the sample names used for the GW samples i.e., "MW-1"); GW monitoring well locations and the excavation dimensions and location are unknown. GW samples were collected from three monitoring wells in July 1995 for VOC and SVOC analyses; no targeted compounds were detected.</p> <p>Three soil samples were collected for waste characterization purposes: the first soil sample was collected in January 1995 for VOC analysis; results included detectable concentrations of methylene chloride (1.7 ppm), m,p-xylenes (4.5 ppm) and o-xylene (0.98 ppm), all above their respective NYSDEC TAGM No. 4046 Recommended Soil Cleanup Objectives (RSCOs); two soil samples collected in July 1995 for full toxicity characteristic leaching procedure (TCLP) parameters did not contained exceedances of targeted compounds above their respective RCRA standards for the toxicity characteristics.</p> <p>Two waste manifests from "excavation dewatering" were also available. According to the manifests, 2,300-gallons of "oil-water mixture" and 5,500-gallons of "wastewater" were removed from the Site.</p> <p>According to the NYSDEC spill incidents database, one spill case and one possible spill case assigned to the Site are closed by the NYSDEC.</p> <p>Case No. 9413853 was reported on January 18, 1995 when contaminated soil was observed during UST removal activities. The impacted area was reported to have been within 200 feet from the Kill Van Kull. The regulatory agency database report indicates remediation was completed; the "site" was "closed" September 16, 1999; on-site monitoring wells were abandoned; and "no further action" was warranted. The spill case was closed by the NYSDEC on November 3, 2003. It is likely that the PBS tank removal and sampling activities documented in the Investigative Summary and Remedial Plan were related to the spill case.</p> <p>The second (possible on-site) spill case (Case No. 9406214) was reported on August 5, 1994 under the spill name "3515 Richmond Terrace" and address "3531 Richmond Terrace", when an unknown amount of petroleum was released from abandoned drums onto soil (spill location unknown). Based on information obtained from Google Earth, 3531 Richmond Terrace may be an alternate address for the Site. The NYSDEC closed the spill case on August 8, 1994. No further information was available; specifically, regarding whether any soil and/or GW samples were collected or whether there was any GW impact.</p>
NYSDEC/NYCDEP/USEPA Site Name	NYSDOT Richmond Terrace, NYC Department of General Services
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	NYSDEC PBS ID 2-480002; USEPA RCRA Hazardous Waste ID NY0000709428 (inactive)
Other Case Nos. (if any)	NYSDEC spill case nos. 9413853 and 9406214 (possible, see above)
Address	3551 Richmond Terrace (a.k.a. 3531 Richmond Terrace), Staten Island, NY 10303

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Review Task	Site Information
Block/Lot	Block 1301; Lot 1
Site Property Acreage	Approx. 53 acres (based on information obtained from Property Shark)
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Spill case nos. 9413853 and 9406214 - closed
Case Mgr./Tel No.	Krimgold (full name and telephone number not listed in Site file.
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 5 to 10 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow direction; however, based on the location of the northern-adjointing nearest water body (Kill Van Kull), GW flow is presumed to be to the north.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	Three soil samples were collected for waste characterization purposes: the first soil sample was collected in January 1995 for VOC analysis; results included detectable concentrations of methylene chloride (1.7 ppm), m,p-xylenes (4.5 ppm) and o-xylene (0.98 ppm), all above their respective NYSDEC TAGM No. 4046 Recommended Soil Cleanup Objectives (RSCOs); two soil samples collected in July 1995 for full toxicity characteristic leaching procedure (TCLP) parameters did not contained exceedances of targeted compounds above their respective RCRA standards for the toxicity characteristics.
Chromium Impact	N/A
Excavated Areas	Based on the available information it appears there was excavation activities relating to the closure/removal of on-site PBS tanks; the location and dimensions of the excavation(s) are unknown.
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Three GW samples were collected from on-site monitoring wells (locations unknown) in 1995 for VOC and SVOC analyses; no targeted compounds were detected. According to a regulatory agency database report, the monitoring wells were abandoned.
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	NYSDEC PBS ID 2-480002. There are 21 registered ("closed-removed") PBS tanks listed for the Site (2 ASTs and 19 USTs) including one 275-gallon lubricating oil AST; one 4,000-gallon gasoline AST; two 3,000-gallon gasoline ASTs; one 4,000-gallon diesel AST; and sixteen 550-gallon gasoline USTs (tank locations unknown).
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	The proposed pipeline route transects the southern portion of the Site. Several USTs were removed from the Site c. 1995, although the location of the USTs was not identified; impacted soil was excavated; no GW impact was detected. A regulatory agency database report indicates remediation was completed; the Site was "closed" September 16, 1999; on-site monitoring wells were abandoned; and "no further action" was warranted. The proposed pipeline may transect these area(s).

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Bayview Auto Wreckers

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-113 and R2-09-1338; NYCDEP: 51684, 51685, 51686 and 51687.
Temp TRC ID No.	NY 13
Abutter/Direct (A/D)	A (Quad 5)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	<p>The proposed pipeline route, which formerly transected the southwest portion of the Site, was revised, and now runs through the Kill Van Kull waterway approximately 400 feet north of the Site.</p>
<p>Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)</p>	<p>The Site is owned by Mr. Michael Fanelli and is occupied by an automobile salvage facility (Bayview Auto Wreckers, Inc. [Bayview]). Current on-site operations include the dismantling, storage, and selling of reusable automobile parts. Bayview has operated at the Site for over 25 years. According to historic Sanborn maps, the Site was also identified as a used lumber and pilings yard from sometime before 1950 to sometime after 1996. No further information was available regarding previous owner/operator history. The Site is located adjacent to and south of the Kill Van Kull waterway.</p> <p>According to the NYSDEC Spill Incidents Database, there are 11 spill cases assigned to the Site (spill dates ranging from 1991 to 2007), all of which have been closed by the NYSDEC on or before August 11, 2008. The spill cases were related to the release of petroleum products (generally waste/used oil and motor oil) onto on-site soil and into the adjoining Kill Van Kull waterway (exact spill locations unknown). According to NYSDEC spill report forms, the Site has a history of run-off issues (oil into the Kill Van Kull) and poor housekeeping practices. As indicated on the NYSDEC spill report forms, spills were generally caused by human error and poor housekeeping practices. NYSDEC spill report forms were available for all 11 spill cases, including two spill cases (case nos. 0111829 and 0613901) with greater detail provided; specifically, a subsurface investigation summary report was available for review for Case No. 0111829. These two spill cases are discussed in greater detail below.</p> <p>A Site inspection was performed by the NYSDEC in October 2003 and a summons was issued to the Site owner because “a large amount of motor oil” was reportedly being released from the Site onto the neighboring property’s yard (unknown location), and as a result, spill case no. 0111829 was assigned to the Site. A Stipulation Agreement and Corrective Action Plan were formalized in January 2004. A <i>Summary Report for the Subsurface Investigation Program</i> was prepared by Berninger Environmental, Inc (BEI) (report dated February 10, 2005, fieldwork performed December 2004); and included the advancement of 15 soil borings and temporary monitoring wells, and collection of 14 soil and 4 GW samples. Soil boring depths ranged from 4 to 16 feet bg. Product was not identified in the soil borings or at the soil/GW interface (12 to 14 feet bg); however, a “slight sheen” was identified at one soil boring (SB-L) near the on-site oil/water separator (OWS) at the soil/GW interface. Soil sampling results indicated the presence of VOC and SVOC impacts from grade to 4 feet bg; three borings (SB-A, C, and E) exhibited VOC concentrations exceeding TAGM No. 4046 (specifically, benzene [max = 180 ppb], xylenes [max = 2,010 ppb], and MTBE [max = 310 ppb]); seven borings (SB-C, E, F, G, H, I and N) exhibited SVOC concentrations above TAGM No. 4046 (specifically, PAHs and bis(2-methyhexyl)phthalate)(150,000 ppb). GW sampling results indicated the presence of low concentrations of MTBE (max = 41 ppb). GW was shown to flow towards the north, away from the proposed pipeline. BEI concluded that limited petroleum-related impacts were present in shallow subsurface soils (grade to 4 feet bg) in several areas of the Site resulting in limited GW contamination (MTBE) attributable to historic and current Site operations; product was not observed during the GW investigation. Additionally, other than one PAH, likely attributable to the presence of the overlying historic fill material (HFM), up-gradient wells did not contain elevated concentrations of targeted compounds. See attached figure for soil boring locations.</p> <p>Based on the subsurface investigation program findings, the NYSDEC requested that Bayview remove contaminated soil at the location of boring SB-E from grade to 4 feet bg to remediate the “very high concentration of bis(2-methyhexyl)phthalate”. The NYSDEC also required Bayview to seal any cracks or breaks in pavement, install a barrier to direct liquids to the OWS, clean-out and return the OWS to functional condition, and put into effect a “Best Management Plan”. Excavation activities in the area of SB-E were performed in 2006 and post-excavation sidewall and bottom samples were collected (extent of excavation and locations of post-excavation samples unknown). The excavated area was backfilled with clean fill, a “concrete mat” was installed, and “all other areas” were sealed; it is unknown whether this concrete mat constitutes a cap. The NYSDEC indicated that post-excavation results were “acceptable”. However, post-excavation soil sampling results for PAHs were still slightly above TAGM No. 4046 RSCOs (bottom and east wall samples). SVOCs identified at the Site at elevated concentrations were typical of HFM and were not detected in soil samples collected at depths greater than 4 feet bg (sampling locations unknown). In a letter to NYSDEC dated January 17, 2007, BEI indicated a barrier already existed at the Site (installed in February 2005), and provided NYSDEC with documentation that the OWS was serviced by Clean</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
	<p>Water of NY. Based on the post-excavation results and provided documentation, the NYSDEC closed the spill case on January 25, 2007.</p> <p>Following closure of Spill Case No. 0111829, the NYSDEC performed an additional Site inspection in March 2007, when poor housekeeping practices were again observed. NYSDEC opened Spill Case No. 0613901 and issued a letter to Bayview with a list of stipulations to clean-up the Site. Some requirements included obtaining equipment to properly catch all fluid drained from vehicles, placing absorbent materials around all equipment, removing all oil-contaminated soil from the OWS and drainage trenches, power-washing oil stained areas, and relining/repaving the OWS drainage trench. In December 2007, NYSDEC performed another Site inspection and noted that the "Site seemed improved" and closed Spill Case No. 0613901 on December 19, 2007.</p>
NYSDEC/NYCDEP/USEPA Site Name	Bayview Auto Wreckers Inc.; Bayview Auto Wrecker; Bayview Auto
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	NYSDEC PBS ID 2-603543; AFS Plant ID 2640100263; NPDES ID NYR00B208
Other Case Nos. (if any)	NYSDEC spill case nos. 0613901; 0301354; 0111829; 9302354; 9100846; 9612784; 9603803; 9304890; 0201219; 0006258; and 9605651
Address	3333 Richmond Terrace, Staten Island, NY 10303
Block/Lot	Block 1208; Lot 30
Site Property Acreage	Approx. 15 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Eleven spill cases all closed by NYSDEC on or before August 11, 2008
Case Mgr./Tel No.	Spill Case No. 0111829 – Raphael Ketani / (718) 482-4634
Topographic Land Surface Elevation (feet above mean sea level)	Approximately 6 to 13 feet amsl (based on information obtained from Google Earth).
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	13 feet bg (site-wide average)
GW Flow Direction/Contour Maps	North (see attached figure)
Soil Description/Permeability	According to the Feb 2005 BEI Report, the "shallow- and intermediate-depth soil column comprised dark-colored organic-rich fill material intermixed with clay, silt, debris, etc., followed by gray-brown intertidal deposits grading into highly weathered mica schist". In areas of deeper fill, red-brown silty or sandy clay were noted.
Historic Fill Material/Depth (feet below surface)	The Site is underlain by HFM (see above); no further information was included in the Site file.
Soil Contamination (type/extent/depth)	Documented shallow subsurface soil contamination (VOCs and SVOCs) from grade to 4 feet bg.
Chromium Impact	Unknown
Excavated Areas	BEI excavated the area of boring SB-E to a depth of 4 feet bg in November 2006; excavation extent unknown (see attached figure).
Product	Product was not encountered during the subsurface investigation.
GW Contamination (type/extent/[aquifer] depth)	<p>According to Figure 2 in the 2005 BEI Report, there are six GW monitoring wells on-site, although no information was available regarding the construction, monitoring or sampling of these wells.</p> <p>"Limited" on-site GW contamination included MTBE (max = 41 ppb).</p>
Other Impacted Media (SW/Sed)	SW - Documented releases into the Kill Van Kull waterway.
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	NYSDEC PBS ID 2-603543 - Three registered "in-service" waste/used oil ASTs (two 250-gallon and one 500-gallon ASTs) in contact with soil; no information was available regarding the on-site location of these tanks.
Engineering Controls	The Site is covered with a layer of concrete with a thin layer of soil and sawdust on top of the concrete; it is likely that this concrete layer constitutes a cap, although no information was available regarding its extent.
Deed Notice/CEA	Unknown (see engineering controls above)
Other Remedial Measures	An OWS and drainage trench are present on-site to prevent run-off into the Kill Van Kull.
Other Information	<p>According to the USEPA Envirofacts website, the Site has "potential uncontrolled emissions < 100 tons/year".</p> <p>A letter to NYSDEC from the Site owner to the NYSDEC dated April 12, 2007 indicated mercury switches were formerly present on-site.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The Site contains an automobile salvage facility; the proposed pipeline route, which formerly transected the southwest portion of the Site, was revised, and now runs through the Kill Van Kull waterway approximately 400 feet north of the Site.</p> <p>There are 11 spill cases assigned to the Site, all of which have been closed by the NYSDEC.</p> <p>Based on the distance of the proposed pipeline from the Site, this Site is not expected to adversely impact pipeline installation activities.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: McAllister Towing

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1436; NYCDEP: 52255, 52256, 52257 and 52258.
Temp TRC ID No.	NY 14
Abutter/Direct (A/D)	A (Quad 5)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline route, which formerly ran adjacent to the Site's southern boundary, was revised, and now runs through the Kill Van Kull waterway approximately 900 feet north of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site contains a marine towing and transportation facility operated by McAllister Towing of New York, LLC. The Site is located adjacent to and south of the Kill Van Kull waterway. Prior to McAllister Towing, the Site was occupied by a shipyard. According to historic Sanborn maps, there was a network of rail lines on-site and adjacent and east of the Site from sometime before 1917. Historic Sanborn maps also indicate that four fuel oil ASTs were located adjacent and approximately 30 feet north of the proposed pipeline route and within the study corridor from sometime before 1937 to sometime after 1962. Additionally, portions of the Site were filled sometime after 1917 and again after 1937. No other information was available regarding previous ownership/operator history.</p> <p>The Site is listed on the NY Manifest database for the generation of hazardous waste including non-listed ignitable waste, lead, and "other miscellaneous PCB wastes". The Site is listed on NJ Spills database (Case No. 05-07-11-1412-40) for a release into the Kill Van Kill waterway; this spill case status is listed as "terminated". The Site is also listed on the ERNS database with six spill incidents (ERNS Site IDs 98463036 – NA (55-gal drum-removed); 98421141 – NY Spill No. 9711915; 8855011 – NY Spill No. 9110919; 2005765100 – NJ Spill No. 05-07-11-1412-40; 2005757594 – NY Spill No. 0501366; and 2008860414 – NY Spill No. 0904711), all in relation to petroleum releases into surface water (i.e., "Kill Van Kill", "Arthur Kill", "NY Harbor", and "Mariners Harbor"). All spills reports associated with an ERNS ID are listed as <i>closed</i>. The Site is identified as an active RCRA large quantity generator (LQG ID No. NYD986949758).</p> <p>According to the NYSDEC spill incidents database and an EDR database search report, there are nine spill cases assigned to the Site (spill dates between January 1992 to July 2009); all cases were closed by the NYSDEC on or before July 24, 2009. The spill cases were related to the release of petroleum products (predominantly waste/used oil, diesel, transformer oil and gasoline; generally into surface water).</p> <p>An approximately 10 foot x 10 foot area (depth unknown) was excavated during the removal of impacted soil in the southeastern portion of the eastern pier (Pier No. 7, Case No. 0501366). Post-excavation sampling did not detect elevated concentrations of VOCs or SVOCs above their respective TAGM RSCOs. However, background soil samples contained several PAHs marginally above their respective TAGM RSCOs; attributed to "typical NYC urban fill".</p> <p>A second excavation (4 foot x 4 foot area) was conducted following a six-gallon transformer oil release into a subsurface vault (Case No. 0613699); the exact location of the excavation was not included in the Site file.</p> <p>No information was included in the Site file regarding on-site GW sampling.</p>
NYSDEC/NYCDEP/USEPA Site Name	Mariners Harbor; New York Marine; McAllister Towing; US Coast Guard – Barge Nathan B; McAllister Towing of NY
Alternate/EPL Facility Names (if any)	McAllister Towing and Transportation Company, Inc.
NYSDEC/NYCDEP/USEPA ID No.	USEPA RCRA hazardous waste ID NYD987037660 (inactive); Active RCRA LQG NYD986949758; NAICS Code 48841 (motor vehicle towing); NY FIS ID 2-6401-00135; Inactive NYSDEC MOSF IDs 0-0397, 0-0398, 0-0399, 0-0485, 0-0774, 0-0775; and NYSDEC PBS ID 2-602895 (administratively closed).
Other Case Nos. (if any)	NYSDEC spill case nos. 0003206; 0501366; 0613699; 0904711; 9304131; 9506182; 9702293; 9711915; and 9110919. ERNS Site IDs 98463036; 98421141; 8855011; 2005765100; 2005757594; and 2008860414. NJ Spill ID 05-07-11-1412-40.
Address	3165 Richmond Terrace, Staten Island, NY 10303
Block/Lot	Block 1208; Lot 15
Site Property Acreage	Approx. 8.5 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Nine spill cases, all closed by the NYSDEC.

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Case Mgr./Tel No.	Saccacio; G.D. Breen; Tibbe; Sanges; Randall Austin (Case No. 0501366); Zhitomirsky; T.O. Masello; and Geller (Case No. 9110919) / full names and telephone numbers not listed in Site file.
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 7 to 10 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow; however, based on the adjacent location the Kill Van Kull waterway, GW flow is presumed north.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	The Site is underlain by NYC urban fill (unknown depth). According to historic Sanborn maps, it appears that portions of the Site were filled sometime after 1917 and again after 1937.
Soil Contamination (type/extent/depth)	An approximately 10 foot x 10 foot area (depth unknown) was excavated during removal of impacted soil in the southeastern portion of the eastern pier (Pier No. 7). Post-excavation sampling did not detect elevated concentrations of VOCs or SVOCs above their respective TAGM RSCOs.
Chromium Impact	Unknown
Excavated Areas	An approximately 10 foot x 10 foot area (depth unknown) was excavated during the removal of impacted soil in the southeastern portion of the eastern pier (Pier No. 7). A second excavation (4 foot x 4 foot area) was conducted following a six-gallon transformer oil release into a subsurface vault (Case No. 0613699); the exact location of the excavation was not included in the Site file.
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Documented impacts to Kill Van Kull waterway – all spill cases closed.
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	Inactive NYSDEC MOSF IDs Nos.: 0-0397; 0-0398; 0-0399; 0-0485; 0-0774; and 0-0775. NYSDEC PBS ID 2-602865 (administratively closed) – one registered 21,500-gallon gasoline AST (in contact with soil) installed on January 1, 1997 and closed on May 1, 1997. No information regarding the location of this AST was included in the Site file. Historic Sanborn maps indicate that four fuel oil ASTs were located on-site sometime before 1937 to sometime after 1962.
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	According to NYCDEP records reviewed, asbestos abatement was performed on-site (project completed March 22, 2007) (NYCDEP ACP7 # TRU0059SI06). Reportedly, 245 linear feet of pipe insulation was abated.
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	The Site contains a marine towing and transportation facility; The proposed pipeline route, which formerly ran adjacent to the Site's southern boundary, was revised, and now runs through the Kill Van Kull waterway approximately 900 feet north of the Site. Based on the distance of the Site from the proposed pipeline, this Site is not expected to adversely impact the pipeline.

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Mariners Marsh Park

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1379; NYCDEP: 51928, 51929, 51930, and 51931; USEPA: 02-RIN-01877-09
Temp TRC ID No.	NY 15
Abutter/Direct (A/D)	D (Quad 5)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline route runs along a portion of the northern boundary of the Site before turning north.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>Mariners Marsh Park comprises approximately 107 acres of land, and includes a 6.25-acre area known as the “recreational area” in the northeast corner of the Site (within the study corridor and just south of the proposed pipeline route. Prior to 1903, the Site was undeveloped and most likely contained wetlands. Historic operations from c. 1903 included a steel manufacturer (Milken Brothers Structural Steel and Rolling Mill, where coal was cracked to generate heat), a shipbuilding business, and a rail line until c. 1931. According to historic Sanborn maps, former on-site structures included a network of rail lines, traveling crane lines, and miscellaneous steel and iron construction facilities (from sometime after 1910); by 1917, traveling crane lines and the majority of steel construction buildings were no longer on-site. In 1917, on-site structures included storage buildings and shipbuilding-related facilities, with a reduced network of rail lines. It appears that TRC ID 12 (NY), located adjacent and north of the Site (north of Richmond Terrace), was formerly operated by the Milken Brothers from sometime before 1910 to sometime after 1917. The Site was subsequently abandoned (with illegal dumping) for approximately 60 years, and has contained recreational parkland operated by the City of NY since c. 1997. The Site parkland currently contains gardens, nature trail, ponds, wetlands and forests. According to the New York City Department of Parks and Recreation (NYDPR) website, ancestors of the Lenape Indians camped at the Site and their burial and village sites were uncovered during an archaeological dig by the Museum of Natural History in the early 1900s.</p> <p>Soil, GW, and sediment investigations at four on-site ponds were conducted from 2001 to 2007 and included the collection of over 100 samples. According to the most recent environmental report included in the Site files (October 2007 Brownfields Phase II Environmental Site Investigation, prepared by Metcalf & Eddy), historic fill material (HFM) is present throughout the Site, is approximately two to five feet thick, and comprises sand with gravel, brick, concrete, coal ash, and cinder. An approximate 5,000-square foot area of coal tar contamination was observed in the western portion of the Site, up-gradient and approximately 700 feet south of the proposed pipeline route. VOCs, SVOCs, metals, and PCBs were detected in soil, GW and sediment samples collected throughout the Site at concentrations above their respective standards. The only impacted area near the proposed pipeline route was a “recreational area”, as follows:</p> <p><u>Recreational Area</u></p> <p>According to the October 2007 Metcalf & Eddy report, ten of the soil borings were located in the “recreational area” (and within the study corridor) in the northern portion of the Site, were advanced to a depth of five feet bg, and comprised HFM containing coal, ash cinder, brick and concrete. Surface and subsurface soil samples were collected from four of the ten borings for VOC, SVOC, TAL metals, and PCB analyses. SVOCs (primarily PAHs) were detected in the surface and subsurface soil samples at concentrations above their respective standards (max concentration [identified in surface soil samples, 0.5 to 1.0 feet bg] = 83 ppm). Metals were also detected in surface and subsurface soil samples at concentrations above their respective standards including arsenic (max = 32.3 ppm); barium (max = 1,100 ppm); beryllium (max = 0.44 ppm); total chromium (max = 53.9 ppm); copper (max = 399 ppm); iron (max = 70,100 ppm); lead (max = 1,950 ppm); mercury (max = 4.3 ppm); nickel (max = 60.6 ppm); selenium (max = 2 ppm); and zinc (max = 1,560 ppm) – max concentrations were detected in the surface soil samples collected from the 0.5 to 1 feet bg interval. No VOCs or PCBs were detected at concentrations above their respective standards in the “recreational area”.</p> <p>GW samples were collected for VOC, SVOC, total and dissolved TAL metals, and PCB analyses from two of the ten soil borings advanced in this area and converted into 2-inch permanent monitoring wells; only metals (antimony, iron, manganese and sodium) were detected in the GW at concentrations above their respective standards.</p> <p><u>Conclusion</u></p> <p>Based on visual, olfactory and analytical results identified at the Site, Metcalf & Eddy recommended the implementation of engineering and institutional controls at the Site; excavation of certain areas to a minimum depth of two feet bg; installation of a filter fabric layer prior to backfilling areas with certified clean fill material; capping of building foundations identified throughout the Site with</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
	concrete or other impermeable material; and additional delineation of coal tar, GW, and sediment contamination identified during the October 2007 investigation.
NYSDEC/NYCDEP/USEPA Site Name	Mariners Marsh Park
Alternate/EPL Facility Names (if any)	Mariners Marsh
NYSDEC/NYCDEP/USEPA ID No.	USEPA CERCLIS ID NYN000205900; Brownfield Property Information System ID 13175
Other Case Nos. (if any)	N/A
Address	3418 Richmond Terrace, Staten Island, NY 10303 (along Richmond Terrace between Catherine Place and Holland Avenue)
Block/Lot	Block 1318; Lot 9
Site Property Acreage	Approx. 107 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Based on communications with the USEPA (1/4/10), the Site's status is currently under "Removal Assessment." According to the NYDPR, a Supplemental Assessment is currently being performed in the AOC, which will determine the extent of necessary excavation/remediation.
Case Mgr./Tel No.	Mark Pane (USEPA on-scene coordinator) / (732)-906-6872; Nick Molinari (NYDPR former Project Manager) / (212) 360-3413; William Tye (NYDPR current Project Manager) / (212) 360-3419
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 10 to 21 feet amsl based on information obtained from Google Earth
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	According to the M&E Phase I ESA (2005) "GW is found in the unconsolidated sediments at average depths of 5 to 20 feet bg". According to M&E, depth to GW in the recreational area was approximately 4 feet bg. The 2005 M&E Phase I ESA indicated that GW flow and elevations may be tidally influenced.
GW Flow Direction/Contour Maps	NNE (towards the proposed pipeline area) / see attached contour map.
Soil Description/Permeability	Soil throughout the Site comprises HFM from 2 to 5 feet bg and is underlain by brown and reddish-brown sands and silts with some gravel.
Historic Fill Material/Depth (feet below surface)	The Site is underlain by HFM. Ash, cinders, coal and other incinerator-related material were observed during the Limited Phase II ESI conducted in the recreational area located in the northeast portion of the Site (exact location unknown).
Soil Contamination (type/extent/depth)	Surface and subsurface soil samples were collected for VOC, SVOC, TAL metals, and PCB analyses from four of the ten borings in the "recreational area"; SVOCs (primarily PAHs) were detected in the surface and subsurface soil samples at concentrations above their respective standards (max [identified in surface soil samples, 0.5 to 1.0 feet bg] = 83 ppm). Metals were also detected in surface and subsurface soil samples at concentrations above their respective standards including arsenic (max = 32.3 ppm); barium (max = 1,100 ppm); beryllium (max = 0.44 ppm); total chromium (max = 53.9 ppm); copper (max = 399 ppm); iron (max = 70,100 ppm); lead (max = 1,950 ppm); mercury (max = 4.3 ppm); nickel (max = 60.6 ppm); selenium (max = 2 ppm); and zinc (max = 1,560 ppm) – max concentrations were detected in the surface soil samples collected from the 0.5 to 1 feet bg interval. No VOCs or PCBs were detected at concentrations above their respective standards.
Chromium Impact	The highest total chromium concentration detected during the October 2007 investigation was in a surface soil sample collected (0.5 to 1.0 feet bg interval) near the proposed pipeline route at a concentration of 53.9 ppm (no samples were collected for hexavalent chromium analysis). Total chromium concentrations detected in soil samples collected from the surface (0.5 to 1.0 feet bg interval) and subsurface (1.0 to 2.0 feet bg interval) along the proposed pipeline route during the October 2007 investigation ranged from 8.14 to 53.9 ppm.
Excavated Areas	Unknown
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	GW samples were collected near the "recreational area" for VOC, SVOC, total and dissolved TAL metals, and PCB analyses; GW samples contained elevated concentrations of antimony, iron, manganese and sodium above their respective standards only.
Other Impacted Media (SW/Sed)	Sediment samples were collected for VOC, SVOC, TAL metals, and PCB analyses from an on-site pond located approximately 350 feet and up-gradient of the proposed pipeline route. Only metals were detected at concentrations above their respective standards including beryllium (max = 0.39 ppm); total chromium (max = 11.5 ppm); iron (max = 11,100 ppm); and zinc (max = 55.8 ppm).

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Utility Location Map/Subsurface Structures	<p>According to the 2003 M&E Phase I ESA, there is an underground petroleum pipeline (leased from the Coastal Pipeline Co. to IMTT Pipeline Co.) which runs 400 feet along the northern Site boundary (parallel to Richmond Terrace) to the western Site boundary, where the underground petroleum pipeline turns to the south and runs along the western Site boundary.</p> <p>According to Sanborn maps from 1910 to 1996, a water pipe was formerly located along Richmond Terrace, along the proposed pipeline route; no information regarding the current status of this pipe was included in the Site file.</p>
USTs/ASTs	N/A
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	Potential land use restrictions and institutional controls may have been instituted as indicated in the City of NY Draft Cleanup Proposal, although no further information was available in the Site file.
Other Information	The Site is not on the USEPA National Priorities List.
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The proposed pipeline route runs along a portion of the northern boundary of the Site before turning north.</p> <p>Mariners Marsh Park comprises approximately 107 acres of land, and includes a 6.25-acre area known as the “recreational area” in the northeast corner of the Site (within the study corridor and just south of the proposed pipeline route. Prior to 1903, the Site was undeveloped and most likely contained wetlands. Historic operations from c. 1903 included a steel manufacturer, a shipbuilding business, and a rail line until c. 1931. The Site was subsequently abandoned (with illegal dumping) for approximately 60 years, and has contained recreational parkland operated by the City of NY since c. 1997. The Site parkland currently contains gardens, nature trail, ponds, wetlands and forests. According to the New York City Department of Parks and Recreation (NYDPR) website, ancestors of the Lenape Indians camped at the Site and their burial and village sites were uncovered during an archaeological dig by the Museum of Natural History in the early 1900s.</p> <p>Soil, GW, and sediment investigations at four on-site ponds were conducted from 2001 to 2007 and included the collection of over 100 samples. VOCs, SVOCs, metals, and PCBs were detected in soil, GW and sediment samples collected throughout the Site at concentrations above their respective standards. The only impacted area near the proposed pipeline route was a “recreational area”: SVOCs (primarily PAHs) and metals were detected in the surface and subsurface soil samples at concentrations above their respective standards (max concentration [identified in surface soil samples]); no VOCs or PCBs were detected at concentrations above their respective standards. GW samples were collected for VOC, SVOC, total and dissolved TAL metals, and PCB analyses; only metals were detected in the GW at concentrations above their respective standards.</p> <p>Sediment samples were collected for VOC, SVOC, TAL metals, and PCB analyses from an on-site pond located approximately 350 feet and up-gradient of the proposed pipeline route. Only metals were detected at concentrations above their respective standards; no VOCs or PCBs were detected at concentrations above their respective standards in the samples collected from the on-site pond.</p> <p><u>Conclusion:</u> Based on visual, olfactory and analytical results identified at the Site, Metcalf & Eddy recommended the implementation of engineering and institutional controls at the Site; excavation of certain areas to a minimum depth of two feet bg; installation of a filter fabric layer prior to backfilling areas with certified clean fill material; capping of building foundations identified throughout the Site with concrete or other impermeable material; and additional delineation of coal tar (identified up-gradient and approximately 700 feet south of the proposed pipeline route), GW, and sediment contamination identified during the October 2007 investigation.</p> <p>HFM is present throughout the Site, is approximately two to five feet thick, and comprises sand with gravel, brick, concrete, coal ash, and cinder.</p> <p>It is likely that one or more utility lines run along the northern portion of the Site, along/parallel to Richmond Terrace; no information regarding the current status or the exact location of these pipes was included in the Site file.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Howland Hook Marine Terminal

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1437 and R2-09-1515; NYCDEP: 52259, 52260, 52261, 52262; USEPA: 02-FOIA-00061-10
Temp TRC ID No.	NY 16
Abutter/Direct (A/D)	A (Quad 5)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline runs between 100 feet and 800 feet down-gradient and to the east of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site contains a container port facility, currently owned by the City of New York, and has been leased by the Port Authority of NY/NJ since 1985. The Site comprises 187 acres, and is itself part of a 311-acre area known as the Howland Hook Marine Terminal (HHMT) Port Ivory Facility. FOIL requests submitted to the NYCDEP, NYSDEC and USEPA returned limited information regarding site-wide investigative activities; the only information available for review was an Administrative Order on Consent for a portion of the Site identified as the Unites States Line Marine Stores Yard ("Yard"), issued on June 6, 1989. According to the Administrative Order on Consent, the "Yard" included five buildings, four box trailers, and numerous abandoned containers. The "Yard" is located in the southeastern portion of the Site; the proposed pipeline route runs along the southern and eastern "Yard" boundaries. No information was available for review for the remaining portions of the Site. Rail lines located along the southern Site boundary intersect with the proposed pipeline southeast of the Site. No investigative reports (e.g., sampling investigations or remediation activities) were included in the FOIL requested files.</p> <p>Remedial actions conducted at the "Yard" included the removal of all buildings and containerized waste for disposal, excavation and removal of surface soil contamination, and the collection and analyses of GW samples from 10 on-site monitoring wells. No information was available for review indicating the excavation area, location, or depth. GW data from the most recent sampling event indicate elevated concentrations of the following targeted compounds above their respective standards at the Site: PHCs (max = 1,300 ppb); BTEX (max = 4.33 ppb); and arsenic (max = 290 ppb); chromium and lead were not detected in any GW samples. No information was available for review indicating the location of the 10 monitoring wells or the depth to GW.</p> <p>The "Yard" area was paved on March 1993; and a NFA letter was issued by the USEPA to the Port Authority of NY/NJ on July 15, 1993 for the June 6, 1989 "Yard" Administrative Order on Consent.</p>
NYSDEC/NYCDEP/USEPA Site Name	NYC Container Terminal, Inc.
Alternate/EPL Facility Names (if any)	NYC Howland Hook Marine Terminal; Howland Hook Container Terminal; Howland Hook Container, Inc.; NYC Howland Hook Container Term, Inc.; and NY Container Terminal.
NYSDEC/NYCDEP/USEPA ID No.	USEPA RCRA Handler IDs NYD078174901 (active CESQG); NYD020589693 (active LQG); NYR000044669 (active CESQG); and NYSDEC PBS ID 2-237752 (active)
Other Case Nos. (if any)	NYSDEC spill case nos. 8804869; 9801043; and 9900223 (all closed on or before March 3, 2003).
Address	300 Western Avenue, Staten Island, NY 10303
Block/Lot	Block 1410; Lot 250
Site Property Acreage	187 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	NYSDEC spill case nos. 8804869; 9801043; and 9900223 (all closed on or before March 3, 2003). A NFA letter was issued by the USEPA to the Port Authority of NY/NJ on July 15, 1993 for the June 6, 1989 "Yard" Administrative Order on Consent.
Case Mgr./Tel No.	Sigona; Zhao; Tomasello; full names and telephone numbers were not listed in the Site file.
Topographic Land Surface Elevation (feet above mean sea level)	Approximately 9 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow at the Site; however, based on the nearby location of the nearest water body (Bridge Creek, located between the Site and the proposed pipeline), GW flow is presumed to be to the east/northeast.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	It appears that, based on regulatory memoranda, soil sampling was conducted at the Site; however, no sampling data were included in the Site file. No further information was available in the Site file.
Chromium Impact	Unknown
Excavated Areas	Subsurface soil contamination was excavated from a portion of the Site referred to as the "Yard". No information was available for review indicating the type, extent, or depth of the excavation.

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	According to the NYSDEC PBS database, 10 USTs (including seven 4,000-gallon USTs, one 15,000-gallon UST, one 10,000-gallon UST, and one 6,000-gallon UST) were "closed in place", and one "in service" 4,000-gallon AST is registered at the Site; the UST contents included diesel fuel, gasoline, and No. 2 fuel oil. No other information was available for review regarding the location of the USTs and ASTs.
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The Site contains a container port facility, currently owned by the City of New York, and has been leased by the Port Authority of NY/NJ since 1985. The proposed pipeline runs between 100 feet and 800 feet down-gradient and to the east of the Site.</p> <p>The only information available for review was an Administrative Order on Consent for a portion of the Site known as the Unites States Line Marine Stores Yard ("Yard"), issued on June 6, 1989. It appears that, based on regulatory memoranda, soil sampling was conducted at the Site; however, no sampling data were included in the Site file.</p> <p>Targeted compounds detected in GW at the Site at concentrations above their respective standards include PHCs, BTEX, and arsenic.</p> <p>The "Yard" area was paved on March 1993; and a NFA letter was issued on July 15, 1993.</p> <p>Rail lines located along the southern Site boundary intersect with the proposed pipeline southeast of the Site.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Former GATX Terminal

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1515; NYCDEP: 52259, 52260, 52261, and 52262
Temp TRC ID No.	NY 17
Abutter/Direct (A/D)	D
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline route runs through the eastern area of the West Tank Field portion of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site operated as a major petroleum bulk storage, receiving and transfer facility from 1929 to 1999; 78 ASTs were located on-site, ranging in volume from 252,000 to 4,680,00 gallons. Petroleum products handled on-site included gasoline; aviation/jet fuels; fuel oils; lubricating oils; naphtha distillates; and crude oil. Demolition of ASTs and associated pipelines, and a number of buildings was completed in December 2000. In chronological order, the Site was formerly owned by Gulf Oil Corporation, which developed the property; Chevron USA, which acquired Gulf; Inwood Petroleum Corp.; Seneca Terminal Properties, Inc. (predecessor to PetroPort Terminal Corp.); and GATX Terminals Corp. Currently, the Site is owned by 380 Development, LLC, who plan to develop the property for commercial/industrial purposes. The current 380 Development property (total 675 acres) includes both the former GATX property (440 acres) and the former Duke Energy property (235 acres) and was purchased in December 2004. The Duke Energy portion of the Site, at various times during the 1930's through the early 1970's, contained a Liquefied Natural Gas (LNG) plant and several transfer stations and/or storage facilities; no determination regarding remedial action selection in this area has been made. Therefore, the (former) Duke Energy portion of the 380 Development Site is not included in any Corrective Action Plan or measure associated with the former GATX Facility and included in this review.</p> <p>Numerous soil, GW, SW, and wetland sediment investigations have been conducted at the Site from the 1980s to 2009; however, the earliest report available for review was dated June 1998, and the most recent report available for review was dated November 2008 - over 50 Site reports have been prepared including investigation results, remediation plans and closure documents, of which 30 were reviewed by TRC, in addition to other miscellaneous Site-related documents.</p> <p>In general, the Site is contaminated with low concentrations of VOCs (primarily ethylbenzene, toluene, xylene and MTBE); SVOCs (primarily fluorene and naphthalene); and metals (primarily lead). In addition, a number of areas contained grossly petroleum-contaminated soil and product resulting from tank and pipeline releases, including the areas along the proposed pipeline route at the intersection of Fourth Avenue and Fifth Street (aka area of concern within "Parcel A", or the "Upland area(s)") and a portion of the wetland and drainage canal areas (see attached figure). The NYSDEC approved a corrective action plan for the Site including the remediation of upland areas with grossly contaminated soil and product, and impacted soil and sediment in wetland and drainage canal areas.</p> <p>Remediation of the upland areas, to remove grossly contaminated soil and product, was conducted from 2002 to 2006; remedial action within these areas included excavation, including product recovery and GW removal via skimming and pumping, and bioremediation. A meadow mat layer, consisting of clay and silt with fibrous peat-like material, was encountered in all excavations near the proposed pipeline within Parcel A (see attached figure) and acted as a "floor" for product or constituent impacts at this Site area (i.e., maximum vertical extent of free-phase product and impacted soil). Impacted areas were excavated down to the meadow mat. Post-excavation sampling confirmed that remedial objectives were achieved. Approximately 27,500 cubic yards of free-phase product and grossly impacted soil were excavated; total excavated area was 171,000 square feet; approximately six million gallons of GW were pumped, treated, and discharged; approximately 2,000 gallons of free-phase product were recovered for off-site disposal. Excavation areas were subsequently backfilled. Closure reports were submitted and the NYSDEC issued a final approval for the completion of remediation in this area in April 2006.</p> <p>Remediation of the drainage canals and wetlands commenced in March 2009 and is anticipated to be completed in Spring 2010. Lead was detected in the soil/sediment along the proposed pipeline route in the wetland and canal area (max concentration = 4,400 ppm). PAH exceedances were generally detected in wetland and canal areas along Site access roads (adjacent to the railroad bed and in the drainage canals) and included benzo(a)pyrene, fluorine and phenanthrene. VOC exceedances were confined to small isolated areas along the Site access road and Canal, approximately 1,000 feet from the proposed pipeline.</p> <p>Surface soil in the study corridor contains residual contamination (primarily low concentrations of</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
	<p>SVOCs and metals). As part of the corrective action plan, to be completed by Spring 2010, surface soils with residual contamination will be covered with 3 feet of clean soil approved by the NYSDEC. It is estimated that 4 million cubic yards of in-place fill material will be imported to cap and grade the Site for redevelopment (1.2 million cubic yards will comprise the cap as stipulated in the 2001 corrective action plan pursuant to the Order of Consent with the NYSDEC). Disturbance of this soil cover will require NYSDEC notification.</p> <p>Seventy-three spills have been reported at the Site, dating from December 1987 to July 2008; of these, four spill cases remain open and the remainder have been closed by the NYSDEC. No information was available regarding the four open spills.</p>
NYSDEC/NYCDEP/USEPA Site Name	GATX Terminals, Inc.; 380 Development LLC; Petro Port Terminal Corporation; Atlantic Petroleum Services Inc.; GATX Terminals Corporation; Coastal Pipeline Company/GATX Terminals; and GATX SI.
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	USEPA RCRA Handler IDs NYR000040089 (inactive); NYD982271363 (inactive); USEPA RCRA Non-Gen LQG NYD0074345315; NYSDEC MOSF ID 2-2180; NYSDEC PBS ID Nos. 2-603086 and 2-605774; NYSDEC CBS ID 2-000336; and NYSDEC Consent Order D2-0001-98-01-02.
Other Case Nos. (if any)	<p>Seventy-three NYSDEC spill cases for the Site ("500 Western Avenue" and "GATX") including 69 cases that have been closed by the NYSDEC between December 1987 and July 2008, and four spill cases that are currently active including 0807636; 0330059; 8904716; and 0650397. The 69 closed spill case numbers include 0710842; 0409786; 0330070; 0330056; 0204819; 0003567; 9912455; 9812914; 9803474; 9803194; 9803126; 9709919; 9708895; 9708876; 9707024; 9706408; 9516603; 9512940; 9509981; 9505821; 9503954; 9503266; 9407552; 9402640; 9402615; 9313583; 9212529; 9212456; 0230046; 9930023; 9906331; 9906329; 9906322; 9906321; 9906320; 9906119; 9704610; 9308748; 9213712; 9813895; 9812211; 9710751; 9701733; 9612573; 9611148; 9609551; 9607650; 9600656; 9514174; 9514173; 9507755; 9507152; 9506306; 9502361; 9403663; 9401281; 9300057; 9100833; 9100122; 9107025; 9012373; 8707775; 0030039; 9210202; 9210673; 9403673; 9701968; 0030006; and 0030015. Suspected closed spill case 9111443. No information was available regarding the four open spills.</p>
Address	500 Western Avenue, Staten Island, NY 10303
Block/Lot	<p>Block 1835; Lots 150 and 500 (includes area of proposed pipeline route)</p> <p>Block 1865; Lot 250 (includes area of proposed pipeline route)</p> <p>Block 1835; Lots 1 and 550 (former GATX facility)</p> <p>Block 1835; Lots 50, 300, 350 and 400 (former Duke Energy facility)</p>
Site Property Acreage	675 acres (440 acres = former GATX facility; 235 acres = former Duke Energy facility)
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	NYSDEC Consent Order (D2-0001-98-01-02) to investigate and remediate the Site - remediation is anticipated to be completed Spring 2010. Four open NYSDEC spill cases.
Case Mgr./Tel No.	Jane O'Connell, NYSDEC Region 2 / (718) 482-4599
Topographic Land Surface Elevation (feet above mean sea level)	Topography varies along proposed pipeline route, from 6 feet amsl in upland area to -6 feet amsl in canal area.
Property Survey Available (yes/no)	Yes (see attached figure)
Depth to Ground Water (feet below surface)	0 to 6 feet bg; these water levels have been noted to exhibit seasonal fluctuations of approximately 2 feet; site-wide average = 3 feet bg.
GW Flow Direction/Contour Maps	N to NW; very little tidal influence along proposed pipeline route.
Soil Description/Permeability	Historic fill material (HFM) is generally present throughout the Site from grade to 5 feet bg (greatest thickness under roads and buildings and least under storage tanks), underlain by 1 to 5 feet of meadow mat/peat (not continuous throughout the Site), underlain by intermittent layers of clay, silt, sand and gravel, underlain by bedrock, present at the Site from depths varying between 30 and 50 feet bg.
Historic Fill Material/Depth (feet below surface)	HFM, generally present throughout the Site from grade to 5 feet bg (present along the proposed pipeline route from grade to between 1 and 2 feet bg), comprises red fine silty sand, black silty clay, course asphalt, ash and cinders.
Soil Contamination (type/extent/depth)	<p>Area of proposed pipeline route in upland area that formerly contained grossly petroleum contaminated soil and free-phase product was remediated; according to NYSDEC, no further soil remediation warranted in this area. Residual/low levels of VOCs, SVOCs and metals contamination may remain in soil, sediment and GW.</p> <p>Area of proposed pipeline route in wetland/canal area with grossly petroleum contaminated soil and free-phase product currently being remediated.</p>
Chromium Impact	Unknown

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Excavated Areas	Formerly impacted areas along the proposed pipeline route that have been excavated include the upland area (Fourth Avenue and Fifth Street) and the wetland/canal area at the northeast end of Fourth Avenue within Block 1835; Lot 350 only.
Product	<p>Product formerly present along proposed pipeline route in the upland area at the intersection of Fourth Avenue and Fifth Street; however, this area has since been remediated. Closure related to the Bulkhead and 5th Street free-phase product areas (FPAs) was approved by the NYSDEC in its letter dated 19 June 2003.</p> <p>The area of proposed pipeline route in wetland/canal area with grossly petroleum contaminated soil and free-phase product is currently being remediated.</p>
GW Contamination (type/extent/[aquifer] depth)	Low concentrations of VOCs, SVOCs and metals along the proposed pipeline route.
Other Impacted Media (SW/Sed)	Contaminated wetland and canal sediment along proposed pipeline route north of Fourth Avenue, currently being remediated (anticipated to be completed in Spring 2010).
Utility Location Map/Subsurface Structures	None
USTs/ASTs	All listed ASTs and USTs and above-ground piping has been removed from the Site, except in areas where buildings are currently located. According to the NYSDEC, most of the underground piping has been removed; although, it is possible that some underground piping remains on-site. No information regarding possible locations of the remaining underground piping was included in the Site file.
Engineering Controls	N/A currently - the placement of a minimum of 3 feet of clean NYSDEC-approved fill is proposed at the Site to raise the property elevation to a 100-year flood level and to cover residual contaminated soil; this area includes the proposed pipeline route.
Deed Notice/CEA	N/A currently - according to the NYSDEC, a Conservation Easement/deed restriction will likely be issued for the Site to maintain the soil cover, provide notification of residual contamination, and preclude use of GW.
Other Remedial Measures	Residual impact only - site-wide monitored natural attenuation for GW; according to NYSDEC, impacts are isolated and attributable to sample turbidity.
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The Site operated as a major petroleum bulk storage, receiving and transfer facility from 1929 to 1999. The Site includes the former GATX property and the former Duke Energy property. The proposed pipeline route runs through the eastern area of the West Tank Field portion of the Site.</p> <p>In general, the Site soil and GW is contaminated with low concentrations of VOCs (primarily ethylbenzene, toluene, xylene and MTBE); SVOCs (primarily fluorene and naphthalene); and metals (primarily lead). In addition, a number of areas contained grossly petroleum-contaminated soil and product resulting from tank and pipeline releases, including the areas along the proposed pipeline route at the intersection of Fourth Avenue and Fifth Street (aka area of concern within "Parcel A", or the "Upland area(s)"), and a portion of the wetland and drainage canal area (see attached figure).</p> <p>Remediation of the upland areas, to remove grossly contaminated soil and product, was conducted from 2002 to 2006; the NYSDEC issued a final approval for the completion of remediation in this area in April 2006. Remediation of the drainage canals and wetlands, including sediment, commenced in March 2009 and is anticipated to be completed in Spring 2010. In addition to petroleum, other COCs in this area include lead and PAHs.</p> <p>Surface soil in the study corridor contains residual contamination (primarily low concentrations of SVOCs and metals). As part of the corrective action plan, to be completed by Spring 2010, surface soils with residual contamination will be covered with 3 feet of clean soil approved by the NYSDEC. Disturbance of this soil cover will require NYSDEC notification.</p> <p>No information was available regarding four open spill numbers listed for the Site.</p> <p>Underground piping from previously removed ASTs and USTs may remain on-site.</p> <p>HFM is present throughout the Site and is expected to be encountered during pipeline installation activities at/near the Site.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: DSNY Gansevoort Destructor Plant

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1373; NYCDEP: 51810, 51812, 51813 and 51814
Temp TRC ID No.	NY 19
Abutter/Direct (A/D)	D (Quad 17)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline transects the southeastern corner of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site is owned and operated by the City of New York Department of Sanitation. No information was available regarding previous ownership/operator history. According to the NYSDEC Spill Incidents Database, one spill case (Case No. 0708590) has been assigned to the Site and has been closed by the NYSDEC. Only a NYSDEC spill report form and NYSDEC PBS facility information report were available for review. No investigative reports (e.g., sampling investigations or remediation activities) were included in the files reviewed.</p> <p>Case No. 0708590 was assigned to the Site on November 7, 2007 when contaminated soil was identified beneath two 2,000-gallon diesel USTs. LIRO generated a spill closure report for the spill case which was submitted to the NYSDEC in January 2008 and is briefly summarized in the NYSDEC spill report form (report unavailable).</p> <p>The two 2,000-gallon diesel USTs were located side by side outside the eastern portion of the building in the northeast corner of the lot (exact location unknown, no figures available). The dimensions and location of the UST excavation area is unknown. The inverts of the two USTs were located at approximately eight feet bg, a concrete slab was located at nine feet bg; GW was encountered at approximately eight feet bg. According to the NYSDEC Spill Report Form, the two USTs (including all piping, appurtenances, and the concrete slab) were removed, and three new USTs were installed (capacity and product stored not specified) at the same location. Reportedly, after the concrete slab was removed, GW exhibiting a slight sheen infiltrated the excavation. A total of approximately 500 tons of contaminated soil were removed. Soil samples were collected near the GW interface (approximately 8 feet bg) from the excavation side- and end-walls. Two additional soil samples were collected beneath the former dispenser islands (locations unknown) at a depth of approximately three feet bg. One GW sample was collected from the excavation "in lieu of base samples". The NYSDEC spill report form does not specifically discuss the analytical results; indicating "no VOCs found, some SVOCs found in sidewall samples" (specific SVOCs and concentrations unknown). The NYSDEC indicated that there is "minor contamination." Based on the submission of the spill closure report and installation of new USTs, the NYSDEC closed the spill case on January 15, 2008.</p>
NYSDEC/NYCDEP/USEPA Site Name	Department of Sanitation; Gansevoort Destructor Plant; and Manhattan District 5 Garage and DSNY District 5.
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	USEPA RCRA Handler ID NYR000101626 (active small quantity generator); RCRA Non-Generator NYD986870129 (does not presently handle hazardous waste) and historic large quantity generator – no reported violations; NYSDEC PBS IDs 2-610538 (administratively closed) and 2-45578 (active).
Other Case Nos. (if any)	NYSDEC spill case no. 0708590
Address	427 Gansevoort Street, New York, NY 10014 119 Gansevoort Street, New York, NY 10014 2 Bloomfield Street, New York, NY 10014
Block/Lot	Block 651; Lot 1
Site Property Acreage	Approx. 7.4 acres (based on information obtained from Property Shark)
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	NYSDEC spill case no. 0708590 closed on 1/15/2008.
Case Mgr./Tel No.	NYSDEC Spill Case Lead - Hiralkumar Patel; telephone number not included in Site file.
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 1 to 3 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Site-wide average = approx. 8 feet bg (based on NYSDEC spill report form)
GW Flow Direction/Contour Maps	No information was available regarding GW flow; however, based on the presence of the western-adjointing Hudson River, GW flow is presumed to be westerly, away from the pipeline.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Soil Contamination (type/extent/depth)	Soil samples were collected from the side- and end-walls of the UST excavation at the GW interface (approximately 8 feet bg). The NYSDEC spill report form does not specifically discuss the analytical results; indicating "no VOCs found and some SVOCs found in side-wall samples." No further information was available (e.g. sampling locations, compounds detected, concentrations, etc.). According to the NYSDEC spill report form, there is "minor contamination" at the Site.
Chromium Impact	Unknown
Excavated Areas	Two 2,000-gallon diesel USTs (including associated piping, appurtenances and concrete slab) and approximately 500 tons of contaminated soil were excavated and disposed off-site. The exact location and dimensions of the excavation are unknown.
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	According to the NYSDEC spill report form, GW that entered into the excavation after the concrete slab was removed exhibited a slight sheen; one GW sample was collected from the excavation, although the NYSDEC spill report form does not specifically discuss GW sampling - the form merely indicates that "no VOCs found and some SVOCs in side-wall samples". No further information such as sample location, compounds detected, concentrations, etc. was available in the Site file. According to the NYSDEC spill report form, there is "minor contamination" at the Site.
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	According to the NYSDEC PBS database, the Site is registered with the following ASTs and USTs: six 275-gallon "in-service" ASTs (four lubricating oil and two waste/used oil); two 550-gallon "in-service" hydraulic oil ASTs; three 600-gallon "in-service" USTs (two lubricating oil and one waste/used oil); one 1,000-gallon "in-service" waste/used oil UST; two 2,000-gallon "closed-removed diesel USTs; one 5,000-gallon "closed-removed" No. 2 fuel oil UST; one 4,000-gallon "in-service" gasoline UST; and two 2,500-gallon "in-service" diesel USTs.
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The Site is operated and owned by the City of New York Department of Sanitation. The proposed pipeline transects the southeastern corner of the Site.</p> <p>There is one NYSDEC spill case assigned to the Site: Two 2,000-gallon diesel USTs and contaminated soil were removed from the Site. GW exhibiting a sheen was observed in the UST excavation at approximately 8 feet bg. Soil and GW samples were collected from the excavation. VOCs were not detected in the samples collected and "some SVOCs" (specific SVOCs unknown) were detected in side-wall samples; laboratory analytical results were unavailable. The NYSDEC Spill Report Form indicates there is "minimal contamination" at the Site, but does not elaborate; and does not discuss monitoring well installation. The NYSDEC closed the spill case in January 2008.</p> <p>Based on the results of the file review, it is likely that the Site subsurface is impacted; however, considering the down/cross-gradient location and distance of the impact (exact location unknown, although likely to be north of proposed pipeline by northeastern building) to the proposed pipeline route, the Site is unlikely to impact pipeline installation activities.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Jane Street Hotel

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1373; NYCDEP: 51810, 51812, 51813 and 51814
Temp TRC ID No.	NY 20 (NY)
Abutter/Direct (A/D)	A (Quad 17)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The Site is located approximately 500 feet southeast and cross-gradient of the proposed pipeline.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site is occupied by a five-story hotel constructed c. 1908. According to the hotel's web-site, the Site building has been occupied by a hotel since its construction and was renovated in 2008. According to historic Sanborn maps, the Site was occupied by a coal yard in 1895 and a wagon yard in 1904. The Site is located approximately 250 feet east of the Hudson River (based on information obtained from Google Earth).</p> <p>No investigative reports (e.g., sampling investigations or remediation activities) were included in the Site file. Only boiler information from the NYCDEP website, and information obtained on Property Shark and the NYSDEC PBS database were available for review.</p> <p>The [New York] City Environmental Quality Review (CEQR) Environmental Designations indicates the Site has two "E-Designations": E-4 and E-149. An "E-Designation" is a zoning map designation that provides notice of the presence of an environmental requirement pertaining to potential hazardous materials contamination or noise or air quality impacts on a particular tax lot; E-Designations are established as part of a change in zoning that would allow additional development to occur on a property, or would permit uses not currently allowed. E-Designation E-4 pertains to "double glazed windows and alternate ventilation" and E-Designation E-149 pertains to "underground gasoline storage tanks testing protocol" and "window wall attenuation and alternate ventilation."</p> <p>The Site addresses (113-119 Jane Street and 505-507 West Street) are not identified in the NYSDEC spill incidents database. There are no known impacts to soil or GW at the Site.</p>
NYSDEC/NYCDEP/USEPA Site Name	Hotel Riverview; Hotel Associates Inc.; Jane Hotel; and Jane Street Hotel
Alternate/EPL Facility Names (if any)	The Jane
NYSDEC/NYCDEP/USEPA ID No.	NYSDEC PBS ID 2-607367
Other Case Nos. (if any)	CEQR E-Designations E-4 and E-149
Address	113-119 Jane Street, New York, NY 10014 505-507 West Street, New York, NY 10014
Block/Lot	Block 642; Lot 1
Site Property Acreage	Approx. 0.2 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Site currently has E-Designations (E-4 and E-149)
Case Mgr./Tel No.	Unknown
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 5 amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow direction; however, based on the nearby location of the nearest water body (Hudson River), GW flow is presumed to be to the west, cross-gradient of the proposed pipeline route.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	Unknown
Chromium Impact	Unknown
Excavated Areas	Unknown
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	The Site is a NYSDEC registered PBS facility (unregulated). According to NYSDEC PBS database, tank information for the Site is not releasable under FOIL. According to the NYSDEC, this information is not releasable due to "client attorney privilege".
Engineering Controls	N/A
Deed Notice/CEA	N/A

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The Site is occupied by a five-story hotel constructed c. 1908 and is located approximately 500 feet southeast and cross-gradient of the proposed pipeline.</p> <p>The Site is not identified on the NYSDEC spills incidents database and there are no known documented subsurface releases at the Site. No investigative reports such as sampling investigations or remediation activities were included in the files reviewed. The Site has an E-designation for the “underground gasoline storage tanks testing protocol” - a result of the Site being in close proximity to a gas station and/or the presence of an underground fuel oil tank(s).</p> <p>Given the distance and cross-gradient location of the Site from the proposed pipeline, the Site is not expected to adversely impact pipeline installation activities.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: 393-397 West 12th Street

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1374; NYCDEP: 51815, 51816, 51817 and 51818
Temp TRC ID No.	NY 21 (NY)
Abutter/Direct (A/D)	A (Quad 17)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The Site is located approximately 600 feet southeast and cross-gradient of the proposed pipeline.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site is owned by Far West Village Partners and contains an undeveloped vacant lot. The Site formerly contained a two-story commercial building used as a smelting works (1904); and an automobile garage (1st floor) and a doll parts corporation/lacquer spraying facility on the 2nd floor (1950-1996).</p> <p>A spill was reported to the NYSDEC in August 1996 following a tank test failure (550-gallon gasoline UST) (case no. 9606714). The 550-gallon UST was removed some time between 1996 and 2005. According to historic Sanborn maps, the UST was located along West 12th Street, approximately 175 feet southeast of the proposed pipeline route (see attached Sanborn map). Langan performed a Phase I ESA and Phase II ESI in 2005 which identified petroleum contaminated soil. The Phase II ESI included a geophysical survey; the advancement of eight soil borings to 10 feet bg (see attached figure); the advancement of three geotechnical borings; and collection and analyses of soil samples. VOCs were not detected at concentrations above regulatory standards in any of the soil samples collected. SVOCs were detected above regulatory standards in five of the nine soil samples collected; one sample (collected at 3.5-4.5 feet bg) contained total SVOCs above regulatory standards (730 ppm). Petroleum staining/odor and a PID reading of 60 ppm were noted in one boring at a depth of nine feet bg. It does not appear that GW monitoring wells were installed at the Site.</p> <p>Based on the Phase II ESI findings (i.e., petroleum staining/odor, SVOC concentrations detected above regulatory standards, open spill case number), Langan performed remedial activities at the Site from July 11-16, 2007 - petroleum contaminated soil was removed (excavation was approximately 610 square feet in area and extended to a depth of approximately 10 feet bg - figure with excavation dimensions and endpoint sampling locations attached). Approximately 220 tons of petroleum contaminated soil was removed and disposed off-site. Post-excavation soil samples were collected; no VOC exceedances were detected, and exceedances of three SVOCs "at concentrations typical of NYC urban fill" were detected. Based on the Langan Spill Closure Report, the NYSDEC closed Spill Case No. 9606714 on September 10, 2007. Langan concluded that unexcavated areas on-site should be covered with "impervious pavement, surface cover, or two feet of clean soil" and a "HASP which reflects contaminants at the Site should be required to protect construction workers and public when implementing intrusive work in areas that have not been remediated". No information was available regarding subsequent remedial activities at the Site.</p>
NYSDEC/NYCDEP/USEPA Site Name	N/A
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	N/A
Other Case Nos. (if any)	NYSDEC spill case no. 9606714 (see above)
Address	393-397 West 12 th Street, New York, New York 10014
Block/Lot	Block 641; Lot 7504
Site Property Acreage	Approx. 0.14 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Case closed (September 10, 2007).
Case Mgr./Tel No.	Hiralkumar Patel / No telephone number provided in Site file. Former NYSDEC Case Manager – Rommel (full name and telephone number not provided in Site file).
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 6 to 8 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Site-wide average = 9 feet bg
GW Flow Direction/Contour Maps	Northwest/west towards the Hudson River.
Soil Description/Permeability	Historic fill material (HFM) is present throughout the Site from grade to approximately 6 to 9 feet bg. Depth to bedrock is approximately 100 to 120 feet bg. No additional soil data were provided in the Site file.
Historic Fill Material/Depth (feet below surface)	HFM, present throughout the Site from grade to approximately 6 to 9 feet bg, comprises dark brown sand.

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Soil Contamination (type/extent/depth)	Four endpoint samples including one base and three side-wall samples were collected for VOC and SVOC analyses from the excavation on July 11, 2007; no VOC exceedances were detected. Exceedances of three SVOCs typical of HFM were detected; the sample nearest the pipeline, approximately 540 feet away, contained total SVOCs at a concentration of 2.5 ppm.
Chromium Impact	Unknown
Excavated Areas	According to Langan's 2007 Spill Closure Report, petroleum contaminated soil was removed. The excavation was approximately 610-square feet in area and extended to a depth of approximately 10 feet bg; approximately 220 tons of petroleum contaminated soil was removed and disposed off-site. The excavation did not extend off-site.
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	A 550-gallon gasoline UST was removed from the Site some time between 1996 and 2005. The UST was located along West 12 th Street, approximately 695 feet southeast of the proposed pipeline route (see attached Sanborn map)
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	The Site currently contains an undeveloped vacant lot and is approximately 600 feet southeast and cross-gradient of the proposed pipeline. A 550-gallon gasoline UST formerly located at the Site, approximately 695 feet southeast of the proposed pipeline route along West 12 th Street, was removed sometime between 1996 and 2005. Exceedances of SVOCs were attributed to HFM, and the NYSDEC closed the UST-related case on September 10, 2007. Therefore, the Site is not expected to adversely impact the proposed pipeline; however, HFM is expected to be encountered during pipeline construction activities near the Site area.

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Superior Printing Ink Co.

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1374; USEPA: 02-RIN-01877-09; NYCDEP: 51815, 51816, 51817 and 51818
Temp TRC ID No.	NY 22
Abutter/Direct (A/D)	A (Quad 17)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The Site is located cross-gradient and approximately 650 feet southeast of the proposed pipeline route.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>According to Property Shark, the Site currently contains a 15-story residential building constructed c. 2007. The Site formerly contained a two-story manufacturing building with a basement constructed in 1909, and was formerly occupied by a bakery (until c. 1930), "Belle Telephone Labs" and a printing facility (from 1952 to 1979), and an ink manufacturer (Superior Printing Ink Co.) (1979 to c. 1996). Superior Ink's operations included the blending of pigments and varnishes for local printers. No other ownership/operator history information was included in the Site file.</p> <p>The New York City Environmental Quality Review (CEQR) Environmental Designations indicates the Site has one "E"-Designation (E-149) that pertains to "air quality - HVAC fuel limited to natural gas"; "underground gasoline storage tanks testing protocol"; and "window wall attenuation and alternate ventilation."</p> <p>In 2004, soil, GW, and soil gas samples were collected at the Site. Historic fill material (HFM) was observed at the Site to a depth of at least 8 feet bg. NAPL was observed at the water table surface (approximately 8 to 10 feet bg) in borings advanced in the boiler room and basement of the building and was attributed to the presence of a spill from a 7,500-gallon No. 2 fuel oil UST (Spill Case No. 0312310). A No. 2 fuel oil free-phase product plume was found to have originated from the UST; the plume's horizontal extent was approximately 9,600 square feet, and the plume did not migrate beyond adjacent streets (see attached figure). Product was not observed in any of the monitoring wells installed (including wells along West 12th Street). The UST and product surrounding the UST were removed in May 2004. In 2004 and 2005, free-phase product recovery wells, a product recover trenching system, and a dual-phase extraction (DPE) system were installed at the Site to remediate the free-phase product in this area. The NYSDEC issued a NFA letter on October 12, 2007, approving the closure of spill case no. 0312310. The NYSDEC indicated that "no further investigation or response was required". NYSDEC indicated all wells associated with this spill case should be decommissioned. No further information was provided in the Site file.</p>
NYSDEC/NYCDEP/USEPA Site Name	Superior Ink; and Superior Printing Ink Co.
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	USEPA RCRA Handler ID NYT000603548 (inactive) USPEA Toxic Release Inventory System (TRIS) Facility ID 10014SPRRP70BET NYSDEC PBS ID 2-042951
Other Case Nos. (if any)	NYSDEC spill case nos. 0312310; 0312534; 9312760; and 9312750 CEQR "E"-Designation E-149
Address	394-400 West 12th Street, New York, NY 10014 58-70 Bethune Street, New York, NY 10014 469-485 West Street, New York, NY 10014
Block/Lot	Block 640; Lot 1
Site Property Acreage	Approx. 0.73 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	NYSDEC spill cases closed and NFA issued by NYSDEC on 10/12/07; Site currently has one "E"-Designation (E-149)
Case Mgr./Tel No.	Kartik Chanda (NYSDEC) / (718) 482-8062 Chris Sawyer / (718) 482-4098
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 5 to 8 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	Yes (see attached figure)
Depth to Ground Water (feet below surface)	Site-wide average = 9 feet bg
GW Flow Direction/Contour Maps	West; no contour maps available.
Soil Description/Permeability	HFM, present throughout the Site to a depth of at least 8 feet bg, is underlain by organic silt and clay.
Historic Fill Material/Depth (feet below surface)	HFM, present throughout the Site to a depth of at least 8 feet bg, comprises brick debris, crushed brick, gray cinders, and occasional coal and concrete.

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Soil Contamination (type/extent/depth)	Petroleum contaminated soil excavated in accordance with a NYSDEC-approved RAP. Several SVOCs and metals typical of HFM (including chromium, copper, iron, nickel, zinc, beryllium, mercury, calcium, and magnesium) were detected throughout the Site at concentrations above their respective standards. An October 12, 2007 NYSDEC NFA letter approved the closure of Spill Case No. 0312310.
Chromium Impact	Total chromium was identified at the Site at concentrations that exceeded its TAGM No. 4046 RSCO in 21 soil samples (max = 47.1 ppm, above the RSCO for chromium of 1.5 ppm), see attached figure.
Excavated Areas	Former UST excavation; did not extend off-site. The entire Site property was excavated to a depth of 12 feet bg during the construction of the new building (in 2007).
Product	According to the NYSDEC, free-phase product on the GW surface has been addressed; the extent of the historic product plume did not extend beyond the Site boundaries (see attached figure).
GW Contamination (type/extent/[aquifer] depth)	<p>Two monitoring wells were installed along West 12th Street in close proximity to the study corridor; the most recent data indicates benzene was detected (2.6 ppb) above its Class GA Value (1 ppb). Langan attributed this exceedance to an up-gradient property across West 12th Street with documented petroleum impacts because benzene was not previously detected on-site at this location. However, no information was provided in the Site file regarding the presence of up-gradient wells or analytical results from GW samples collected from up-gradient locations.</p> <p>According to the NYSDEC, free-phase product on the GW table at the Site has been addressed. The NYSDEC indicated all wells associated with this spill case should be decommissioned, although it is unknown whether this has occurred.</p>
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	NYSDEC PBS ID 2-042951 – One 7,500-gallon UST ("closed-removed"). The Site has an E-designation for the "underground gasoline storage tanks testing protocol" - a result of the Site being in close proximity to a gas station and/or the presence of an underground fuel oil tank(s).
Engineering Controls	Passive sub-slab depressurization/dual-phase extraction system and vapor barrier; a cap consisting of two feet of clean fill and concrete.
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The Site currently contains a 15-story residential building constructed c. 2007 and is located cross-gradient and approximately 650 feet southeast of the proposed pipeline route.</p> <p>NAPL was observed at the water table during the removal of a 7,500-gallon No. 2 fuel oil UST; a free-phase petroleum plume was detected but did not extend beyond the Site boundaries. Product was not observed in any of the monitoring wells installed (including wells installed along West 12th Street. In 2004 and 2005, free product recovery wells, a product recover trenching system, and a dual-phase extraction (DPE) system were installed at the Site to remediate the free-phase product in this area. The NYSDEC issued a NFA letter for the Site on October 12, 2007, approving the closure of the UST case and indicated that "no further investigation or response was required".</p> <p>Total chromium was identified at the Site at concentrations that exceeded its TAGM No. 4046 RSCO in 21 soil samples (max = 47.1 ppm, above the RSCO for chromium of 1.5 ppm). Additionally, HFM was present throughout the Site and is likely representative of subsurface conditions in the Site area. Therefore, HFM and elevated concentrations of chromium are likely to be encountered during pipeline installation activities near the Site area.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: 812 Washington Cleaners

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1440; NYCDEP: 52251, 52252, 52253 and 52254
Temp TRC ID No.	NY 23
Abutter/Direct (A/D)	A (Quad 17)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The Site is located more than 400 feet southeast and up-gradient of the proposed pipeline.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site contains a dry cleaning facility located in a 10-story mixed-used (residential and commercial) building, and is owned by 95 Horatio LLC/97 Horatio LLC C/O and/or Marie Edwards (co-owners or consecutive owners). The Site was previously occupied by a bakery (1904-1921); a refrigerator storage company (1950-1979); and a commercial and manufacturing building (1985-1996). Additionally, a portion of the building along Washington Street was identified as "NY Central RR / Penn Central – 2nd" and "Loading 1st" from at least 1950 to 1985. No other information was available regarding previous Site ownership/operator history.</p> <p>No investigative reports (e.g., sampling investigations or remediation activities) were included in the Site file. The Site is an active RCRA hazardous waste conditionally exempt small quantity generator (CESQG); and historical small quantity generator (SQG) and large quantity generator (LQG), with no reported violations. According to an EDR database search report, the Site is included on the NY Manifest database and is listed as generating hazardous waste including halogenated solvents.</p> <p>The New York City Environmental Quality Review (CEQR) Environmental Designations ("E-Designations") indicates the Site has two E-Designations; E-4 and E-152. An E-Designation is a zoning map designation that provides notice of the presence of an environmental requirement(s) pertaining to potential hazardous materials contamination or noise/air quality impacts at a property; E-Designations are established during a change in zoning that would allow additional development to occur on a property, or would permit uses not currently allowed. E-Designation E-4 pertains to "double glazed windows and alternate ventilation" and E-Designation E-152 pertains to "underground gasoline storage tanks testing protocol."</p> <p>The New York City Department of Building (DOB) records obtained from the Building Information System (BIS) list 23 complaints, 69 DOB violations and 17 Environmental Control Board (ECB) violations for Block 643, Lot 1, all of which have been resolved. Of note, one ECB violation (32041051J; issued on January 10, 2003) was associated with the failure to maintain the boiler and according to the DOB records, there was an "oil leak at the oil burner". No further information was provided such as the amount spilled or the resource affected. DOB Job Application No. 10391757 was filed in October 2003 to "replace boiler and reinstall/replace oil/gas burner to correct ECB violation 32041051J"; the violation was resolved (date unknown).</p> <p>According to the NYCDEP records obtained from the Division of Air, Noise, Permitting, Enforcement, and Policy, one dry cleaning machine was located on-site from at least 1998. The NYCDEP records indicate that a "vapor barrier with general exhaust ventilation system" was required by May 15, 1999 and the property's "certificate to operate" was cancelled. No further information is provided. It is unknown whether this equipment is still present on-site or whether a vapor barrier with exhaust ventilation system was installed per the NYCDEP requirement.</p> <p>The Site is not identified in the NYSDEC Spill Incidents Database, and there are no USTs listed for the Site in the NYSDEC PBS database (PBS ID 2-601375). There are no known impacts to soil or GW at the Site.</p>
NYSDEC/NYCDEP/USEPA Site Name	West Coast (NYSDEC PBS Facility Information Report)
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	RCRA hazardous waste CESQG NYD981185580 (active); historical SQG and LQG; NYSDEC PBS ID 2-601375; NYCDEP Facility No. 1 XNDS (from the NYCDEP Division of Air, Noise, Permitting, Enforcement, and Policy).
Other Case Nos. (if any)	CEQR E-Designations E-4 and E-152
Address	812 Washington Street, New York, NY 10014; 802-816 Washington Street, New York, NY 10014; 105-115 Horatio Street, New York, NY 10014; and 91-95 Horatio Street, New York, NY 10014
Block/Lot	Block 643; Lot 1
Site Property Acreage	0.001 acres
Chromium ID No. (if applicable)	N/A

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Regulatory Status of Case	CEQR E-Designations E-4 and E-152
Case Mgr./Tel No.	N/A
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 10 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow; however, based on the nearby location of the nearby Hudson River, GW flow is presumed to be to the west.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	Unknown
Chromium Impact	Unknown
Excavated Areas	Unknown
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	NYSDEC PBS ID 2-601375 - One 5,000-gallon "in-service" No. 2 fuel oil AST installed on January 8, 1992; the AST is in a subterranean vault. No USTs are listed for the Site.
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	The Site is located more than 400 feet southeast and up-gradient of the proposed pipeline, contains a dry cleaning facility, and has an E-Designation for the "underground gasoline storage tanks testing protocol" (E-152) - a result of the Site being in close proximity to a gas station and/or the presence of an underground fuel oil tank(s). The Site is included on the NY Manifest database and is listed as generating hazardous waste including halogenated solvents. The Site is not identified on the NYSDEC spills incidents database and no documented subsurface releases are listed for the Site. No investigative reports such as sampling investigations or remediation activities were included in the Site file. Therefore, based on the above review and the distance of the Site from the proposed pipeline, the Site is unlikely to adversely impact pipeline installation activities.

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: 383 West 12th Street

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1440; NYCDEP: 52251, 52252, 52253 and 52254
Temp TRC ID No.	NY 24
Abutter/Direct (A/D)	A (Quad 17)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The Site is located approximately 680 feet southeast and cross-gradient of the proposed pipeline.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site currently contains a seven-story apartment building. According to historic Sanborn maps, the Site was historically occupied by a lubricating oil refinery (1895); a laundry soap manufacturer (1904-1921); a wood box manufacturer (1950); a warehouse (1969-1996); a "NYC Police Department Livery Boarding" (1985); and a three-story commercial building (1987-1996). No other information was available regarding previous Site ownership/operator history.</p> <p>According to the NYSDEC spill incidents database, there is one spill case assigned to the Site (spill case no. 0702924). A spill notification letter from the NYSDEC to the Responsible Party, a NYCDEP petroleum spill service form, and an EDR database search report were available for review.</p> <p>Case No. 0702924 was reported to the NYSDEC on June 11, 2007 when approximately two gallons of No. 4 fuel oil was released onto soil in an excavation in the northeastern portion of the Site (exact location unknown). The Site was identified as a "construction site" in the NYSDEC spill incidents database and EDR database report. According to the EDR database report, "thick black oil" flowed onto soil while a new footing was being installed. The NYSDEC inspected the Site and observed oil floating on top of GW in the excavation. Approximately 20 feet west of the excavation was a "pit" with GW exposed; no oil was observed in the pit by the NYSDEC. The oil was believed to have emerged from a brick wall, which was a remnant of a previously demolished neighboring building. The NYSDEC reported there was no other evidence of oil on-site. On June 13, 2007, the NYSDEC issued a letter to the "Responsible Party" (Site owner - 383-391 West 12th LLC) requesting documentation verifying that the contamination was removed or that the fuel system was repaired. One drum of oil/oil contaminated material was removed from the Site and a waste manifest was submitted to NYSDEC. Based on the small amount of oil released and since the oil and oil contaminated material were removed from the Site, the NYSDEC closed the spill case on December 5, 2007.</p>
NYSDEC/NYCDEP/USEPA Site Name	N/A
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	N/A
Other Case Nos. (if any)	NYSDEC Spill Case No. 0702924; and NYCDEP Service No. 1639793
Address	383-391 West 12 th Street, New York, NY 10014
Block/Lot	Block 641; Lot 26
Site Property Acreage	Approx. 0.2 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	NYSDEC Spill Case No. 0702924 closed by the NYSDEC on December 5, 2007.
Case Mgr./Tel No.	NYSDEC Lead: Raphael Ketani / (718) 482-4634; NYCDEP Inspector: Peter Williamsen Jr. / telephone number not listed in Site file
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 9 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow direction; however, based on the nearby location of the nearest water body (Hudson River), GW flow is presumed to be to the west towards the proposed pipeline.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	Approximately two gallons of No. 4 fuel oil was released onto soil in an excavation in the northeastern portion of the Site (exact location unknown). Oil was not observed elsewhere on-site by the NYSDEC. No further information was available from the Site file.
Chromium Impact	N/A
Excavated Areas	The petroleum release reportedly resulted in the "seepage of free oil into an excavation" at the Site (northeastern portion of the Site); not near the proposed pipeline.
Product	According to a June 13, 2007 NYSDEC letter, "free oil" was released into an excavation in the northeastern portion of the Site (exact location unknown).

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	N/A
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The Site currently contains a seven-story apartment building and is located approximately 680 feet southeast and cross-gradient of the proposed pipeline.</p> <p>There is one spill case assigned to the Site (spill case no. 0702924), reported to the NYSDEC when approximately two gallons of No. 4 fuel oil was released onto soil in an excavation at the Site. Based on the small amount of oil released and since the oil and oil contaminated material were removed from the Site, the NYSDEC closed the spill case on December 5, 2007. Therefore, based on the review of the Site file, the approximate distance of the Site from the proposed pipeline (680 feet), the amount of petroleum released, the fact that the oil and oil contaminated materials were removed from the Site, and the fact that the spill case was closed by the NYSDEC, the Site is not expected to adversely impact the proposed pipeline.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: 491 West Street

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1442; NYCDEP: 52289, 52290, 52292 and 52293
Temp TRC ID No.	NY 25
Abutter/Direct (A/D)	A (Quad 17)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The Site is located approximately 500 feet southeast and cross-gradient of the proposed pipeline.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site contains an 11-story residential building constructed c. 1998 (based on information obtained from Property Shark). According to historic Sanborn maps, the Site historically contained low-rise residential dwellings and stores and a "store yard" (1895-1950); a property labeled "chemicals" and a "flat" (1969); and was vacant (1987-1996). No other information was available regarding previous Site ownership/operator history. According to the NYSDEC spill incidents database, there is one spill case assigned to the Site (case no. 9805348). Only information from the NYSDEC spill incidents database was available for review. No investigative reports (e.g., sampling investigations or remediation activities) were included in the Site file.</p> <p>Case no. 9805348 was reported to the NYSDEC on July 29, 1998 when unknown amounts of arsenic, lead, and copper were "released onto soil"; the Site was identified as a "construction site" on the NYSDEC spill incidents database. The NYSDEC closed the "spill" case on February 12, 2003. No further information was available, specifically regarding whether any soil and/or GW samples were collected or whether there was any GW impact.</p>
NYSDEC/NYCDEP/USEPA Site Name	N/A
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	N/A
Other Case Nos. (if any)	NYSDEC spill case no. 9805348.
Address	491-495 West Street, New York, NY 10014
Block/Lot	Block 641; Lot 7502
Site Property Acreage	Approx. 0.13 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	NYSDEC spill case no. 9805348 closed by the NYSDEC on February 12, 2003.
Case Mgr./Tel No.	Unknown
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 5 to 6 feet amsl (based on information obtained from Google Earth).
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow direction; however, based on the nearby location of the nearest water body (Hudson River), GW flow is presumed to be to the west towards the proposed pipeline.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	Case no. 9805348 reported to NYSDEC on July 29, 1998 when unknown amounts of arsenic, lead, and copper were "released onto soil"; the Site was identified as a "construction site" on the NYSDEC spill incidents database. The NYSDEC closed the "spill" case on February 12, 2003. No further information was available, specifically regarding whether any soil and/or GW samples were collected or whether there was any GW impact.
Chromium Impact	Unknown
Excavated Areas	Unknown
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	N/A
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
<p>Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.</p>	<p>The Site contains an 11-story residential building constructed c. 1998 and is located approximately 500 feet southeast and cross-gradient of the proposed pipeline.</p> <p>There is one “spill” case assigned to the Site, which was closed by the NYSDEC; however, given the nature of the Site at the time (construction site) and the contaminants listed (arsenic, lead and copper), it is likely that the impact is instead related to historic fill material (HFM) beneath the Site; this is consistent with known subsurface conditions in the Site area. The NYSDEC closed the “spill” case on February 12, 2003. No further information was available, specifically regarding whether any soil and/or GW samples were collected or whether there was any GW impact. Based on the nearby location of the Hudson River, GW flow is presumed to be westerly. Based on the results of the file review, HFM is expected to be encountered during proposed pipeline construction activities.</p> <p>Therefore, based on the review of the Site file, the approximate cross-gradient distance of the Site from the proposed pipeline (500 feet), and the fact that the spill case was closed by the NYSDEC, the Site is not expected to adversely impact pipeline installation activities.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Clean Water of New York

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1138; NYCDEP: 51692, 51693, 51694 and 51695
Temp TRC ID No.	NY 3
Abutter/Direct (A/D)	A (Quad 5)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline route, formerly located 15 feet south of the Site, was revised, and now runs through the Kill Van Kull waterway approximately 330 feet north of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site is currently operated by Clean Water of New York, Inc.; on-site activities include tank barge cleaning, waste oil removal, oily water processing and maritime solid waste removal. The Site is located adjacent to and south of the Kill Van Kull waterway. According to historic Sanborn maps, a large portion of the Site was filled in sometime after 1950. After 1950, on-site structures included a welding equipment stage, and wood, steel and concrete platforms. Additionally, historic Sanborn maps indicate the presence of an AST, from sometime before 1977 to sometime after 1996 in the western portion of the Site; the AST was located approximately 750 feet south of the proposed pipeline route. No other information was available regarding previous owner/operator history.</p> <p>Only NYSDEC Spill Report Forms for 3245 Richmond Terrace were available for review following the submission of a Freedom of Information Law (FOIL) request letter. According to the NYSDEC Spill Incidents Database, there are over 60 spill cases assigned to the Site, with dates ranging from May 1990 through June 2009, all of which have all been closed by the NYSDEC on or before July 2, 2009; including 22 spills where clean-up standards were met, 12 spills where clean-up actions were taken, and 3 spills where "no further action" was noted. The majority of the spill cases were related to the release of petroleum oil (Nos. 2, 4 and 6 fuel oil), diesel, gasoline, or waste oil/used oil into the adjoining surface waters (Kill Van Kull and Newark Bay). Three spill cases were related to the release of No. 2 and No. 6 fuel oil and lubricating oil to soil; with the exception of one 3-gallon spill where petroleum was released at the on-site dock, approximately 800 feet south of the proposed pipeline, no information was available regarding the location of the releases to soil. Two spill cases were related to the release of No. 4 fuel oil with an "unknown" resource affected. The spills were generally caused by equipment failures, human error, tank overfills, tank failures, or unknown causes. Spill quantities ranged from less than one gallon to 10,000 gallons. According to the NYSDEC Spill Report Forms, the petroleum releases to soil included spills of three gallons or less and were contained and/or cleaned-up. Based on the file review, there were no indications of GW impact.</p> <p>According to the NYSDEC petroleum bulk storage (PBS) database, the Site is an active Major Oil Storage Facility (MOSF); according to the USEPA Envirofacts database, the Site is an active RCRA conditionally exempt small quantity generator (CESQG) and transporter. The Site has two enforcement/compliance activities associated with "emissions and procedural compliance". No information was available regarding the enforcement dates or their current status.</p>
NYSDEC/NYCDEP/USEPA Site Name	Eklof Marine Corp.; Clean Water of NY Inc.; Terrace Transportation; Egret Realty Inc.; and William J. Lauer Corp.
Alternate/EPL Facility Names (if any)	KC Transportation; K-Sea Transportation Corp.; and Mariners Harbor
NYSDEC/NYCDEP/USEPA ID No.	<p><u>NYSDEC active MOSF</u> MOSF IDs for 3249 Richmond Terrace: 0-0386; 0-0635; 0-0896; 0-0955; 0-0972; 0-0996; and 0-0997.</p> <p>MOSF IDs for 3245 Richmond Terrace: 0-0292; 0-0379; 0-0380 through 0-0391; 0-0471; 0-0472; 0-0474; 0-0477; 0-0480; 0-0601; 0-0602; 0-0628; 0-0636; 0-0637; 0-0639; 0-0690; 0-0691; 0-0711 through 0-0716; 0-0725; 0-0746; 0-0769; 0-0776 through 0-0778; 0-0780 through 0-0790; 0-0808 through 0-0810; 0-0825; 0-0826; 0-0872 through 0-0874; 0-0898; 0-0906; 0-0908; 0-0916; 0-0926; 0-0927; 0-0935; 0-0936; 0-0938; 0-0941 through 0-0943; 0-0946; 0-0949; 0-0957; 0-0958; 0-0960; 0-0964; 0-0965; 0-0970; 0-0971; 0-0973; 0-0983 through 0-0988; 0-0990; 0-0991; 0-1000; and 0-1012.</p> <p>USEPA RCRA CESQG IDs NY0000968552 and NY0000968545; RCRA Handler ID NYR000080549 (active transporter) and NYR000157644 (active transporter). NPDES Permit No. NY0200484 (non-major). NYSDEC Permit No. 2-6401-00065/00001. USEPA AFS ID 36085PB025.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Other Case Nos. (if any)	Integrated Compliance Information System (ICIS) enforcement compliance actions NYU080003 and NYU300120. NYSDEC Spill Cases (all closed) - Spill Case Nos. 9001462; 9002092; 9003537; 9004619; 9004619; 9004638; 9102245; 9202464; 9204983; 9207916; 9210488; 9212306; 9301822; 9301822; 9304672; 9305524; 9306891; 9310946; 9404168; 9415343; 9415345; 9500005; 9504323; 9504814; 9505084; 9508505; 9508510; 9509773; 9512361; 9516334; 9603869; 9605770; 9606749; 9606751; 9609968; 9801088; 9801090; 9801509; 9801518; 9802348; 9804701; 9806084; 9812140; 0104965; 0109945; 0304633; 0307035; 0411979; 0602651; 9813595; 9906542; 9910569; 0005973; 0207767; 0301916; 0311893; 0410062; 0507013; 0902700; 0007458; 9815265; and 0902703.
Address	3245 and 3249 Richmond Terrace, Staten Island, NY 10303
Block/Lot	Block 1208; Lot 28
Site Property Acreage	Approx. 2.1 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Fifty-eight NYSDEC spill cases - all closed on or before July 2, 2009.
Case Mgr./Tel No.	K.S. Tang; O'Dowd; Finger; Wilson; Sigona; Cammisa; Sondra Martinkat; C.A. Engelhardt; T.O. Masello; Luce; Zhitomirsky; J.M. Krimgold; M.M. Mulqueen; Nieves; M.X. Tipple; J.X. Zhao; S.M. Sangesland; J. Krimgold; J.B. Vought; Woolsey; and M.C. Tibbe. Telephone numbers and full names were not included in the Site file.
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 10 to 12 feet amsl (based on information obtained from Google Earth).
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow; however, based on the nearby location of the nearest water body (Kill Van Kull), GW flow is presumed to be to the north.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	N/A
Chromium Impact	N/A
Excavated Areas	N/A
Product	N/A
GW Contamination (type/extent/[aquifer] depth)	N/A
Other Impacted Media (SW/Sed)	The majority of the above-listed spill cases were related to the release of petroleum oil (Nos. 2, 4 and 6 fuel oil), diesel, gasoline, or waste oil/used oil into the adjoining surface waters (Kill Van Kull and Newark Bay).
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	The Site is an active MOSF. According to the NYSDEC PBS database, tank information for the Site is not releasable under FOIL; according to a December 8, 2009 TRC communication with NYSDEC Region 2 FOIL secretary Cynthia Whiting, this information is not releasable due to "client attorney privilege". Historic Sanborn maps indicate one AST was present in the western portion of the Site. The AST was located approximately 715 feet south of the proposed pipeline.
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	NYCDEP Foil response listed Site owners as Egret Realty and Clean Water of NY, Inc., although no information was available regarding whether these two entities were co-owners or consecutive owners.
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	The Site is occupied by Clean Water of New York, Inc., a tank barge cleaning, waste oil removal, oily water processing and maritime solid waste removal company. The proposed pipeline route, formerly located 15 feet south of the Site, was revised, and now runs through the Kill Van Kull waterway approximately 330 feet north of the Site. There are over 60 spill cases assigned to the Site - the majority of which were related to the release of petroleum oil, diesel, gasoline, or waste oil/used oil into the adjoining surface waters (Kill Van Kull and Newark Bay) - all of which were closed by the NYSDEC. No investigative reports (e.g., sampling investigations or remediation activities) were included in the Site file; however, based on current and [presumably] previous Site operations and the large number of listed on-site spills, it appears likely that the Site subsurface is impacted. However, based on the distance of the Site from the revised pipeline route, the Site is not expected to adversely impact the proposed pipeline route.

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: 3280 Richmond Terrace

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1138; NYCDEP: 51692, 51693, 51694 and 51695
Temp TRC ID No.	NY 4
Abutter/Direct (A/D)	A (Quad 5)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline route, formerly located 10 feet north of the Site, was revised, and now runs through the Kill Van Kull waterway approximately 700 feet north of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site is occupied by a two-story residential building and is located approximately 350 feet south of the Kill Van Kull waterway (based on information obtained from Google Earth). According to historic Sanborn maps, the Site was occupied as a two-story "dwelling" from sometime before 1937 to sometime after 1990 and a two-story residential building from at least 1992 to at least 1996. No further information regarding previous ownership/operator history was included in the Site file.</p> <p>Only a one page NYSDEC Spill Report Form was available for review. According to the NYSDEC Spill Incidents Database, there is one spill case assigned to the Site. According to the NYSDEC Spill Report Form, the spill was reported to the NYSDEC on August 13, 1991 (Case No. 9105186) when less than 1 liter of diesel oil was released from an UST into the surrounding soil as the result of a tank failure. The NYSDEC Spill Report Form indicates that the FDNY were on-scene and "oil was bubbling up in the backyard". The exact location of the spill and UST is unknown. The NYSDEC closed the spill case on November 25, 2003. No further information was available; specifically, regarding whether any soil and/or GW samples were collected or whether there was any GW impact.</p>
NYSDEC/NYCDEP/USEPA Site Name	N/A
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	N/A
Other Case Nos. (if any)	NYSDEC Spill Case No. 9105186
Address	3280 Richmond Terrace, Staten Island NY 10303
Block/Lot	Block 1264; Lot 68
Site Property Acreage	Approx. 0.13 acres (based on information obtained from Property Shark)
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	NYSDEC Spill Case No. 9105186 closed on November 25, 2003
Case Mgr./Tel No.	S.J. Miller, NYSDEC (full name and telephone number not listed in the Site file.)
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 13 to 14 feet amsl based on information obtained from Google Earth.
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow; however, based on the nearby location of the nearest water body (Kill Van Kull), GW flow is presumed northerly.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	Unknown
Chromium Impact	Unknown
Excavated Areas	Unknown
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	A NYSDEC spill report indicates the presence of an on-site UST; however, the Site is not identified in the NYSDEC PBS Database and no PBS information was provided following a NYSDEC FOIL request. Therefore, it is unknown whether USTs/ASTs are currently present on-site.
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The proposed pipeline route, formerly located 10 feet north of the Site, was revised, and now runs through the Kill Van Kull waterway approximately 700 feet north of the Site.</p> <p>Less than 1 liter of diesel oil was reportedly released from a UST into the surrounding soil, although, based elsewhere in the spill report, there may have been a greater quantity of oil released. No further information was available; specifically regarding whether any soil and/or GW samples were collected or whether there was any GW impact related to this spill. The case was closed by the NYSDEC in 2003.</p> <p>Based on the distance of the Site from the proposed pipeline, and the closed status of the case, the Site is not expected to adversely impact pipeline installation activities.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Insituform Metropolitan

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1136; R2-09-1338; NYCDEP: 51684, 51685, 51686 and 51687
Temp TRC ID No.	NY 5
Abutter/Direct (A/D)	A (Quad 5)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline route, formerly located 15 feet south of the Site, was revised, and now runs through the Kill Van Kull waterway approximately 100 feet north of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site, developed with a one-story warehouse and occupied by a transportation facility (according to Property Shark), is located adjacent to and south of the Kill Van Kull waterway. Historic Sanborn maps depict the Site as a "Contractors Yard" with a grounded barge on the northwest property line from sometime before 1962 to sometime after 1996. In addition, a large portion of the Site (northern portion) was filled in sometime between 1950 and 1962. No further information was available regarding previous ownership/operator history.</p> <p>Three NYSDEC spill report forms and one NYSDEC Initial spill response form were available for review from the FOIL request letter submitted for the Site. According to the NYSDEC spill incidents database and an EDR regulatory agency database report, there were four spill cases assigned to the Site (Case Nos. 9407330; 9407333; 9602976; and 0200596) which have all been closed by the NYSDEC.</p> <p>Case Nos. 9407333 and 9407330 were related to a release into the air of methylene chloride, peroxide tetrahyrdofuran and unknown resins fumes on August 30, 1994. There were no indications of subsurface impact. The NYSDEC spill report form indicates clean-up actions were taken and completed, clean-up standards were met, and the NYSDEC closed the spill cases on September 1, 1994.</p> <p>Case No. 9602976, reported to the NYSDEC on June 1, 1996, was reported when a "citizen" noticed a vessel pumping "dredge material" into the Kill Van Kull. The NYSDEC spill report form indicates that the NYSDEC inspected the area of discharge and conducted interviews; which did not identify additional information. The NYSDEC closed the spill case on June 6, 1996.</p> <p>Case No. 0200596, was reported to the NYSDEC on April 16, 2002 when a vessel overturned and an unknown amount of diesel fuel was released into the Kill Van Kull. The NYSDEC closed the spill case on April 17, 2002.</p> <p>No investigative reports (e.g., sampling investigations or remediation activities) were included in the Site file. There were no indications of subsurface impact.</p>
NYSDEC/NYCDEP/USEPA Site Name	Insituform Metropolitan
Alternate/EPL Facility Names (if any)	Spearin Preston & Burrows Inc.
NYSDEC/NYCDEP/USEPA ID No.	RCRA hazardous waste active CESQG NYD982535221
Other Case Nos. (if any)	NYSDEC spill case nos. 9407333; 9407330; 9602976; and 0200596
Address	3303, 3363 and 3365 Richmond Terrace, Staten Island, NY 10303
Block/Lot	Block 1208; Lot 51
Site Property Acreage	Approx. 17 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Spill Case Nos. 9407333 and 9407330 closed on 9/1/1994 Spill Case No. 9602976 closed on 6/6/1996 Spill Case No. 0200596 closed on 4/17/2002.
Case Mgr./Tel No.	O'Dowd (Case Nos. 9407330 and 9407333); Mulqueen (Case No. 9602976); M. Tibbe (Case 0200596); telephone numbers and full names of case managers not included in the Site file.
Topographic Land Surface Elevation (feet above mean sea level)	Approximately 10 to 13 feet amsl (closest to pipeline route) based on information obtained from Google Earth.
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow; however, based on the nearby location of the Kill Van Kull, GW flow is presumed shallow and northerly.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	Unknown
Chromium Impact	Unknown

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Excavated Areas	Unknown
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Air and SW impact; NYSDEC spill cases closed.
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	Unknown
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	Site owners identified as Mariners Harbor Equip Corp. (Property Shark) and Insituform Metropolitan (NYSDEC Spill Report Form); no information was available regarding whether these two entities were co-owners or consecutive owners.
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The Site, developed with a one-story warehouse and occupied by a transportation facility (according to Property Shark), is located adjacent to and south of the Kill Van Kull waterway. The proposed pipeline route, formerly located 15 feet south of the Site, was revised, and now runs through the Kill Van Kull waterway approximately 100 feet north of the Site.</p> <p>Four closed spill cases; releases to air and SW impact. There are no documented impacts to soil or GW and it does not appear that the Site subsurface has been impacted by these releases. Based on the distance from the proposed pipeline, the Site is not expected to adversely impact pipeline installation activities.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Procter & Gamble Mfg. Co.

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1135; R2-09-1338; NYCDEP: 51679, 51681, 51682 and 51683; USEPA: 02-RIN-01848-09
Temp TRC ID No.	<p>NY 6</p> <p>Based on Site file information, it appears that The Procter & Gamble Mfg. Co. (P&G) site (the "P&G Site") also includes the 241 Western Avenue site, also formerly known as TRC ID NY 9; and the 29 Western Avenue site, also formerly known as TRC ID NY 10 under the New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (VCP). The Site is referred to as the Howland Hook Marine Terminal-Port Ivory Facility under the VCP and the address listed for the Site is 40 Western Avenue.</p>
Abutter/Direct (A/D)	D (Quad 9)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline route runs north through the central portion of the Site (between Site 2A to the west and Sites 2A and 3 to the east – see below) before turning east along Richmond Terrace.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The P&G Site is currently being redeveloped by the Port Authority of NY/NJ (PANY/NJ) as a container terminal and intermodal facility, and formerly contained a consumer goods manufacturing facility from the early 1900s to approximately 1991; soap, detergent, and food were manufactured/processed on-site. The P&G Site comprises 123.75 acres and is itself part of a 311-acre area known as the Howland Hook Marine Terminal (HHMT) Port Ivory Facility. The PANY/NJ purchased the Site property from P&G in 2000.</p> <p>Prior to entering the VCP Program, the PANY/NJ performed assessment, investigative and remedial activities to address the environmental aspects of the HHMT Port Ivory Facility area. However, to accommodate the redevelopment schedule for the northwestern portion of the property (i.e., the P&G Site), the NYSDEC agreed to expedite the site review by dividing the P&G Site property into four separate areas (known by the NYSDEC as "Sites") and present separate assessment, investigation and remedial action documentation for each Site. Site 1 comprises the northwestern portion of Block 1400, Lot 1; site 2 comprises the eastern and southern portions of Block 1400, Lot 1 ("Area 2A") and the southern portion of Block 1338, Lot 1 ("Area 2B"); site 3 (divided into Areas 3A and 3B) comprises the central and northern portions of Block 1338, Lot 1; and site 4 comprises Block 1309, Lot 10.</p> <p>The PANY/NJ entered the Voluntary Cleanup Program (VCP Site Nos. V00615 [site 1], V00674 [site 2], and V00675 [site 3]) in the summer of 2004 to address contamination on-Site due to historic operations; the VCP agreement for site 3 was revised to incorporate site 4 on January 4, 2007. Remedial activities conducted at the P&G Site consisted of the demolition of existing buildings, excavation and disposal of approximately 19,300 cubic yards of impacted soil, and the removal of LNAPL (quantity unknown); remedial activities are still on-going. Below is a summary of the status of remedial activities at each site (sites 1 through 4) and its potential impact to the proposed pipeline route:</p> <p>Site 1 – No information was available for review regarding the excavation area and depth; however, additional remedial actions were proposed based on field observations. LNAPL and associated impacted soil were detected in a 255-foot by 173-foot area located down-gradient and approximately 335 feet from the proposed pipeline route; targeted compounds detected in soils at concentration above their respective standard included PHCs and metals. Subsequent to remedial activities in this area of the Site, targeted compounds detected in GW samples at concentration above their respective standards included naphthalene and phenol. No analytical data, listing of soil PAHs and metals, or down-gradient sample analytical results were included in the Site file.</p> <p>Site 2 – No information was available for review regarding the excavation area and depth; however, additional remedial actions were proposed based on field observations. LNAPL and associated impacted soil were detected in the southern portion of site 2 (although no analytical data regarding these or down-gradient samples were provided in the Site file), adjacent and up-gradient of the proposed pipeline route. No information was available for review indicating the extent and magnitude of LNAPL in this area and the resultant soil impact. Targeted compounds detected in GW samples at concentrations above their respective standards included acetone and bis-2-ethylhexyl phthalate (common laboratory contaminants). No information was available for review indicating the number of monitoring wells sampled, their exact locations, or sampling data from any down-gradient wells (up-gradient of pipeline).</p> <p>Site 3 – Remedial activities at site 3 have not been conducted. Investigative activities conducted at</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
	<p>site 3 indicate soil and GW impacts comprising low concentrations of SVOCs (primarily PAHs) and metals above their respective NYSDEC standards. No information was available for review indicating the extent and magnitude of soil and GW impact. LNAPL was also detected in the southern and northern portions of site 3, up-gradient of the proposed pipeline route. No analytical data or figures depicting exact sample locations (and distance from the proposed pipeline) were included in the Site file.</p> <p>Site 4 - No investigative reports (e.g., sampling investigations or remediation activities) were included in the Site file for this area.</p>
NYSDEC/NYCDEP/USEPA Site Name	NYSDEC – Howland Hook Marine Terminal - Port Ivory Facility
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	USEPA RCRA Handler ID NYD000249961; USEPA Superfund Site ID NYD980507537; NYSDEC VCP Site Nos. V00615, V00674 and V00675; NYSDEC CBS ID 2-000128; and PBS ID 2-600767
Other Case Nos. (if any)	NYSDEC spill case nos. 8605160; 8706184; 8906834; 9102775; 9203451; 9203697; 9203754; 9204269; and 8907474; all closed.
Address	40 Western Avenue, Staten Island, NY 10303
Block/Lot	Block 1400; Lot 1; Block 1338; Lot 1; and Block 1309; Lot 10
Site Property Acreage	123.75 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Nine closed NYSDEC spill cases (nos. 8605160; 8706184; 8906834; 9102775; 9203451; 9203697; 9203754; 9204269; and 8907474) between November 1986 and February 2006.
Case Mgr./Tel No.	R.W. Austin; Sigona; James; K. Stang / No full names or telephone numbers were listed in the Site file.
Topographic Land Surface Elevation (feet above mean sea level)	Approximately 32 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	4.5 feet bg (in the southern portion) to 10.5 feet bg (in the northern portion) along the proposed pipeline route.
GW Flow Direction/Contour Maps	N/NW (see attached figure)
Soil Description/Permeability	The P&G Site was developed on marsh and historic fill material (HFM) comprising sand, silt and gravel mixed with wood, brick, concrete, cinders, glass debris and manufacturing byproducts (calcium carbonate, spent diatomaceous filter earth, spent carbonaceous filter material and vegetative debris). Depth of HFM varies throughout the P&G Site from grade to 30 feet bg (including the proposed pipeline route). Native soil underlying the HFM generally comprises peat and clay underlain by brown gravel, sand and silt.
Historic Fill Material/Depth (feet below surface)	HFM is discussed in soil description above. The depth of HFM in site 1 ranges from grade to approximately 8-20 feet bg; site 2 ranges from grade to approximately 15-30 feet bg; and site 3A ranges from grade to approximately 0-2 feet bg. Site 3B comprises a former construction and demolition landfill and does not contain HFM. No information was available regarding site 4.
Soil Contamination (type/extent/depth)	<p>Site 1: LNAPL and associated impacted soil were detected in a 255-foot by 173-foot area located down-gradient and approximately 335 feet from the proposed pipeline route; targeted compounds detected in soils at concentration above their respective standard included PHCs and metals. No analytical data, listing of soil PAHs and metals, or down-gradient sample analytical results were included in the Site file.</p> <p>Site 2: LNAPL and associated impacted soil was detected in the southern portion of site 2, adjacent and up-gradient of the proposed pipeline route. No information was available for review indicating the extent and magnitude of LNAPL in this area and the resultant soil impact no analytical data regarding these or down-gradient samples were provided in the Site file.</p> <p>Site 3: Investigative activities conducted at site 3 indicate soil impacts comprising low concentrations of SVOCs (primarily PAHs) and metals above their respective NYSDEC standards. No information was available for review indicating the extent and magnitude of soil impact. LNAPL was also detected in the southern and northern portions of site 3, up-gradient of the proposed pipeline route. No analytical data or figures depicting exact sample locations were included in the Site file.</p>
Chromium Impact	Unknown

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Excavated Areas	Remedial activities conducted at the P&G Site included the excavation and disposal of approximately 19,300 cubic yards of impacted soil. No information was available for review regarding the excavation location or depth.
Product	<p>No information was included in the Site file regarding in which medium or thickness product was observed at the Site.</p> <p>Site 1: LNAPL was detected in a 255-foot by 173-foot area located down-gradient and approximately 335 feet from the proposed pipeline route.</p> <p>Site 2: LNAPL was detected in the southern portion of site 2B (adjacent and up-gradient of the proposed pipeline route) and in the western portion of site 2A. No information was available for review indicating the extent and magnitude of LNAPL in this area. No information was available for review indicating the number of monitoring wells sampled, their exact locations, or sampling data from any down-gradient wells (up-gradient of the proposed pipeline).</p> <p>Site 3: LNAPL was detected in the southern and northern portions of site 3. The proposed pipeline transects an LNAPL plume in the central-eastern portion of site 3 (along Richmond Terrace).</p>
GW Contamination (type/extent/[aquifer] depth)	<p>Site 1 – Subsequent to remedial activities in this area of the Site, targeted compounds detected in GW samples at concentration above their respective standards included naphthalene and phenol. No analytical data or down-gradient sample analytical results were included in the Site file.</p> <p>Site 2 – No information regarding GW sampling was available.</p> <p>Site 3 – GW impact comprises low concentrations of SVOCs (primarily PAHs) and metals above their respective NYSDEC standards. No information was available for review indicating the extent and magnitude of GW impact. No analytical data or figures depicting exact sample locations were included in the Site file.</p>
Other Impacted Media (SW/Sed)	Bridge Creek runs adjacent to the western portion of the Site. Surface water impacts were not detected in Bridge Creek. Sediment impacts in Bridge Creek have been detected but have not conclusively been associated with the P&G Site, nor were these impacts defined. No information was available for review indicating the extent of sediment impacts in Bridge Creek.
Utility Location Map/Subsurface Structures	Multiple utilities including easements to Exxon and the Colonial Pipeline Company intersect the proposed pipeline route in multiple locations.
USTs/ASTs	Numerous USTs and ASTs of various capacities are registered for the P&G Site (see attached figure). All tanks are listed as closed and were either removed or closed in-place.
Engineering Controls	N/A – proposed remedial actions are discussed below.
Deed Notice/CEA	N/A – proposed easement is discussed below
Other Remedial Measures	<p>Remedial actions proposed for the P&G Site include 1) Institution of a site-wide Deed Notice; 2) Establishing an Environmental Easement; 3) Excavating areas with LNAPL and associated contaminated soil; and 4) Post-remediation annual GW, surface water and sediment sampling.</p> <p>An environmental easement is proposed for the entire P&G Site which will require that the soil cover be maintained and notification be provided to NYSDEC if the cover is disturbed, as well as to allow NYSDEC access to the P&G Site to inspect the engineering controls.</p> <p>Engineering controls were proposed which included demarcation barrier and one foot of clean soil cover; no information was available for review indicating the status of these engineering controls.</p>
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The P&G Site is currently being redeveloped by the PANY/NJ as a container terminal and intermodal facility, and formerly contained a consumer goods manufacturing facility. The proposed pipeline route enters the central southern portion of the Site (between Site 2A to the west and Sites 2B and 3B to the east) and exits the central portion of the Site before turning east along Richmond Terrace. LNAPL and associated impacted soil were detected in the southwestern, southeastern and central portions of the Site, transecting the proposed pipeline in one area; targeted compounds detected in soils at concentration above their respective standard included PHCs and metals. No analytical data or listings of detected soil PAHs and metals were included in the Site file.</p> <p>Soil and GW impacts comprising low concentrations of SVOCs (primarily PAHs) and metals were detected above their respective NYSDEC standards in the eastern portion of the Site, and northern portion of the Site across Richmond Terrace. No information was available for review indicating the extent and magnitude of soil and GW impact. No analytical data or figures depicting exact sample locations (and distance from the proposed pipeline) were included in the Site file.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
	<p>HFM is expected to be encountered during pipeline installation activities at/near the Site.</p> <p>Multiple utilities, including easements to Exxon and the Colonial Pipeline Company, intersect the proposed pipeline route in multiple locations.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Coca Cola Enterprises

Review Task	
FOIL Reference Nos.	NYSDEC: R2-09-1334 and R2-09-1338; NYCDEP: 51675, 51676, 51677 and 51678
Temp TRC ID No.	NY 7
Abutter/Direct (A/D)	A (Quad 5)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline is located approximately 90 feet east of the Site.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The Site contains one single-story building and is operated and owned by Coca Cola Enterprise as a warehouse and distribution facility. According to historic Sanborn maps, the Site was identified as a "motor freight station" from sometime before 1962 to sometime after 1996. No further information was available regarding previous ownership/operator history. According to the NYSDEC Spill Incidents Database, three spill cases have been assigned to the Site, which have all been closed by the NYSDEC.</p> <p>Case No. 0709233 was reported to the NYSDEC on November, 26, 2007 when a saddle tank ruptured on a Coca Cola truck in the Site parking lot (exact location of spill unknown). Only a NYSDEC Spill Report Form was available for this spill case. Reportedly, 10-gallons of diesel oil were released onto soil and were contained. Based on the file review, clean-up actions were completed and the NYSDEC closed the spill case on November 26, 2007. The NYSDEC Spill Report Form does not indicate whether there were any impacts to GW, and no further information was available.</p> <p>On September 5, 1998, 90 gallons of diesel oil were released from a leaking tractor trailer tank onto soil at the Site (exact location of spill unknown) and Case No. 9806904 was assigned to the Site by the NYSDEC. Only a NYSDEC Spill Report Form was available to review for this spill case. Based on the file review, this was a "surface" release, clean-up actions were completed (90 gallons of diesel oil were reportedly recovered) and the NYSDEC closed the spill case on October 6, 2003. The NYSDEC Spill Report Form does not indicate whether there were any impacts to GW, and no further information was available.</p> <p>Case No. 9807144 was reported to the NYSDEC on September 11, 1998 when "contamination" was discovered during the removal of four 1,000-gallon USTs; and the removal of 1,400 gallons of residual petroleum from the USTs and associated piping. A NYSDEC Spill Report Form and a UST Closure Report (prepared by GeoEnvironmental, Inc. ["GZA"], November 1998) were available to review. The four USTs are registered on the NYSDEC PBS registry as diesel tanks; however, the GZA Closure Report indicates that three of the USTs were gasoline tanks and the remaining UST was a diesel tank.</p> <p>The bottoms of the USTs were located at approximately 11 feet bg and GW was encountered at eight to ten feet bg. It appears that GZA assumed GW flow was towards the northwest and the Arthur Kill located less than 1/2 mile from the Site; it does not appear that GW flow direction was investigated at the Site. According to the Closure Report, a concrete pad was observed below the USTs and "native soil could not be observed" (it does not appear that the concrete pad was removed during UST excavation activities). The on-site fuel dispensers and kiosk were disconnected and dissembled and there was no indication of leakage (the exact location of the fuel dispensers and kiosk is unknown). GZA did not observe evidence of corrosion or holes and there was "no lateral distribution of contamination in the side walls of the tank excavation". However, petroleum impacted pea gravel in the western portion of the excavation and free product and a sheen (on the water table) were observed in the center of the excavation during UST removal activities. As a result, approximately 50 tons of contaminated gravel were removed and disposed off-site and approximately 2,800 gallons of impacted GW were pumped out of the excavation with a vacuum truck and disposed off-site. The Closure Report indicated that "after pumping and following recharge, no free product or sheens were observed". GZA attributed the release to leaky joints or pipelines since the contaminated gravel was present below the USTs and holes and corrosion were not observed in the tanks or associated piping; however, no further information was provided regarding the leak or the exact location or depth contamination was identified).</p> <p>GZA did not collect post-excavation soil samples from the UST excavation due to the presence of pea gravel along the excavation sidewalls and the concrete pad on the bottom of the excavation; however, a grab GW sample was collected from the center of the excavation (where product and a sheen were observed) prior to pumping activities. Despite the presence of observable product in the excavation, no compounds were detected in the grab GW sample above their respective NYSDEC Class GA standard or guidance values ("Class GA Value"). The excavation area was</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	
	<p>backfilled with 68 cubic yards of clean backfill material. On September 11, 1998, NYSDEC requested the collection of three soil and GW samples in the excavation area where the former tank endpoints were located; and the collection of soil samples from the GW interface. Three soil borings were advanced along the northwest, southwest, and southeast walls of the excavated area to a depth of approximately 15 feet bg (the concrete pad thickness was not provided and it is unknown whether soil borings were advanced through the pad) and soil samples were collected at approximately 6.5 to 7.5 feet bg (just above the water table); GW samples were collected from temporary wells in each boring.</p> <p>According to GZA, "no residual soils contamination" was detected in the post-closure soil samples and "minimal GW contamination" was detected in the GW samples. According to the NYSDEC Spill Report Form, targeted compounds in the soil and GW samples were present at concentrations <NYSDEC SPOTS standards, except for one GW sample collected from the down-gradient well (identified as CC-1 on attached figure) where benzene was detected at a concentration of 1.2 ppb, minimally above its criteria (1.0 ppb). Despite this slight exceedance, according to the NYSDEC Spill Report Form, clean-up standards were met and the NYSDEC closed the spill case on July 27, 1999.</p> <p>The USTs excavation area was approximately 37 feet by 25 feet (depth unknown) (refer to attached Figures from GZA UST Closure Report for location of excavated area).</p>
NYSDEC/NYCDEP/USEPA Site Name	Coca Cola; Coca-Cola Bottling Company of New York; and Coca Cola Enterprises.
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	Active RCRA hazardous waste CESQG NYR000062588; NYSDEC PBS ID 2-601949
Other Case Nos. (if any)	NYSDEC spill case nos. 806904; 9807144; and 0709233
Address	400 Western Avenue, Staten Island, NY 10303
Block/Lot	Block 1410; Lot 183
Site Property Acreage	Approx. 4 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	<p>NYSDEC spill case no. 9807144 closed on July 27, 1999</p> <p>NYSDEC spill case no. 9806904 closed on October 6, 2003</p> <p>NYSDEC spill case no. 0709233 closed on November 26, 2007</p>
Case Mgr./Tel No.	NYSDEC: Austin and Sangesland (full names not listed in Site file) / (718) 776-6080
Topographic Land Surface Elevation (feet above mean sea level)	Approx. 10 feet amsl
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	9 feet bg (site-wide average)
GW Flow Direction/Contour Maps	It appears that GZA assumed GW flow was towards the northwest and the Arthur Kill located less than ½ mile from the Site; it does not appear that GW flow direction was investigated at the Site.
Soil Description/Permeability	Reddish, clayey sand; no further information was included in the Site file.
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	According to the GZA UST Closure Report, "no residual soils contamination" remains.
Chromium Impact	N/A
Excavated Areas	The USTs excavation area was approximately 37 feet by 25 feet (depth unknown) (refer to attached Figures from GZA UST Closure Report for location of excavated area).
Product	Free product and a sheen were observed on the water table in the center of the excavation during UST removal activities and approximately 2,800 gallons of impacted GW were pumped out of the excavation with a vacuum truck and disposed off-site. The Closure Report indicates that "after pumping and following recharge, no free product or sheens were observed". GZA attributed the release to leaky [pipe] joints or pipelines. 1,400-gallons of residual petroleum product from the USTs and associated piping were removed, the on-site fuel dispensers and kiosk were disconnected and disassembled, and the four USTs were excavated and removed off-site.
GW Contamination (type/extent/[aquifer] depth)	GW was encountered at eight to ten feet bg. Three GW samples were collected following excavation and backfilling activities; all analytical results were below criteria, except for one sample (collected from the down-gradient well) that contained a slight exceedance of benzene (1.2 ppb [SPOTS limit = 1.0 ppb]). Nonetheless, the NYSDEC subsequently closed the spill case and indicated clean-up standards were met.
Other Impacted Media (SW/Sed)	None known
Utility Location Map/Subsurface Structures	According to historic Sanborn maps (current as of 1996), a water utility pipe runs along Western Avenue (see attached figure); no information was available regarding the area of Western Avenue transected by the proposed pipeline.

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	
USTs/ASTs	<p>NYSDEC PBS ID 2-601949 - Four 1,000-gallon USTs, installed in 1988, were removed in September 1998. The four USTs are listed on the EDR regulatory agency database report and are registered on the NYSDEC PBS registry as diesel tanks. However, according to the GZA Closure Report, three of the tanks were fiberglass reinforced plastic gasoline USTs and the fourth was a fiberglass reinforced plastic diesel UST. Two pumps (diesel and gasoline), located near the tanks, were connected by underground steel pipelines.</p> <p>According to a NYSDEC PBS facility information report, two 250-gallon ASTs (one lubrication oil AST and one waste oil/used oil AST) were installed on-site in November 1999 and are currently "in-service"; no information was available regarding the on-site location of these ASTs.</p>
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The Site is currently developed as a warehouse and distribution facility operated by Coca Cola Enterprises and is currently an active RCRA hazardous waste CESQG. There are three NYSDEC spill cases assigned to the Site; all were closed by the NYSDEC. The proposed pipeline is located 90 feet east of the Site.</p> <p>GW was assumed to flow northwest, down-gradient of the proposed pipeline, towards the Arthur Kill located less than ½ mile from the Site; however, it does not appear that GW flow direction was investigated at the Site. Impacted gravel/soil associated with four diesel and/or gasoline 1,000-gallon USTs (removed in September 1998) has been excavated from the Site; however, minimal GW contamination (benzene) may remain and be encountered during pipeline installation activities near the Site.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: Texas East Transportation Corporation

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-09-1334, R2-09-1338; NYCDEP: 51675, 51676, 51677, 51678; USEPA: 02-FOI-00387-10
Temp TRC ID No.	NY 8
Abutter/Direct (A/D)	D (Quadr 4)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	The proposed pipeline route runs through the eastern portion of the Site; the remainder of the Site is located within the construction ROW. The Site is being considered as a future metering station along the proposed pipeline.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>According to Property Shark, the current Site owner is Texas East Transportation Corporation. FOIL requests submitted to the NYCDEP, NYSDEC and USEPA did not return information regarding the Site. The Site is not listed on the Superfund or RCRA hazardous waste USEPA list. The Site was not listed in an EDR regulatory database search report. According to Property Shark, the Site is listed as a Superfund/Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Site; and an on-site Hazardous Waste Substance Study has been performed (no report was provided to TRC for review); the CERCLIS database contains data regarding potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and/or private persons.</p> <p>According to historical Sanborn maps, the Site appears to be vacant until at least 1950 at which time a building labeled "Texas Eastern Transmission Co. – Distribute Station" occupied the Site. According to historical aerial photographs, the Site currently and historically has contained a power distribution station since at least 1954 including a building in the southwestern portion of the Site, and power lines/transmission units in the remainder of the Site.</p> <p>Two soil samples collected for PCB analyses (in accordance with an undated USEPA Consent Decree) did not contain PCBs at concentrations above the site-specific standard (no further information regarding this site-specific standard was available).</p> <p>Approximately 19.5 cubic yards of mercury-impacted soil were removed from the Site in 1993; residual mercury concentrations (less than the "cleanup level") are present at the Site (unknown depth) and are limited to the area immediately surrounding the current building, approximately 170 feet from the pipeline (i.e. they are not located within the construction ROW).</p> <p>Based on the above information, the Site subsurface is not expected to adversely impact the proposed pipeline; however, above-surface structures may be encountered during pipeline installation activities at the Site.</p>
NYSDEC/NYCDEP/USEPA Site Name	N/A
Alternate/EPL Facility Names (if any)	Keyspan Energy
NYSDEC/NYCDEP/USEPA ID No.	N/A
Other Case Nos. (if any)	N/A
Address	2945 Goethals Road North, Staten Island, NY 10303 425 Western Avenue, Staten Island, NY 10303
Block/Lot	Block 1394; Lot 101
Site Property Acreage	0.98 acres
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	N/A
Case Mgr./Tel No.	N/A
Topographic Land Surface Elevation (feet above mean sea level)	Approximately 11 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	Unknown
GW Flow Direction/Contour Maps	No information was available regarding GW flow at the Site; however, based on the nearby location of the nearest water body (Old Place Creek), GW flow is presumed to be to the southwest.
Soil Description/Permeability	Unknown
Historic Fill Material/Depth (feet below surface)	Unknown
Soil Contamination (type/extent/depth)	Mercury was visually observed in soils surrounding the on-site building. Approximately 19.5 cubic yards of mercury-impacted soils were removed from the Site in 1993 (excavation location unknown). Residual mercury in the soil (concentrations less than the "cleanup level") are limited to the area adjacent to the on-site building (max = 16.6 ppm), approximately 170 feet from the proposed pipeline.
Chromium Impact	Unknown

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Excavated Areas	Unknown
Product	Unknown
GW Contamination (type/extent/[aquifer] depth)	Unknown
Other Impacted Media (SW/Sed)	Unknown
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	A <i>pipeline liquid tank</i> was formerly located at the Site (outside the proposed Construction ROW); contents and removal details of this UST were not available.
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	According to a November 1, 2010 Environmental Health and Safety memorandum, due to the historical use of PCBs, excavated soil from the meter station property that cannot be re-used on-site for engineering purposes will have to be sampled to determine off-site disposal options. Soils excavated from inside the fenced meter site must be placed back in the original location (backfill) if possible.
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The Site currently and historically has contained a power distribution station since at least 1954 including a building in the southwestern portion of the Site, and power lines/transmission units in the remainder of the Site. The proposed pipeline route runs through the eastern portion of the Site; the remainder of the Site is located within the construction ROW. The Site is being considered as a future metering station along the proposed pipeline.</p> <p>FOIL requests submitted to the NYCDEP, NYSDEC and USEPA did not return information regarding the Site. The Site is not listed on the Superfund or RCRA hazardous waste USEPA list. The Site was not listed in an EDR regulatory database search report.</p> <p>Two soil samples collected for PCB analyses did not contain PCBs at concentrations above the site-specific standard (see above). Residual mercury concentrations are present at the Site and are limited to the area immediately surrounding the current building, approximately 170 feet from the pipeline (i.e. they are not located within the construction ROW). Based on the above information, the Site subsurface is not expected to adversely impact the proposed pipeline; however, above-surface structures may be encountered during pipeline installation activities at the Site. Additionally, due to the historical use of PCBs, excavated soil from the meter station property that cannot be re-used on-site for engineering purposes will have to be sampled to determine off-site disposal options. Soils excavated from inside the fenced meter site must be placed back in the original location (backfill) if possible.</p>

**New Jersey/New York Expansion Project
Site Review Summary Table**

Site Name: NYCT Hudson Depot – Pier 57

Review Task	Site Information
FOIL Reference Nos.	NYSDEC: R2-10-977; NYCDEP: 59151, 59152, 59153 and 59154
Temp TRC ID No.	NY 124
Abutter/Direct (A/D)	A (Quad 17)
Proximity of Site to Proposed Pipeline or Location of Pipeline On-Site	Approximately 0.25-mile north and cross-gradient of the proposed pipeline.
Site History - Operational and Investigative Activities (incl. start date, remedial status, etc.)	<p>The currently vacant Site, located on Pier 57, formerly contained a New York City Transit (NYCT) bus depot that was closed in September 2003.</p> <p>Two 7,100-gallon diesel USTs are located along the eastern portion of the Site, west of 11th Avenue, approximately 1,500 feet north-northeast of the proposed pipeline. On September 6, 2001, one of the USTs failed a tank tightness test and NYSDEC Spill Case No. 9106100 was assigned to the Site. Remedial investigations performed in the UST area in 1993 and 1994 identified the presence of floating product on the GW surface. According to a November 2004 URS Corporation (URS) Site-Specific Remedial Plan and Design for the Bioremediation (SSRP/RD) for the Site, tidal influences spread the floating product vertically creating a “smear zone” approximately 11 feet thick (4 to 15 feet bg). The horizontal extent of the product plume was approximately 3,200-square feet (see attached figure), approximately 1,500 feet north-northeast of the proposed pipeline. These activities were performed under a May 2001 NYSDEC Consent Order (No. CO2-20000101-3321). From 1994 to 1997, approximately 430 gallons of product were recovered using an interim remedial action product recovery system. In 1998, the two diesel USTs were closed-in-place. A UST closure investigation was conducted in January 1999 and soil contamination (visible product on subsurface soils) was identified. Additionally, according to a Site figure, an 8,000-gallon heating oil UST was removed from the Site, in the petroleum product plume area; additional information regarding this UST was not included in the Site file.</p> <p>GW samples were collected twice a year from 1999 until at least 2004; VOCs detected at concentrations above their respective NYSDEC GW criteria (most recent GW data available is from 2004) included isopropylbenzene, sec-butylbenzene, benzene, n-butylbenzene and p-isopropyltoluene. Residual contamination was addressed in 2002 using bioremediation; however, further monitoring/sampling indicated the continued presence of residual contamination - a product plume located adjacent to and west of the diesel USTs, approximately 1,500 feet north-northeast of the proposed pipeline. URS prepared a work plan for monitored natural attenuation (MNA) at the Site, which was submitted to the NYSDEC in August 2005 and approved in October 2005. The MNA program consists of quarterly soil sampling and GW sampling. The most recent Monthly Status Report is dated June 2010 and covers the period of April 2010; the addition of RegenOx oxidizing material to several of the GW wells is planned.</p> <p>Soil and GW impact does not extend beyond the Site boundaries.</p> <p>Sediment samples were collected from Pier 57 (western portion of the Site) by Langan Engineering and Environmental Services, Inc (Langan) in 2002 (unknown sample depths and locations). Analytical results included the presence of 27 heavy metals (individual metals not specified), PAH and PCB contaminants. According to a July 5, 2002 Langan letter report, half of the detected contaminant concentrations were greater than applicable regulatory criteria (NYSDEC TAGM) (exceeding contaminant not specified).</p>
NYSDEC/NYCDEP/USEPA Site Name	Hudson Depot; Pier 57; NYCT Hudson Depot; and Hudson River Park.
Alternate/EPL Facility Names (if any)	N/A
NYSDEC/NYCDEP/USEPA ID No.	USEPA Resource Conservation and Recovery Act (RCRA) Conditionally Exempt Small Quantity Generator (CESQG) NYD980642235 (active); and NYSDEC PBS ID 2-190284.
Other Case Nos. (if any)	NYSDEC Spill Case Nos. 9106100 (open), 0202806 (open), 9408802 (closed 12/27/2000), and 9410156 (closed 6/2/2004)
Address	25-29 11 th Avenue, New York, New York 10011
Block/Lot	Block 662, Lot 3
Site Property Acreage	Approximately 6.1 acres (according to the NYC Map Portal and Property Shark)
Chromium ID No. (if applicable)	N/A
Regulatory Status of Case	Monthly monitoring for residual product in GW monitoring wells and a MNA program (quarterly GW and soil sampling) are currently being performed at the Site under NYSDEC Consent Order CO2-20000101-332. NYSDEC Spill Case Nos. 0202806 and 9106100 remain open.
Case Mgr./Tel No.	Randy Austin and Mark Tibbe (NYSDEC) / telephone numbers unavailable
Topographic Land Surface Elevation (feet above mean sea level)	Approximately 1-2 feet amsl (based on information obtained from Google Earth)
Property Survey Available (yes/no)	No
Depth to Ground Water (feet below surface)	5 to 8 feet bg at high tide; 7 to 11 feet bg at low tide (7.5 feet site-wide average)
GW Flow Direction/Contour Maps	West (although tidally influenced eastward flow (see attached contour maps).
Soil Description/Permeability	Historic fill material (HFM) comprising sand, cinders, brick, gravel and concrete (0 to 18 feet bg), underlain by organic silts and fine sand. Depth to bedrock is approximately 50 feet bg.
Historic Fill Material/Depth (feet below surface)	Yes, see above soil description above.
Soil Contamination (type/extent/depth)	Residual soil contamination (residual product [diesel] and low-level VOCs [dissolved-phase]) and SVOCs (PAHs) on-site – to approximately 15 feet bg. The area of contamination is approximately 4,000 square feet (approximately 1,500 feet north-northeast of the proposed pipeline).
Chromium Impact	N/A

**New Jersey/New York Expansion Project
Site Review Summary Table**

Review Task	Site Information
Excavated Areas	<p>Based on information included in the Site file, there have been no excavation activities at the Site. The two on-site USTs, located approximately 1,500-feet north-northeast of the proposed pipeline, were closed-in-place in 1998.</p> <p>According to the April 2010 Monthly Status Report, the New York State Department of Transportation (NYSDOT) “may remove the USTs and contaminated soil” as part of future on-site development plans. As of June 2005, the NYCT was informed that the NYSDOT only plans to remove a “minimal volume of impacted soil”. It is unknown when the NYSDOT plans to remove impacted soil and/or the USTs.</p>
Product	<p>The extent of the petroleum (diesel) product plume was approximately 3,200-square feet, approximately 4 to 15 feet bg, approximately 1,500 feet north-northeast of the proposed pipeline. The current location and extent of the plume is located around monitoring well W-21 (approximately 1,500 feet north-northeast of the proposed pipeline) (refer to attached figure).</p>
GW Contamination (type/extent/[aquifer] depth)	<p>The petroleum (diesel) product plume was present along an approximately 3,200-square feet area of the water table, and, due to tidal influence, created a smear zone in the soil column from approximately 4 to 15 feet bg, approximately 1,500 feet north-northeast of the proposed pipeline. The current location and extent of the plume is located around monitoring well W-21 (approximately 1,500 feet north-northeast of the proposed pipeline) (refer to attached figure). Residual contamination is currently being monitoring via monthly monitoring for product under a MNA program.</p>
Other Impacted Media (SW/Sed)	<p>Sediment samples were collected from Pier 57 (western portion of the Site) by Langan Engineering and Environmental Services, Inc (Langan) in 2002 (unknown sample depths and locations). Analytical results included the presence of 27 types of heavy metals (individual metals not specified), PAH and PCB contaminants. According to a July 5, 2002 Langan letter report, half of the detected contaminant concentrations were greater than applicable regulatory criteria (NYSDEC TAGM) (exceeding contaminant not specified).</p>
Utility Location Map/Subsurface Structures	N/A
USTs/ASTs	<p>A total of 14 PBS tanks (two USTs and 12 ASTs) on-site: one removed 275-gallon lubricating oil AST (removed in 1995); one in-service 4,000-gallon #2 fuel oil AST, two in-service 7,500-gallon #2 fuel oil ASTs, two removed 10,000-gallon #2 fuel oil ASTs (removed in 2004), one removed 650-gallon #2 fuel oil AST (removed in 2004), three in-service 4,000-gallon #2 fuel oil ASTs, two closed-in-place 7,100-gallon diesel USTs (tanks closed in 1998), one removed 1,000-gallon lubricating oil AST (removed in 2001), and one removed 1,000-gallon #2 fuel oil AST (removed in 2004).</p> <p>According to a Site figure, an 8,000-gallon heating oil UST was removed from the Site, in the petroleum product plume area; additional information regarding this UST was not included in the Site file.</p>
Engineering Controls	N/A
Deed Notice/CEA	N/A
Other Remedial Measures	N/A
Other Information	N/A
Brief Narrative Re: Potential Issues Related to Pipeline Installation incl. contamination; utilities; engineering controls, etc.	<p>The currently vacant Site, located on Pier 57, approximately 0.25-mile north and cross-gradient of the proposed pipeline, formerly contained a New York City Transit (NYCT) bus depot that was closed in September 2003.</p> <p>A petroleum (diesel) product plume related to two closed-in-place USTs was present along an approximately 3,200-square feet area of the water table at the Site, and, due to tidal influence, created a smear zone in the soil column from approximately 4 to 15 feet bg, approximately 1,500 feet north-northeast of the proposed pipeline. The current location and extent of the plume is located around monitoring well W-21 (approximately 1,500 feet north-northeast of the proposed pipeline). Residual contamination is currently being monitoring via monthly monitoring for product under a MNA program. Soil and GW impact does not extend beyond the Site boundaries.</p> <p>Sediment samples collected in the western portion of the Site contained elevated concentrations of 27 heavy metals, PAHs and PCBs; half of these contaminants were detected at concentrations greater than their respective regulatory criteria (NYSDEC TAGM).</p> <p>Although residual contamination remains on-site (product and impacted soil and GW); based on the cross-gradient direction and distance of the Site from the proposed pipeline, the Site is unlikely to adversely impact the proposed pipeline.</p>