BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

DEC requires an application to request major changes to the description of the property set forth in a Brownfield Cleanup Agreement, or "*BCA*" (e.g., adding a significant amount of new property, or adding property that could affect an eligibility determination due to contamination levels or intended land use). Such application must be submitted and processed in the same manner as the original application, including the required public comment period. **Is this an application to amend an existing BCA?**

☐ **Yes** ■ **No** **If yes, provide existing site number:** _____

PART A (note: application is separated into Parts A and B for DEC review purposes) ***BCP App Rev 9***

Section I. Requestor Information - See Instructions for Further Guidance

DEC USE ONLY
BCP SITE #:

NAME THE PENINSULA JV, LLC

ADDRESS 7 Jackson Walkway

CITY/TOWN Providence, Rhode Island ZIP CODE 02903

PHONE (401) 588-3150 | FAX (401)-588-5346 | E-MAIL BRastello@GilbaneCo.com

Is the requestor authorized to conduct business in New York State (NYS)? ■ Yes ☐ No

- If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear, exactly as given above, in the NYS Department of State's Corporation & Business Entity Database. A print-out of entity information from the database must be submitted to the New York State Department of Environmental Conservation (DEC) with the application, to document that the requestor is authorized to do business in NYS. Appendix A

Do all individuals that will be certifying documents meet the requirements detailed below? ■ Yes ☐ No

- Individuals that will be certifying BCP documents, as well as their employers, meet the requirements of Section 1.5 of *DER-10: Technical Guidance for Site Investigation and Remediation* and Article 145 of New York State Education Law. **Documents that are not properly certified will be not approved under the BCP**.

Section II. Project Description

1. What stage is the project starting at? ■ Investigation ☐ Remediation

2. If the project is starting at the remediation stage, a Remedial Investigation Report (RIR), Alternatives Analysis, and Remedial Work Plan must be attached (see *DER-10 / Technical Guidance for Site Investigation and Remediation* for further guidance).

3. If a final RIR is included, please verify it meets the requirements of Environmental Conservation Law (ECL) Article 27-1415(2): ☐ Yes ☐ No Not Applicable

4. Please attach a short description of the overall development project, including: Appendix B

- the date that the remedial program is to start; and
- the date the Certificate of Completion is anticipated.

Section III. Property's Environmental History Appendix C

All applications **must include** an Investigation Report (per ECL 27-1407(1)). The report must be sufficient to establish contamination of environmental media on the site above applicable Standards, Criteria and Guidance (SCGs) based on the reasonably anticipated use of the property.

To the extent that existing information/studies/reports are available to the requestor, please attach the following (**please submit the information requested in this section in electronic format only**):

1. **Reports:** an example of an Investigation Report is a Phase II Environmental Site Assessment report prepared in accordance with the latest American Society for Testing and Materials standard (ASTM E1903).

2. SAMPLING DATA: INDICATE KNOWN CONTAMINANTS AND THE MEDIA WHICH ARE KNOWN TO HAVE BEEN AFFECTED. LABORATORY REPORTS SHOULD BE REFERENCED AND COPIES INCLUDED.

Contaminant Category	Soil	Groundwater	Soil Gas
Petroleum	X	X	X
Chlorinated Solvents			X
Other VOCs			
SVOCs	X	X	
Metals	X		
Pesticides	X		
PCBs			
Other*			

***Please describe:** _____

3. FOR EACH IMPACTED MEDIUM INDICATED ABOVE, INCLUDE A SITE DRAWING INDICATING:

- **SAMPLE LOCATION**
- **DATE OF SAMPLING EVENT**
- **KEY CONTAMINANTS AND CONCENTRATION DETECTED**
- **FOR SOIL, HIGHLIGHT IF ABOVE REASONABLY ANTICIPATED USE**
- **FOR GROUNDWATER, HIGHLIGHT EXCEEDANCES OF 6NYCRR PART 703.5**
- **FOR SOIL GAS/ SOIL VAPOR/ INDOOR AIR, HIGHLIGHT IF ABOVE MITIGATE LEVELS ON THE NEW YORK STATE DEPARTMENT OF HEALTH MATRIX**

THESE DRAWINGS ARE TO BE REPRESENTATIVE OF ALL DATA BEING RELIED UPON TO MAKE THE CASE THAT THE SITE IS IN NEED OF REMEDIATION UNDER THE BCP. DRAWINGS SHOULD NOT BE BIGGER THAN 11" X 17". THESE DRAWINGS SHOULD BE PREPARED IN ACCORDANCE WITH ANY GUIDANCE PROVIDED.

ARE THE REQUIRED MAPS INCLUDED WITH THE APPLICATION?* ☒ **Yes** ☐ **No**
(*answering No will result in an incomplete application)

4. INDICATE PAST LAND USES (CHECK ALL THAT APPLY):

☐ Coal Gas Manufacturing	☐ Manufacturing	☐ Agricultural Co-op	☐ Dry Cleaner
☐ Salvage Yard	☐ Bulk Plant	☐ Pipeline	☐ Service Station
☐ Landfill	☐ Tannery	☐ Electroplating	☐ Unknown

Other: Laundry Facility, Stone Cutting Yard, Juvenile Detention Facility

Section IV. Property Information - See Instructions for Further Guidance Appendix D

PROPOSED SITE NAME The Peninsula

ADDRESS/LOCATION 1221 Spofford Avenue

CITY/TOWN Bronx ZIP CODE 10474

MUNICIPALITY(IF MORE THAN ONE, LIST ALL):
City of New York

COUNTY Bronx SITE SIZE (ACRES) 3.78

LATITUDE (degrees/minutes/seconds)	LONGITUDE (degrees/minutes/seconds)
40 ° 48 ‘ 51.95 “	73 ° 53 ‘ 25.86 “

COMPLETE TAX MAP INFORMATION FOR ALL TAX PARCELS INCLUDED WITHIN THE PROPERTY BOUNDARIES. ATTACH REQUIRED MAPS PER THE APPLICATION INSTRUCTIONS.

Parcel Address	Section No.	Block No.	Lot No.	Acreage
1221 Spofford Avenue	2	2738	35	3.78

1. Do the proposed site boundaries correspond to tax map metes and bounds? ■ Yes ☐ No
   If no, please attach a metes and bounds description of the property.

2. Is the required property map attached to the application? ■ Yes ☐ No
   (application will not be processed without map)

3. Is the property within a designated Environmental Zone (En-zone) pursuant to Tax Law 21(b)(6)? ■ Yes ☐ No
   (See DEC's website for more information)

   If yes, identify census tract : 93

   Percentage of property in En-zone (check one): ☐ 0-49% ☐ 50-99% ■ 100%

4. Is this application one of multiple applications for a large development project, where the development project spans more than 25 acres (see additional criteria in BCP application instructions)? ☐ Yes ■ No

   If yes, identify name of properties (and site numbers if available) in related BCP applications:_____

5. Is the contamination from groundwater or soil vapor solely emanating from property other than the site subject to the present application? ☐ Yes ■ No

6. Has the property previously been remediated pursuant to Titles 9, 13, or 14 of ECL Article 27, Title 5 of ECL Article 56, or Article 12 of Navigation Law? ☐ Yes ■ No
   If yes, attach relevant supporting documentation.

7. Are there any lands under water? ☐ Yes ■ No
   If yes, these lands should be clearly delineated on the site map.

Section IV. Property Information (continued)

8. Are there any easements or existing rights of way that would preclude remediation in these areas?
If yes, identify here and attach appropriate information. ☐ Yes ☒ No

Easement/Right-of-way Holder	Description

9. List of Permits issued by the DEC or USEPA Relating to the Proposed Site (type here or attach information)

Type	Issuing Agency	Description
Petroleum Bulk Storage	NYSDEC	PBS#2-604085 Refer to Appendix D for additional details

10. Property Description and Environmental Assessment – **please refer to application instructions for the proper format of each narrative requested.** Appendix D
Are the Property Description and Environmental Assessment narratives included in the **prescribed format**? ☒ Yes ☐ No

11. For sites located within the five counties comprising New York City, is the requestor seeking a determination that the site is eligible for tangible property tax credits?
If yes, requestor must answer questions on the supplement at the end of this form. ☒ Yes ☐ No

12. Is the Requestor now, or will the Requestor in the future, seek a determination that the property is Upside Down? ☐ Yes ☒ No

13. If you have answered *Yes* to Question 12, above, is an independent appraisal of the value of the property, as of the date of application, prepared under the hypothetical condition that the property is not contaminated, included with the application? Not Applicable ☐ Yes ☐ No

NOTE: If a tangible property tax credit determination is not being requested in the application to participate in the BCP, the applicant may seek this determination at any time before issuance of a certificate of completion by using the BCP Amendment Application, except for sites seeking eligibility under the underutilized category.

If any changes to Section IV are required prior to application approval, a new page, initialed by each requestor, must be submitted.

Initials of each Requestor: ETB _____ _____ _____ _____ _____

BCP application - PART B (note: application is separated into Parts A and B for DEC review purposes)

Section V. Additional Requestor Information See Instructions for Further Guidance	DEC USE ONLY BCP SITE NAME: _____ BCP SITE #:_____	
NAME OF REQUESTOR'S AUTHORIZED REPRESENTATIVE Ed Broderick		
ADDRESS 7 Jackson Walkway		
CITY/TOWN Providence, Rhode Island		ZIP CODE 02903
PHONE 401-588-3150	FAX 401-588-5346	E-MAIL brastello@gilbaneco.com
NAME OF REQUESTOR'S CONSULTANT Frank Cherena		
ADDRESS 209 Shafter Street		
CITY/TOWN Islandia		ZIP CODE 11749
PHONE 631-232-2600	FAX 631-232-9898	E-MAIL fcherena@rouxinc.com
NAME OF REQUESTOR'S ATTORNEY Lawrence Schnapf		
ADDRESS 55 East 87th Street #8B		
CITY/TOWN New York		ZIP CODE 10128
PHONE 212-876-3189	FAX	E-MAIL Larry@SchnapfLaw.com

Section VI. Current Property Owner/Operator Information – if not a Requestor Appendix E

CURRENT OWNER'S NAME City Of New York (ACS)		OWNERSHIP START DATE: 12/11/1951
ADDRESS 150 William Street		
CITY/TOWN New York	ZIP CODE 10038	
PHONE (212) 341-0900	FAX	E-MAIL
CURRENT OPERATOR'S NAME City of New York - Vacant		
ADDRESS		
CITY/TOWN	ZIP CODE	
PHONE	FAX	E-MAIL

IF REQUESTOR IS NOT THE CURRENT OWNER, DESCRIBE REQUESTOR'S RELATIONSHIP TO THE CURRENT OWNER, INCLUDING ANY RELATIONSHIP BETWEEN REQUESTOR'S CORPORATE MEMBERS AND THE CURRENT OWNER.
PROVIDE A LIST OF PREVIOUS PROPERTY OWNERS AND OPERATORS WITH NAMES, LAST KNOWN ADDRESSES AND TELEPHONE NUMBERS AS AN ATTACHMENT. DESCRIBE REQUESTOR'S RELATIONSHIP, TO EACH PREVIOUS OWNER AND OPERATOR, INCLUDING ANY RELATIONSHIP BETWEEN REQUESTOR'S CORPORATE MEMBERS AND PREVIOUS OWNER AND OPERATOR. IF NO RELATIONSHIP, PUT "NONE".

Section VII. Requestor Eligibility Information (Please refer to ECL § 27-1407) Appendix F

If answering "yes" to any of the following questions, please provide an explanation as an attachment.

1. Are any enforcement actions pending against the requestor regarding this site? ☐ Yes ■ No
2. Is the requestor subject to an existing order for the investigation, removal or remediation of contamination at the site? ☐ Yes ■ No
3. Is the requestor subject to an outstanding claim by the Spill Fund for this site? Any questions regarding whether a party is subject to a spill claim should be discussed with the Spill Fund Administrator. ☐ Yes ■ No

Section VII. Requestor Eligibility Information (continued)

4. Has the requestor been determined in an administrative, civil or criminal proceeding to be in violation of i) any provision of the ECL Article 27; ii) any order or determination; iii) any regulation implementing Title 14; or iv) any similar statute, regulation of the state or federal government? If so, provide an explanation on a separate attachment. ☐ Yes ■ No
5. Has the requestor previously been denied entry to the BCP? If so, include information relative to the application, such as name, address, DEC assigned site number, the reason for denial, and other relevant information. ☐ Yes ■ No
6. Has the requestor been found in a civil proceeding to have committed a negligent or intentionally tortious act involving the handling, storing, treating, disposing or transporting of contaminants? ☐ Yes ■ No
7. Has the requestor been convicted of a criminal offense i) involving the handling, storing, treating, disposing or transporting of contaminants; or ii) that involves a violent felony, fraud, bribery, perjury, theft, or offense against public administration (as that term is used in Article 195 of the Penal Law) under federal law or the laws of any state? Yes No
8. Has the requestor knowingly falsified statements or concealed material facts in any matter within the jurisdiction of DEC, or submitted a false statement or made use of or made a false statement in connection with any document or application submitted to DEC? ☐ Yes ■ No
9. Is the requestor an individual or entity of the type set forth in ECL 27-1407.9 (f) that committed an act or failed to act, and such act or failure to act could be the basis for denial of a BCP application? Yes X No
10. Was the requestor's participation in any remedial program under DEC's oversight terminated by DEC or by a court for failure to substantially comply with an agreement or order? ☐ Yes ■ No
11. Are there any unregistered bulk storage tanks on-site which require registration? ☐ Yes ■ No

THE REQUESTOR MUST CERTIFY THAT HE/SHE IS EITHER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE WITH ECL 27-1405 (1) BY CHECKING ONE OF THE BOXES BELOW:

☐ PARTICIPANT

A requestor who either 1) was the owner of the site at the time of the disposal of hazardous waste or discharge of petroleum or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

■ VOLUNTEER Appendix F

A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

NOTE: By checking this box, a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste.

If a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site, submit a statement describing why you should be considered a volunteer – be specific as to the appropriate care taken.

Section VII. Requestor Eligibility Information (continued)

Requestor Relationship to Property (check one):
☐ Previous Owner ☐ Current Owner ☑ Potential /Future Purchaser ☐ Other_____

If requestor is not the current site owner, **proof of site access sufficient to complete the remediation must be submitted**. Proof must show that the requestor will have access to the property before signing the BCA and throughout the BCP project, including the ability to place an easement on the site Is this proof attached?

■ Yes ☐ No Appendix F

Note: a purchase contract does not suffice as proof of access.

Section VIII. Property Eligibility Information - See Instructions for Further Guidance Appendix G

1. Is / was the property, or any portion of the property, listed on the National Priorities List?
   If yes, please provide relevant information as an attachment.
   ☐ Yes ■ No
2. Is / was the property, or any portion of the property, listed on the NYS Registry of Inactive Hazardous Waste Disposal Sites pursuant to ECL 27-1305? ☐ Yes ■ No
   If yes, please provide: Site #_____ Class # _____
3. Is / was the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? ☐ Yes ■ No
   If yes, please provide: Permit type:_____ EPA ID Number:_____
   Date permit issued:_____ Permit expiration date:_____
4. If the answer to question 2 or 3 above is yes, is the site owned by a volunteer as defined under ECL 27-1405(1)(b), or under contract to be transferred to a volunteer? Attach any information available to the requestor related to previous owners or operators of the facility or property and their financial viability, including any bankruptcy filing and corporate dissolution documentation. ☐ Yes ■ No
5. Is the property subject to a cleanup order under Navigation Law Article 12 or ECL Article 17 Title 10?
   If yes, please provide: Order # Refer to Appendix G ■ Yes ☐ No
6. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum?
   If yes, please provide explanation as an attachment. ☐ Yes ■ No

Section IX. Contact List Information Appendix H

To be considered complete, the application must include the Brownfield Site Contact List in accordance with *DER-23 / Citizen Participation Handbook for Remedial Programs*. Please attach, at a minimum, the names and addresses of the following:

1. The chief executive officer and planning board chairperson of each county, city, town and village in which the property is located.
2. Residents, owners, and occupants of the property and properties adjacent to the property.
3. Local news media from which the community typically obtains information.
4. The public water supplier which services the area in which the property is located.
5. Any person who has requested to be placed on the contact list.
6. The administrator of any school or day care facility located on or near the property.
7. The location of a document repository for the project (e.g., local library). In addition, attach a copy of an acknowledgement from the repository indicating that it agrees to act as the document repository for the property.
8. Any community board located in a city with a population of one million or more, if the proposed site is located within such community board's boundaries.

Section X. Land Use Factors

Appendix I

1. What is the current zoning for the site? What uses are allowed by the current zoning?
   ☑ Residential ☐ Commercial ☐ Industrial
   If zoning change is imminent, please provide documentation from the appropriate zoning authority.

2. Current Use: ☐ Residential ☐ Commercial ☐ Industrial ☑ Vacant ☐ Recreational (check all that apply) Vacant since 2011
   Attach a summary of current business operations or uses, with an emphasis on identifying possible contaminant source areas. If operations or uses have ceased, provide the date.

3. Reasonably anticipated use Post Remediation: ☑ Residential ☑ Commercial ☑ Industrial (check all that apply) **Attach a statement detailing the specific proposed use.**

   If residential, does it qualify as single family housing? ☐ Yes ■ No

4. Do current historical and/or recent development patterns support the proposed use?	■ Yes ☐ No
5. Is the proposed use consistent with applicable zoning laws/maps? Briefly explain below, or attach additional information and documentation if necessary. The proposed residential space is consistent with the current zoning provisions for the property. The incorporation of light industrial and commercial use is in line with surrounding land uses. However, property rezoning will be necessary to incorporate these additional land uses.	■ Yes ☐ No
6. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, or other adopted land use plans? Briefly explain below, or attach additional information and documentation if necessary. Refer to Appendix I.	■ Yes ☐ No

XI. Statement of Certification and Signatures

(By requestor who is an individual)

If this application is approved, I hererby acknowledge and agree: (1) to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter; (2) to the general terms and conditions set forth in the *Proposed DER-32, Brownfield Cleanup Program Applications and Agreements*; and (3) that in the event of a conflict between the general terms and conditions of participation and the terms contained in a site-specific BCA, the terms in the site-specific BCA shall control. Further, I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: _____ Signature: _____

Print Name: _____

(By a requestor other than an individual)

I hereby affirm that I am Designated Agent (title) of The Peninsula JV, LLC (entity); that I am authorized by that entity to make this application and execute the Brownfield Cleanup Agreement (BCA) and all subsequent amendments; that this application was prepared by me or under my supervision and direction. If this application is approved, I acknowledge and agree: (1) to execute a BCA within 60 days of the date of DEC's approval letter; (2) to the general terms and conditions set forth in the *Proposed DER-32, Brownfield Cleanup Program Applications and Agreements*; and (3) that in the event of a conflict between the general terms and conditions of participation and the terms contained in a site-specific BCA, the terms in the site-specific BCA shall control. Further, I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date: 6/29/17 Signature: Ed T. Broderick

Print Name: Ed Broderick

SUBMITTAL INFORMATION:

- **Two (2)** copies, one paper copy with original signatures and one electronic copy in Portable Document Format (PDF), must be sent to:
  - Chief, Site Control Section
  - New York State Department of Environmental Conservation
  - Division of Environmental Remediation
  - 625 Broadway
  - Albany, NY 12233-7020

FOR DEC USE ONLY
BCP SITE T&A CODE: _____ **LEAD OFFICE:** _____

Supplemental Questions for Sites Seeking Tangible Property Credits in New York City ONLY. Sufficient information to demonstrate that the site meets one or more of the criteria identified in ECL 27 1407(1-a) must be submitted if requestor is seeking this determination.

BCP App Rev 9 Appendix J

Property is in Bronx, Kings, New York, Queens, or Richmond counties.	■ Yes ☐ No
Requestor seeks a determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit.	■ Yes ☐ No
Please answer questions below and provide documentation necessary to support answers.	
1. Is at least 50% of the site area located within an environmental zone pursuant to NYS Tax Law 21(b)(6)? Please see DEC's website for more information.	■ Yes ☐ No
2. Is the property upside down or underutilized as defined below? Upside Down?	☐ Yes ■ No
Underutilized?	☐ Yes ■ No

From ECL 27-1405(31):

"Upside down" shall mean a property where the projected and incurred cost of the investigation and remediation which is protective for the anticipated use of the property equals or exceeds seventy-five percent of its independent appraised value, as of the date of submission of the application for participation in the brownfield cleanup program, developed under the hypothetical condition that the property is not contaminated.

From 6 NYCRR 375-3.2(l) as of August 12, 2016: (Please note: Eligibility determination for the underutilized category can only be made at the time of application)

375-3.2:

(l) "Underutilized" means, as of the date of application, real property on which no more than fifty percent of the permissible floor area of the building or buildings is certified by the applicant to have been used under the applicable base zoning for at least three years prior to the application, which zoning has been in effect for at least three years; and

(1) the proposed use is at least 75 percent for industrial uses; or

(2) at which:

(i) the proposed use is at least 75 percent for commercial or commercial and industrial uses;

(ii) the proposed development could not take place without substantial government assistance, as certified by the municipality in which the site is located; and

(iii) one or more of the following conditions exists, as certified by the applicant:

(a) property tax payments have been in arrears for at least five years immediately prior to the application;

(b) a building is presently condemned, or presently exhibits documented structural deficiencies, as certified by a professional engineer, which present a public health or safety hazard; or

(c) there are no structures.

"Substantial government assistance" shall mean a substantial loan, grant, land purchase subsidy, land purchase cost exemption or waiver, or tax credit, or some combination thereof, from a governmental entity.

Supplemental Questions for Sites Seeking Tangible Property Credits in New York City (continued)

3. If you are seeking a formal determination as to whether your project is eligible for Tangible Property Tax Credits based in whole or in part on its status as an affordable housing project (defined below), you must attach the regulatory agreement with the appropriate housing agency (typically, these would be with the *New York City Department of Housing, Preservation and Development*; *the New York State Housing Trust Fund Corporation*; the *New York State Department of Housing and Community Renewal*; or the *New York State Housing Finance Agency*, though other entities may be acceptable pending Department review). **Check appropriate box, below**: Appendix J

☐ Project is an Affordable Housing Project - Regulatory Agreement Attached;

☑ Project is Planned as Affordable Housing, But Agreement is Not Yet Available* (*Checking this box will result in a "pending" status. The Regulatory Agreement will need to be provided to the Department and the Brownfield Cleanup Agreement will need to be amended prior to issuance of the CoC in order for a positive determination to be made.);

☐ This is Not an Affordable Housing Project.

From 6 NYCRR 375- 3.2(a) as of August 12, 2016:

(a) "Affordable housing project" means, for purposes of this part, title fourteen of article twenty seven of the environmental conservation law and section twenty-one of the tax law only, a project that is developed for residential use or mixed residential use that must include affordable residential rental units and/or affordable home ownership units.

(1) Affordable residential rental projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which defines (i) a percentage of the residential rental units in the affordable housing project to be dedicated to (ii) tenants at a defined maximum percentage of the area median income based on the occupants' households annual gross income.

(2) Affordable home ownership projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which sets affordable units aside for home owners at a defined maximum percentage of the area median income.

(3) "Area median income" means, for purposes of this subdivision, the area median income for the primary metropolitan statistical area, or for the county if located outside a metropolitan statistical area, as determined by the United States department of housing and urban development, or its successor, for a family of four, as adjusted for family size.

BCP Application Summary (for DEC use only)

Site Name: The Peninsula **Site Address:** 1221 Spofford Avenue
City: **County:** **Zip:** 10474

Tax Block & Lot
Section (if applicable): 2 **Block:** 2738 **Lot:** 35

Requestor Name: **Requestor Address:**
City: **Zip:** **Email:**

Requestor's Representative (for billing purposes)
Name: Ed Broderick **Address:** 7 Jackson Walkway
City: **Zip:** **Email:** brastello@gilbaneco.com

Requestor's Attorney
Name: Lawrence Schnapf **Address:** 55 East 87th Street #8B
City: **Zip:** **Email:** Larry@SchnapfLaw.com

Requestor's Consultant
Name: Frank Cherena **Address:** 209 Shafter Street
City: Islandia **Zip:** 11749 **Email:** fcherena@rouxinc.com

Percentage claimed within an En-Zone: ☐ **0%** ☐ **<50%** ☐ **50-99%** ☐ **100%**

DER Determination: ☐ Agree ☐ Disagree

Requestor's Requested Status: ☐ **Volunteer** ☐ **Participant**

DER/OGC Determination: ☐ Agree ☐ Disagree
Notes:

For NYC Sites, is the Requestor Seeking Tangible Property Credits: ☐ Yes ☐ No

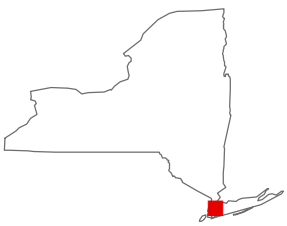
Does Requestor Claim Property is Upside Down: ☐ Yes ☐ No
DER/OGC Determination: ☐ Agree ☐ Disagree ☐ Undetermined
Notes:

Does Requestor Claim Property is Underutilized: ☐ Yes ☒ No
DER/OGC Determination: ☐ Agree ☐ Disagree ☐ Undetermined
Notes:

Does Requestor Claim Affordable Housing Status: ☐ Yes ☐ No ☐ Planned, No Contract
DER/OGC Determination: ☐ Agree ☐ Disagree ☐ Undetermined
Notes:

FIGURES

QUADRANGLE LOCATION



N

1,000 0 1,000 2,000

Feet

Title:

SITE LOCATION MAP

1221 SPOFFORD AVENUE
BRONX, NEW YORK

Prepared For:

THE PENINSULA JV, LLC

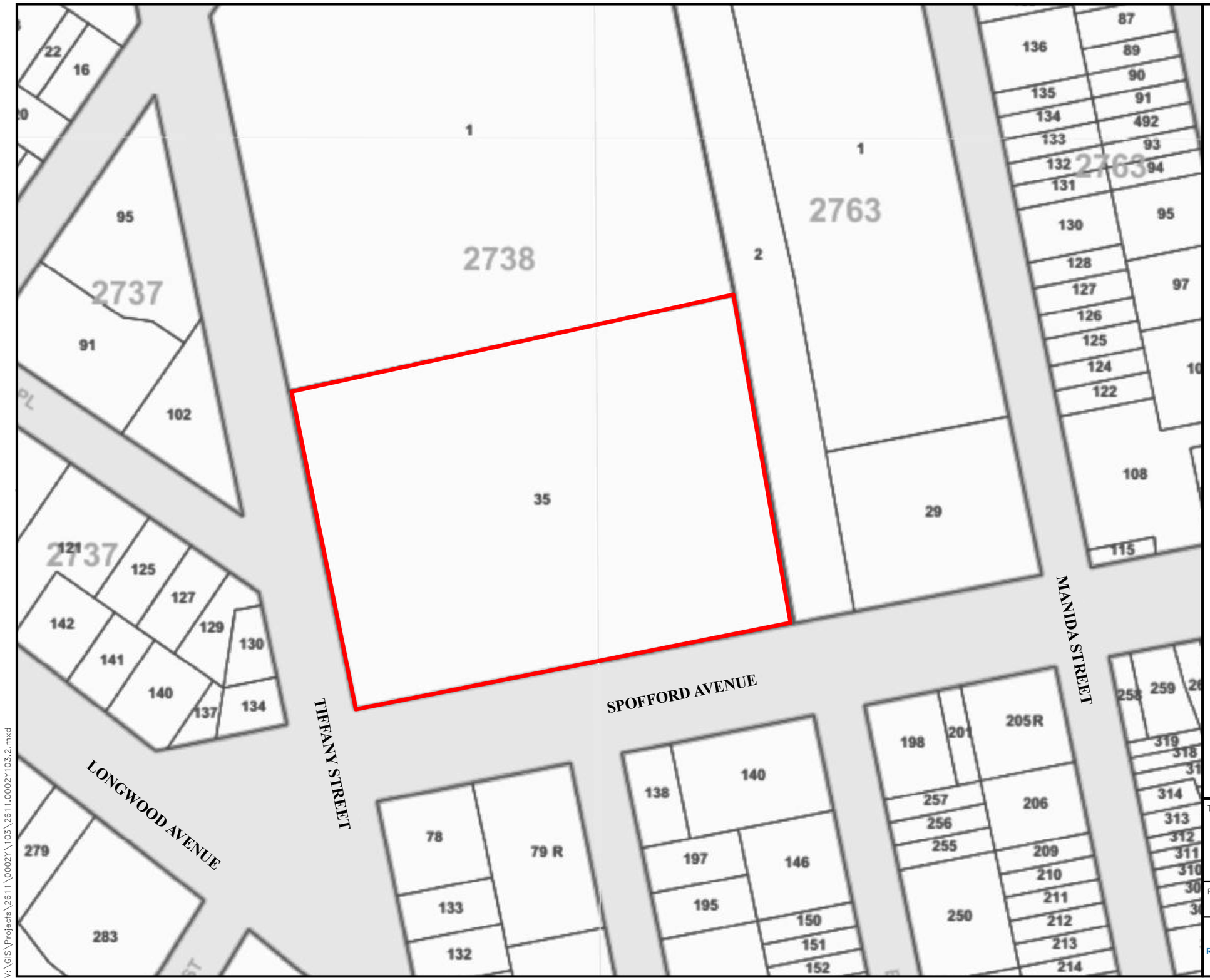
ROUX

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.P.G.	Date: 16JUN17
Prepared by: M.R.	Scale: AS SHOWN
Project Mgr: J.P.G.	Project: 2611.0002Y000
File: 2611.0002Y103.1.mxd	

FIGURE 1

V:\GIS\Projects\2611\0002Y\103\2611.0002Y103.1.mxd



V:\GIS\Projects\2611\0002Y\103\2611.0002Y103.2.mxd

Title:

TAX MAP

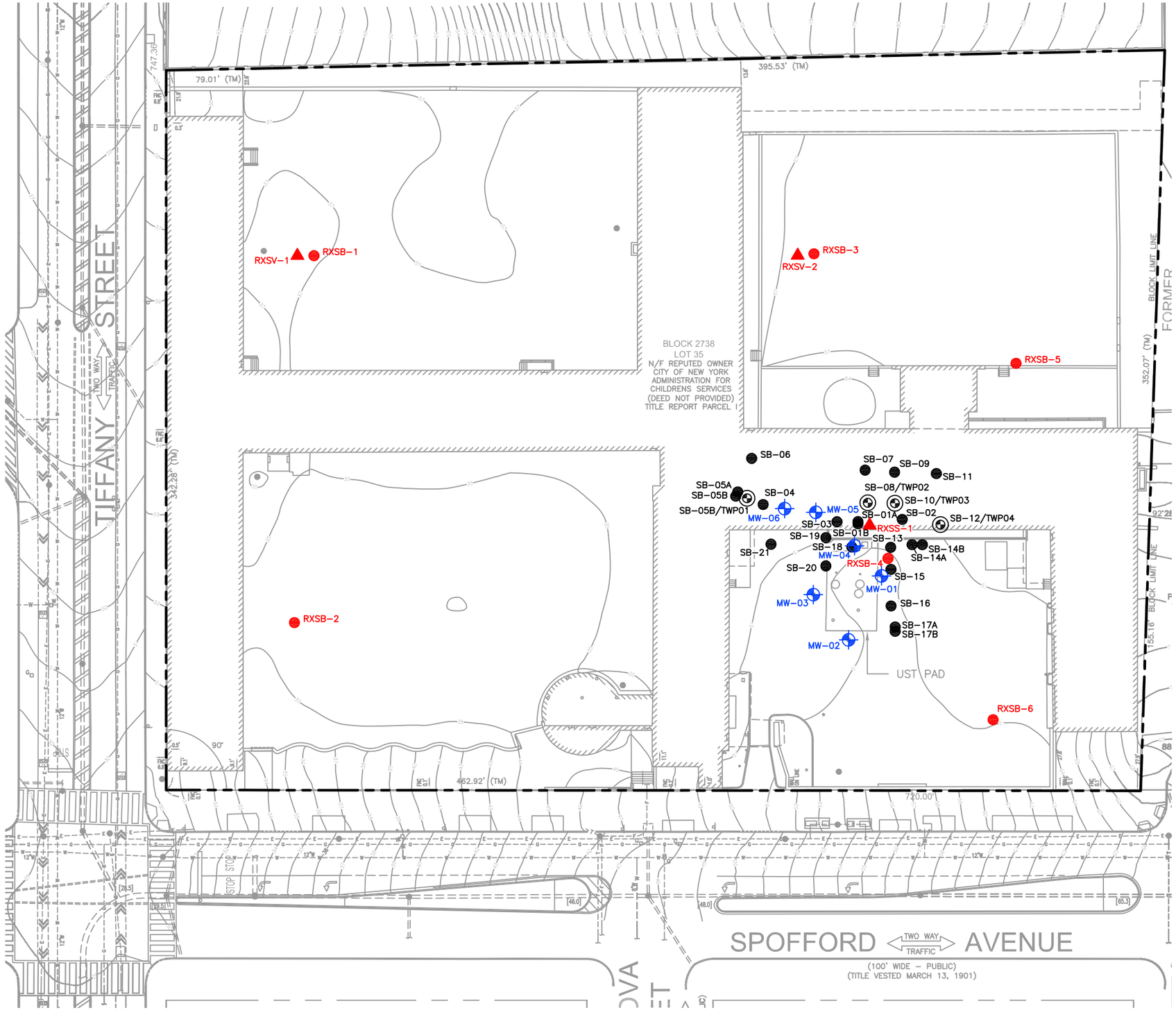
1221 SPOFFORD AVENUE
BRONX, NEW YORK

Prepared For:

THE PENINSULA JV, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.P.G.	Date: 16JUN17	FIGURE
Prepared by: M.R.	Scale: AS SHOWN	2
Project Mgr: J.P.G.	Project: 2611.0002Y000	
File: 2611.0002Y103.2.mxd		



Title:

SITE PLAN

1221 SPOFFORD AVENUE
BRONX, NEW YORK

Prepared For:

THE PENINSULA JV, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: K.S.	Date: 15JUN17	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: F.C.	Project: 2611.0002Y000	3
File: 2611.0002Y103.01.DWG		

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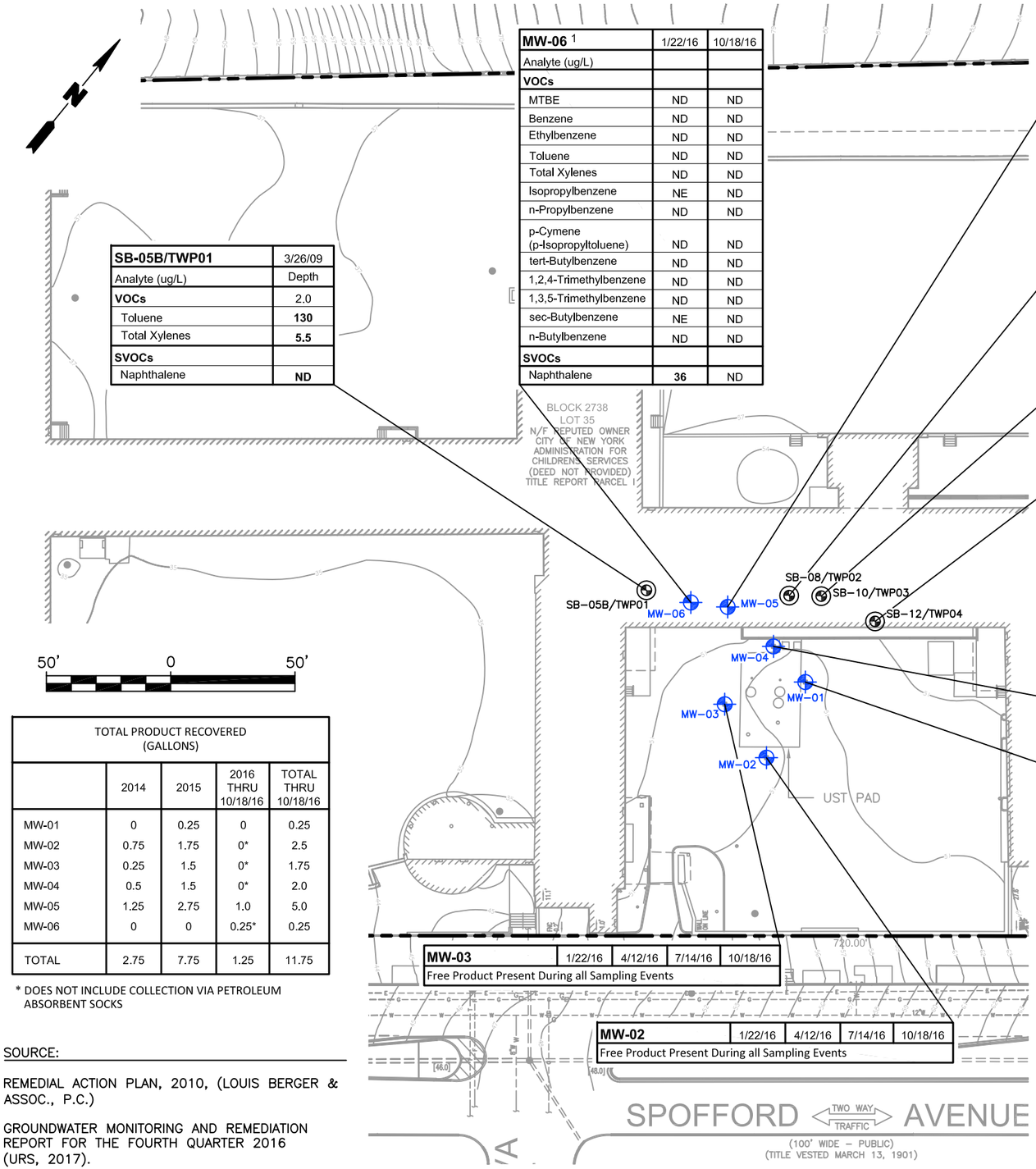

SB-05B/TWP01	3/26/09
Analyte (ug/L)	Depth
VOCs	2.0
Toluene	**130**
Total Xylenes	**5.5**
SVOCs	
Naphthalene	**ND**

MW-06 [1]	1/22/16	10/18/16
Analyte (ug/L)		
VOCs		
MTBE	ND	ND
Benzene	ND	ND
Ethylbenzene	ND	ND
Toluene	ND	ND
Total Xylenes	ND	ND
Isopropylbenzene	NE	ND
n-Propylbenzene	ND	ND
p-Cymene (p-Isopropyltoluene)	ND	ND
tert-Butylbenzene	ND	ND
1,2,4-Trimethylbenzene	ND	ND
1,3,5-Trimethylbenzene	ND	ND
sec-Butylbenzene	NE	ND
n-Butylbenzene	ND	ND
SVOCs		
Naphthalene	**36**	ND

MW-05	1/22/16	4/12/16	7/14/16	10/18/16
Free Product Present During all Sampling Events				

SB-08/TWP02	3/26/09
Analyte (ug/L)	Depth
VOCs	2.0
Toluene	**310**
1,2,4-Trimethylbenzene	**22**
1,3,5-Trimethylbenzene	**9.1**
SVOCs	
Naphthalene	**ND**

SB-10/TWP03	3/26/09
Analyte (ug/L)	Depth
VOCs	2.0
Toluene	**190**
1,2,4-Trimethylbenzene	**9.4**
SVOCs	
Naphthalene	**12**
TPH	2,700

SB-12/TW04	3/26/09
Analyte (ug/L)	Depth
VOCs	2.0
Benzene	**14**
Ethylbenzene	**6.1**
Toluene	**43**
Total Xylenes	**8**
sec-Butylbenzene	**6.5**
SVOCs	**NE**
TPH	6,500

MW-04	1/22/16	4/12/16	7/14/16	10/18/16
Free Product Present During all Sampling Events				

MW-01	1/22/16	4/12/16	7/14/16	10/18/16
Analyte (ug/L)				
VOCs				
MTBE	ND	ND	ND	ND
Benzene	**3**	**2**	NE	**3.3**
Ethylbenzene	**63**	**47**	**32**	**67.9**
Toluene	ND	ND	ND	ND
Total Xylenes	**66**	**33**	**22**	**79.7**
Isopropylbenzene	**13**	**10**	**9**	**17.2**
n-Propylbenzene	**22**	**18**	**15**	**30.1**
p-Cymene (p-Isopropyltoluene)	**7**	**6**	NE	**9.1**
tert-Butylbenzene	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**250 D**	**170**	**150**	**313**
1,3,5-Trimethylbenzene	**64**	**46**	**36**	**70**
sec-Butylbenzene	**6**	NE	NE	ND
n-Butylbenzene	**15**	**13**	**7**	**12.2**
SVOCs				
Naphthalene	**82**	**28**	**23**	**112**

MW-03	1/22/16	4/12/16	7/14/16	10/18/16
Free Product Present During all Sampling Events				

MW-02	1/22/16	4/12/16	7/14/16	10/18/16
Free Product Present During all Sampling Events				

TOTAL PRODUCT RECOVERED (GALLONS)				
	2014	2015	2016 THRU 10/18/16	TOTAL THRU 10/18/16
MW-01	0	0.25	0	0.25
MW-02	0.75	1.75	0*	2.5
MW-03	0.25	1.5	0*	1.75
MW-04	0.5	1.5	0*	2.0
MW-05	1.25	2.75	1.0	5.0
MW-06	0	0	0.25*	0.25
TOTAL	2.75	7.75	1.25	11.75

* DOES NOT INCLUDE COLLECTION VIA PETROLEUM ABSORBENT SOCKS

SOURCE:

REMEDIAL ACTION PLAN, 2010, (LOUIS BERGER & ASSOC., P.C.)

GROUNDWATER MONITORING AND REMEDIATION REPORT FOR THE FOURTH QUARTER 2016 (URS, 2017).

LEGEND

- SITE BOUNDARY
- MW-03 — MONITORING WELL LOCATION INSTALLED BY URS, 2014
- SB-08/TWP02 — COLOCATED SOIL BORING AND TEMPORARY WELL LOCATION FROM LOUIS BERGER AND ASSOC., P.C., 2009 INVESTIGATION

Parameter	Standards* (µg/L)
VOCs	
MTBE	10
Benzene	1
Ethylbenzene	5
Toluene	5
Total Xylenes	5
Isopropylbenzene	5
n-Propylbenzene	5
p-Cymene (p-Isopropyltoluene)	5
tert-Butylbenzene	5
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
sec-Butylbenzene	5
n-Butylbenzene	5
SVOCs	
Naphthalene	10

CONCENTRATIONS IN µg/L

µg/L – MICROGRAMS PER LITER
* – NYSDEC AWQSGVS
NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AWQSGVS – AMBIENT WATER-QUALITY STANDARDS AND GUIDANCE VALUES
– – NOT DETECTED ABOVE NYSDEC AWQSGV
B – FOUND IN LABORATORY BLANK
E – EXCEEDS CALIBRATION LIMIT
D – DILUTION
J – ESTIMATED VALUE
DUP – DUPLICATE SAMPLE
VOCS – VOLATILE ORGANIC COMPOUNDS
SVOCS – SEMIVOLATILE ORGANIC COMPOUNDS
NE – NO EXCEEDANCES
ND – NO DETECTION
BOLD – EXCEEDS AWQSGVS

NOTE

1. FREE PRODUCT PRESENT IN MW-06 DURING SAMPLING EVENTS ON 4/12/16 AND 7/14/16.

Title:

GROUNDWATER EXCEEDANCES

1221 SPOFFORD AVENUE
BRONX, NEW YORK

Prepared For:

THE PENINSULA JV, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: K.S.	Date: 14AUG17	FIGURE 4
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: F.C.	Project: 2611.0002Y000	
File: 2611.0002Y103.01.DWG		

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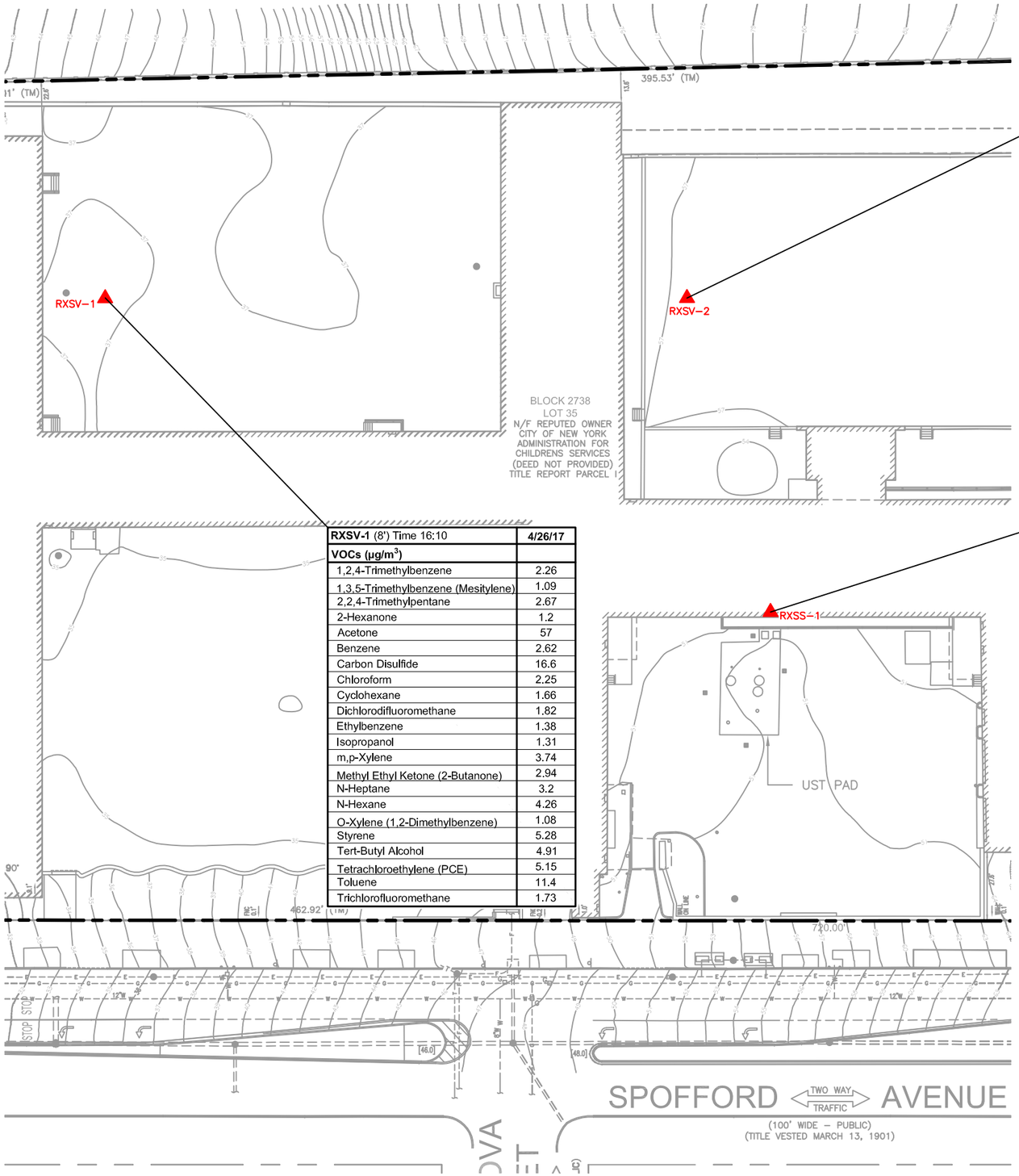

RXSV-1 (8') Time 16:10	**4/26/17**
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	2.26
1,3,5-Trimethylbenzene (Mesitylene)	1.09
2,2,4-Trimethylpentane	2.67
2-Hexanone	1.2
Acetone	57
Benzene	2.62
Carbon Disulfide	16.6
Chloroform	2.25
Cyclohexane	1.66
Dichlorodifluoromethane	1.82
Ethylbenzene	1.38
Isopropanol	1.31
m,p-Xylene	3.74
Methyl Ethyl Ketone (2-Butanone)	2.94
N-Heptane	3.2
N-Hexane	4.26
O-Xylene (1,2-Dimethylbenzene)	1.08
Styrene	5.28
Tert-Butyl Alcohol	4.91
Tetrachloroethylene (PCE)	5.15
Toluene	11.4
Trichlorofluoromethane	1.73

RXSV-2 (8') Time 15:16	**4/26/17**
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	1.51
2-Hexanone	31.1
Acetone	46.8
Benzene	0.703
Carbon Disulfide	1.86
Cis-1,2-Dichloroethylene	0.956
Dichlorodifluoromethane	1.66
Ethanol	15.7
Ethylbenzene	1.54
m,p-Xylene	5.08
Methyl Ethyl Ketone (2-Butanone)	255
N-Heptane	1.53
N-Hexane	0.969
O-Xylene (1,2-Dimethylbenzene)	1.49
Styrene	3.44
Toluene	8.44
Trichloroethylene (TCE)	**1.75**

RXSS-1 (16') Time 12:34	**4/27/17**
VOCs (µg/m³)	
Benzene	377
Cyclohexane	20200
Propylene	181

LEGEND

SITE BOUNDARY

RXSS–1
RXSV–2 APPROXIMATE SUB SLAB/SOIL VAPOR POINT FROM ROUX ASSOCIATES 2017 INVESTIGATION

NYSDOH CEH BEEI Soil Vapor Intrusion Guidance of May 2017			
Matrix A: Carbon tetrachloride, trichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethene			
Sub-Slab Vapor Concentration	**Indoor Air Concentration**		
	< 0.2	0.2 to <1	1+
<6	No Action	No Action	Resample or Mitigate
6 to < 60	No Action	Monitor	Mitigate
60	Mitigate	Mitigate	Mitigate
Matrix B: Tetrachloroethene, 1,1,1-Trichloroethane, Methylene Chloride			
Sub-Slab Vapor Concentration	**Indoor Air Concentration**		
	<3	3 to <10	10+
<100	No Action	No Action	Resample or Mitigate
100 to <1000	No Action	Monitor	Mitigate
1000	Mitigate	Mitigate	Mitigate
Matrix C: Vinyl chloride			
Sub-Slab Vapor Concentration	**Indoor Air Concentration**		
	< 0.2	0.2+	
<6	No Action	Resample or Mitigate	
6 to < 60	Monitor	Mitigate	
60	Mitigate	Mitigate	

CONCENTRATIONS IN µg/m³

µg/m³ – MICROGRAMS PER CUBIC METER

VOCs – VOLATILE ORGANIC COMPOUNDS

NYSDOH – NEW YORK STATE DEPARTMENT OF HEALTH

CEH – CENTER FOR ENVIRONMENTAL HEALTH

BEEI – BUREAU OF ENVIRONMENTAL EXPOSURE INVESTIGATION

BOLD – RESAMPLE OR MITIGATE

50' 0 50'

NOTE

1. FOR APPLICATION OF SOIL VAPOR RESULTS TO THE NYSDOH MATRIX GUIDANCE WITHOUT HAVING INDOOR AIR SAMPLES RESULTS, ACTION THRESHOLD ASSUMES NO ATTENUATION FACTOR, SOIL VAPOR CONCENTRATION ALSO APPLIES TO INDOOR AIR.
2. SAMPLE DEPTH IN FEET BELOW LAND SURFACE AND SAMPLING TIME PROVIDED FOR EACH SAMPLING LOCATION.

Title:

SOIL VAPOR DETECTIONS

1221 SPOFFORD AVENUE
BRONX, NEW YORK

Prepared For:

THE PENINSULA JV, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: K.S.	Date: 14AUG17	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	5
Project Mgr: F.C.	Project: 2611.0002Y000	
File: 2611.0002Y103.01.DWG		

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LEGEND

- **A** — 1221 SPOFFORD AVENUE, (AKA 707 BARRETTO STREET), BLOCK 2738, LOT 35 FORMER JUVENILE DETENTION CENTER OWNER: CITY OF NEW YORK
- **B** — 1320 LAFAYETTE AVENUE, BLOCK 2738, LOT 1. OWNERS CORPUS CHRISTI MONASTERY
- **C** — 711 MANDIA STREET, BLOCK 2763, LOT 29, LA PENINSULA COMMUNITY ORGANIZATION, INC. HEAD START. OWNER: CITY OF NEW YORK
- **D** — 765 MANIDA STREET, BLOCK 2763, LOTS 1&3 HUNTS POINT RECREATION CENTER/ JULIO CARBALLO FIELDS. OWNER: DEPARTMENT OF GENERAL SERVICES
- **E** — 1165 BURNETT PLACE, BLOCK 2737, LOT 102. OWNER: ELRO II, INC
- **F** — 1176 BURNETT PLACE, BLOCK 2737, LOT 29. OWNER: NEW YORK SPORT FOUNDATION
- **G** — 709 TIFFANY STREET, BLOCK 2737, LOT 130. OWNER: SAKB REALTY CORP.
- **H** — 1195 SPOFFORD AVENUE, BLOCK 2737, LOT 134. OWNER: BISOLA DIST
- **I** — 1202 SPOFFORD AVENUE, BLOCK 2765, LOT 78. OWNER: 1202 REALTY ASSOCIATE
- **J** — 667 CASANOVA STREET, BLOCK 2765, LOT 79. OWNER: HUNTS POINT HOUSING DEVELOPMENT FUND CORP.
- **K** — 1220 SPOFFORD AVENUE, BLOCK 2765, LOT 138. OWNER: NUNZIO DEL FRECCO REALTY
- **L** — 1230 SPOFFORD AVENUE, BLOCK 2765, LOT 140. OWNER: 1230 SPOFFORD AVE HDF
- **M** — 670 BARRETTO STREET, BLOCK 2765, LOT 198. OWNER: MELSY REALTY CORP.

SITE BOUNDARY

50 0 50 100 Feet

Title:

SITE PLAN WITH ADJACENT PROPERTY OWNERS

1221 SPOFFORD AVENUE
BRONX, NEW YORK

Prepared For:

THE PENINSULA JV, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.P.G.	Date: 16JUN17
Prepared by: M.R.	Scale: AS SHOWN
Project Mgr: J.P.G.	Project: 2611.0002Y000
File: 2611.0002Y103.3.mxd	

FIGURE 6

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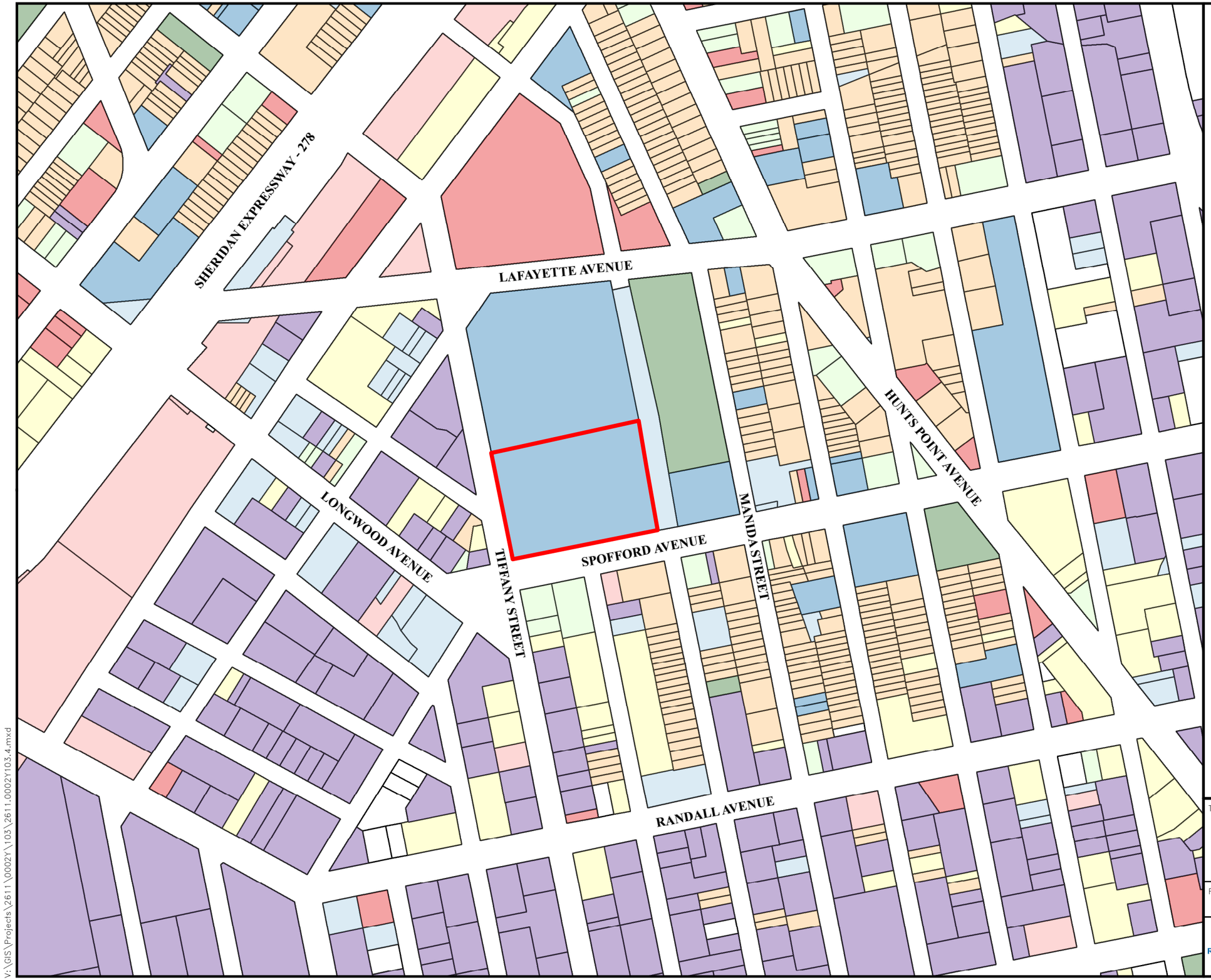

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LEGEND

- MULTI–FAMILY BUILDINGS
- MIXED RESIDENTIAL & COMMERICAL BUILDING
- COMMERICAL & OFFICE BUILDING
- INDUSTRIAL & MANUFACTURING
- TRANSPORTATION & UTILITY
- PUBLIC FACILITIES & INSTITUTIONS
- OPEN SPACE & OUTDOOR RECREATION
- PARKING FACILITIES
- VACANT LAND
- SITE BOUNDARY

150 0 150 300
Feet

0 0.1
Miles

Title:

LAND USE MAP

1221 SPOFFORD AVENUE
BRONX, NEW YORK

Prepared For:
THE PENINSULA JV, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.P.G.	Date: 16JUN17	FIGURE 7
Prepared by: M.R.	Scale: AS SHOWN	
Project Mgr: J.P.G.	Project: 2611.0002Y000	
File: 2611.0002Y103.4.mxd		

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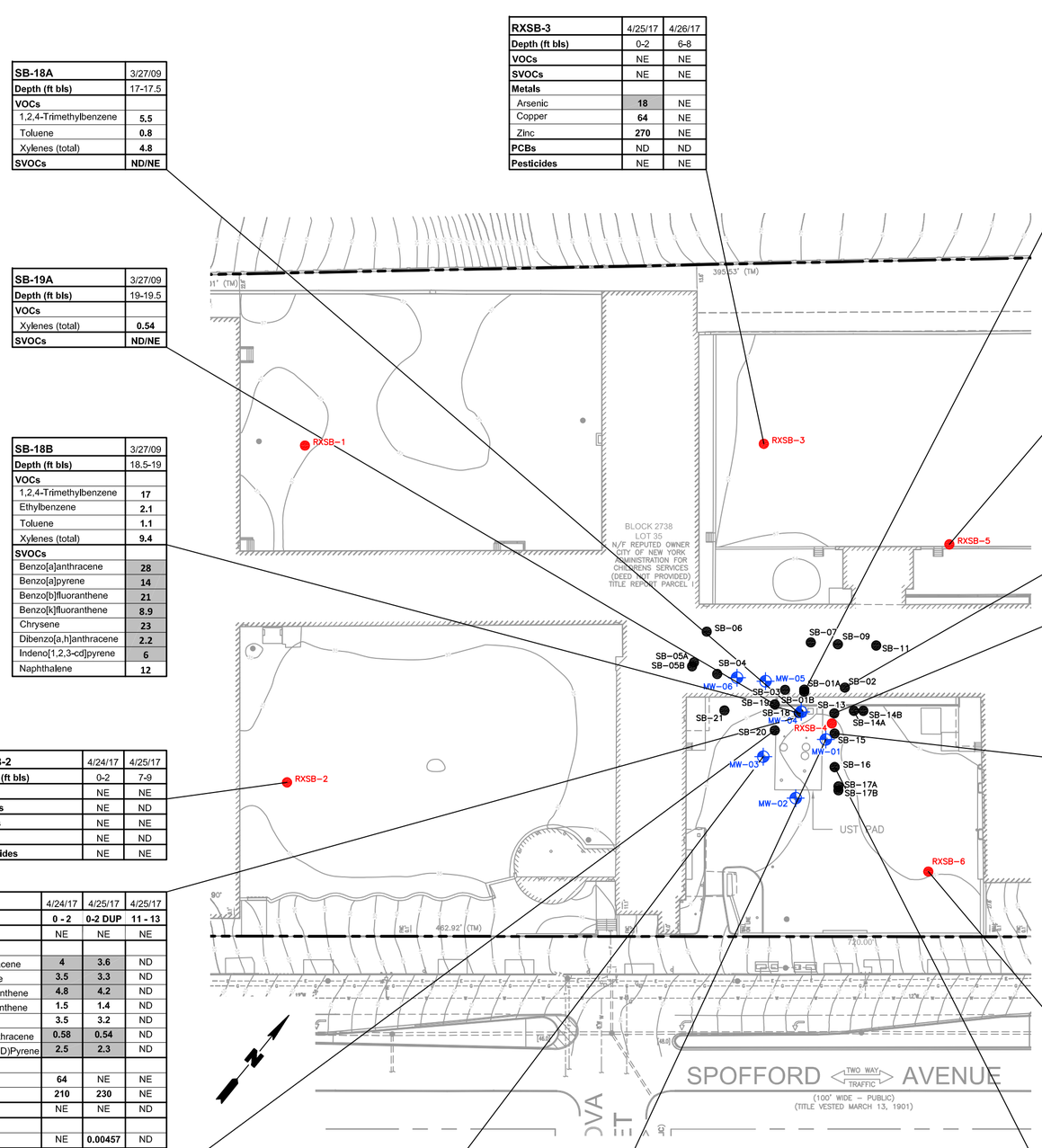

SB-18A	3/27/09
Depth (ft bls)	17-17.5
VOCs	
1,2,4-Trimethylbenzene	5.5
Toluene	0.8
Xylenes (total)	4.8
SVOCs	ND/NE

SB-19A	3/27/09
Depth (ft bls)	19-19.5
VOCs	
Xylenes (total)	0.54
SVOCs	ND/NE

SB-18B	3/27/09
Depth (ft bls)	18.5-19
VOCs	
1,2,4-Trimethylbenzene	17
Ethylbenzene	2.1
Toluene	1.1
Xylenes (total)	9.4
SVOCs	
Benzo[a]anthracene	28
Benzo[a]pyrene	14
Benzo[b]fluoranthene	21
Benzo[k]fluoranthene	8.9
Chrysene	23
Dibenzo[a,h]anthracene	2.2
Indeno[1,2,3-cd]pyrene	6
Naphthalene	12

RXSB-3	4/25/17	4/26/17
Depth (ft bls)	0-2	6-8
VOCs	NE	NE
SVOCs	NE	NE
Metals		
Arsenic	18	NE
Copper	64	NE
Zinc	270	NE
PCBs	ND	ND
Pesticides	NE	NE

SB-01B	3/24/09
Depth (ft bls)	1.0-1.5
VOCs	
1,2,4-Trimethylbenzene	6.8
n-Propylbenzene	5.6
Xylenes (total)	0.29
SVOCs	ND/NE

RXSB-5	4/25/17	4/26/17
Depth (ft bls)	0-2	5-6
VOCs	NE	NE
SVOCs	NE	ND
Metals		
Zinc	120	NE
PCBs	ND	ND
Pesticides		
4,4'-DDD	ND	0.0618
4,4'-DDE	NE	0.0766
4,4'-DDT	NE	0.513

SB-02A	3/24/09
Depth (ft bls)	0.5-1.0
VOCs	
n-Propylbenzene	8.1
sec-Butylbenzene	11
Xylenes (total)	0.63
SVOCs	ND/NE

SB-13A	3/26/09
Depth (ft bls)	11.5-12
VOCs	
1,2,4-Trimethylbenzene	7.1
Xylenes (total)	4.1
SVOCs	ND/NE

SB-15A	3/26/09
Depth (ft bls)	15-15.5
VOCs	
1,2,4-Trimethylbenzene	190
1,3,5-Trimethylbenzene	53
Ethylbenzene	26
Napthalene	85
n-Butylbenzene	18
n-Propylbenzene	28
sec-Butylbenzene	18
Toluene	24
Xylenes (total)	151
SVOCs	
Acenaphthene	32
Naphthalene	120

RXSB-2	4/24/17	4/25/17
Depth (ft bls)	0-2	7-9
VOCs	NE	NE
SVOCs	NE	ND
Metals	NE	NE
PCBs	NE	ND
Pesticides	NE	NE

RXSB-4	4/24/17	4/25/17	4/25/17
Depth (ft bls)	0 - 2	0-2 DUP	11 - 13
VOCs	NE	NE	NE
SVOCs			
Benzo(a)Anthracene	4	3.6	ND
Benzo(a)Pyrene	3.5	3.3	ND
Benzo(b)Fluoranthene	4.8	4.2	ND
Benzo(k)Fluoranthene	1.5	1.4	ND
Chrysene	3.5	3.2	ND
Dibenz(A,H)Anthracene	0.58	0.54	ND
Indeno(1,2,3-C,D)Pyrene	2.5	2.3	ND
Metals (mg/kg)			
Lead	64	NE	NE
Zinc	210	230	NE
PCBs	NE	NE	ND
Pesticides			
4,4'-DDD	NE	0.00457	ND

SB-20A	3/27/09
Depth (ft bls)	17-17.5
VOCs	ND/NE
SVOCs	
Benzo[a]anthracene	28
Benzo[a]pyrene	16
Benzo[b]fluoranthene	25
Benzo[k]fluoranthene	9.5
Chrysene	26
Dibenzo[a,h]anthracene	2.3
Indeno[1,2,3-cd]pyrene	6.4

MW-03	9/2014	9/2014
Depth (ft bls)	11-13	16-18
Total Volatiles	1.146	72.945
Naphthalene	0.24	24

MW-01	9/2014	9/2014
Depth (ft bls)	11-13	13-15
Total Volatiles	1.542	76.300
Naphthalene	0.46	18

SB-16A	3/26/09
Depth (ft bls)	15.5-16
VOCs	
1,2,4-Trimethylbenzene	790
1,3,5-Trimethylbenzene	180
Ethylbenzene	120
Napthalene	390
n-Butylbenzene	60
n-Propylbenzene	110
sec-Butylbenzene	68
Toluene	120
Xylenes (total)	730
SVOCs	
Acenaphthene	37
Naphthalene	120

RXSB-6	4/24/17	4/25/17
Depth (ft bls)	0-2	8-10
VOCs	NE	NE
SVOCs		
Benzo[a]anthracene	1.5	ND
Benzo[b]fluoranthene	1.4	ND
Chrysene	1.3	ND
Indeno[1,2,3-cd]pyrene	0.58	ND
Metals		
Copper	190	72
Lead	159	NE
Zinc	1200	440
PCBs	NE	ND
Pesticides	NE	ND

LEGEND

- SITE BOUNDARY
- SB-06 — SOIL BORING LOCATION FROM LOUIS BERGER AND ASSOC., P.C., 2009 INVESTIGATION
- MW-03 — MONITORING WELL LOCATION INSTALLED BY URS 2014
- RXSB-3 — APPROXIMATE SOIL BORING LOCATION FROM ROUX ASSOCIATES 2017 INVESTIGATION

Parameter	UUSCOs* mg/kg (ppm)	RRSCOs** mg/kg (ppm)
VOCs		
1,2,4-Trimethylbenzene	3.6	52
1,3,5-Trimethylbenzene	8.4	52
Ethylbenzene	1	41
Napthalene	12	100
n-Butylbenzene	12	100
n-Propylbenzene	3.9	100
sec-Butylbenzene	11	100
tert-Butylbenzene	5.9	100
Toluene	0.7	100
Xylenes (total)	0.26	100
SVOCs		
Acenaphthene	20	100
Benzo[a]anthracene	1	1
Benzo[a]pyrene	1	1
Benzo[b]fluoranthene	1	1
Benzo[k]fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo[a,h]anthracene	0.33	0.33
Fluoranthene	100	100
Indeno[1,2,3-cd]pyrene	0.5	0.5
Naphthalene	12	100
Metals		
Arsenic	13	16
Copper	50	270
Lead	63	400
Zinc	109	10000
Pesticides		
4,4'-DDD	0.0033	13
4,4'-DDE	0.0033	8.9
4,4'-DDT	0.0033	7.9

CONCENTRATIONS IN mg/kg

mg/kg – MILOGRAMS PER KILOGRAM
* – NYSDEC PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (UUSCOs)
** – PART 375 RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES (RRSCOs)
NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
VOCS – VOLATILE ORGANIC COMPOUNDS
SVOCS – SEMIVOLATILE ORGANIC COMPOUNDS
NE – NO EXCEEDANCES
ND – NO DETECTION
FT BLS – FEET BELOW LAND SURFACE

– RESULTS SHOWN IN BLACK TYPE EXCEED NYSDEC PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES

– RESULTS WITH GRAY BACKGROUND EXCEED NYSDEC PART 375 RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES

NOTE

1. ONLY TOTAL VOLATILES SUMMARY AND NAPHTHALENE DATA RESULTS PROVIDED IN URS REPORT.
2. LOCATION DESIGNATIONS BASED UPON RAP TABLES AND FIGURES.

SOURCE:

REMEDIAL ACTION PLAN, 2010, (LOUIS BERGER & ASSOC., P.C.)

GROUNDWATER MONITORING AND REMEDIATION REPORT FOR THE FOURTH QUARTER 2016 (URS, 2017).

PHASE II ENVIRONMENT SITE ASSESSMENT REPORT (ROUX ASSOC., 2017).

50' 0 50'

Title:

SOIL EXCEEDANCES

1221 SPOFFORD AVENUE
BRONX, NEW YORK

Prepared For:

THE PENINSULA JV, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: K.S.	Date: 15JUN17	PLATE 1
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: F.C.	Project: 2611.0002Y000	
File: 2611.0002Y103.01.DWG		

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APPENDICES

A. SECTION I----------REQUESTOR INFORMATION

B. SECTION II----------PROJECT DESCRIPTION

C. SECTION III---------PROPERTY ENVIRONMENTAL HISTORY

- C-1----------Remedial Action Plan
  (Louis Berger & Assoc., 2010)
  (Provided on CD in Bound Copy)
- C-2----------Groundwater Monitoring and Remediation Report for the Fourth Quarter 2016
  (URS, 2017)
  (Provided on CD in Bound Copy)
- C-3----------Phase I Environmental Site Assessment
  (Roux Associates, 2017)
  (Provided on CD in Bound Copy)
- C-4----------Phase II Environmental Site Assessment
  (Roux Associates, 2017)
  (Provided on CD in Bound Copy)

D. SECTION IV---------PROPERTY INFORMATION

- D-1 ----------Data Tables
  Source: Remedial Action Plan
  (Louis Berger & Assoc., 2010)
- D-2 ----------Data Tables
  Source: Groundwater Monitoring and Remediation Report for the Fourth Quarter 2016
  (URS, 2017)
- D-3 ----------Data Tables
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  (Roux Associates, Inc., 2017)

E. SECTION VI---------OWNER OPERATOR

F. SECTION VII--------VOLUNTEER STATEMENT

G. SECTION VIII-------PROPERTY ELIGIBILITY

H. SECTION IX---------CONTACT LIST

I. SECTION X----------LAND USE FACTORS

J. TANGIBLE PROPERTY CREDITS

APPENDIX A

Section I – Requestor Information

NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through May 25, 2017.

Selected Entity Name: THE PENINSULA JV, LLC
Selected Entity Status Information

Current Entity Name:	THE PENINSULA JV, LLC
DOS ID #:	4965098
Initial DOS Filing Date:	JUNE 17, 2016
County:	BRONX
Jurisdiction:	NEW YORK
Entity Type:	DOMESTIC LIMITED LIABILITY COMPANY
Current Entity Status:	ACTIVE

Selected Entity Address Information

DOS Process (Address to which DOS will mail process if accepted on behalf of the entity)

C T CORPORATION SYSTEM
111 8TH AVENUE
NEW YORK, NEW YORK, 10011

Registered Agent

C T CORPORATION SYSTEM
111 8TH AVENUE
NEW YORK, NEW YORK, 10011

This office does not require or maintain information regarding the names and addresses of members or managers of nonprofessional limited liability companies. Professional limited liability companies must include the name(s) and address

(es) of the original members, however this information is not recorded and only available by viewing the certificate.

***Stock Information**

# of Shares	Type of Stock	$ Value per Share
No Information Available		

*Stock information is applicable to domestic business corporations.

Name History

Filing Date	Name Type	Entity Name
JUN 17, 2016	Actual	THE PENINSULA JV, LLC

A **Fictitious** name must be used when the **Actual** name of a foreign entity is unavailable for use in New York State. The entity must use the fictitious name when conducting its activities or business in New York State.

NOTE: New York State does not issue organizational identification numbers.

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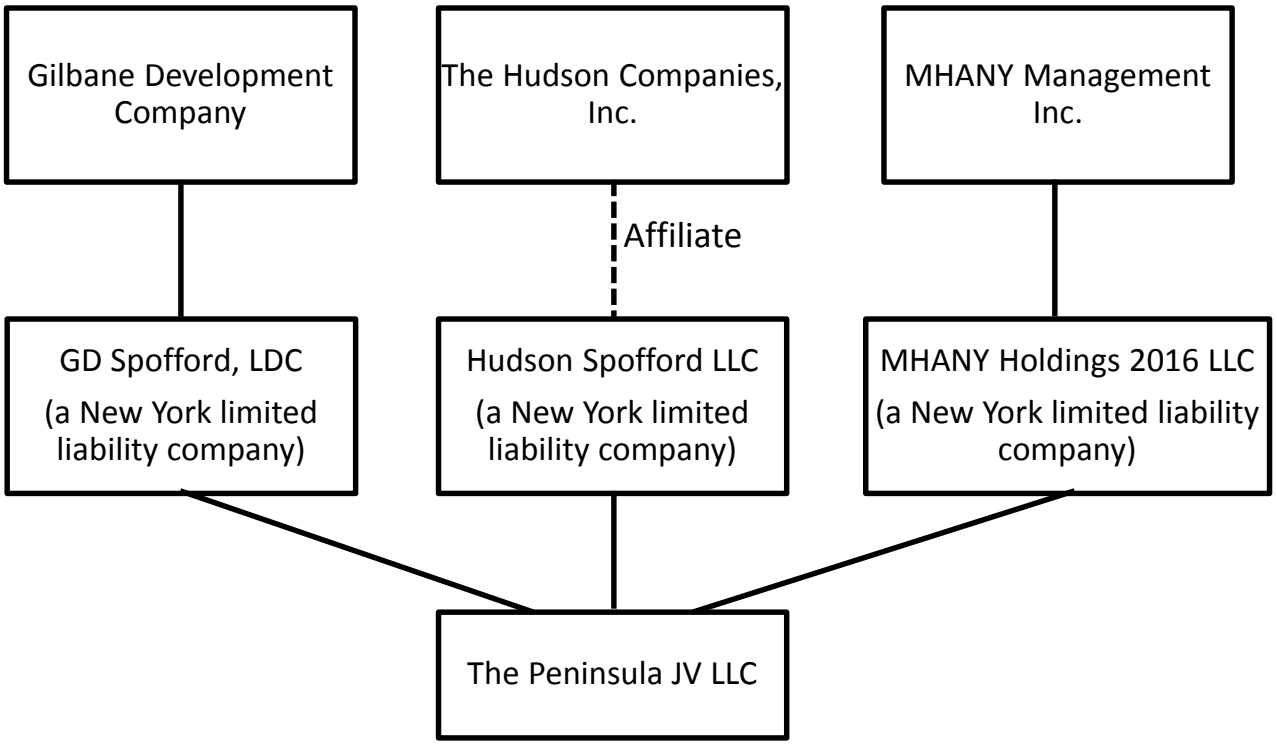
Chart of The Peninsula's Corporate Entities



APPENDIX B

Section II – Project Description

Appendix B – Project Description
The Peninsula
BCP Application - Section II, Question 4

The proposed re-development will include over 900,000 gross square feet (GSF) of development including approximately: 670,000 GSF of residential space, 50,000 GSF of light industrial space, 21,000 GSF of commercial space and 50,000 GSF for a community facility. The residential space will include the construction of 740 - 100% affordable rental units, which will be developed in three phases. Phase 1 and Phase 2 are to be constructed within Block 2738 Lot 35 (the Site), which is the subject property of this BCP Application. The third phase will be constructed on adjoining parcels to the west of the Site. The following narrative provides additional details concerning the development proposed for Phase 1 and Phase 2.

Phase 1 will include the construction of 203 affordable rental units; and Phase 2 will include the construction of 347 affordable rental units. 80% of the units will be at or below 60% area median income (AMI) and a maximum AMI of 90%. The light industrial space will be used for food and beverage production, retail, and media/TV production. Anticipated tenants include Il Forno Bakery, Bascom Catering, Soul Snack, Hunts Point Brewery, and Light NY Film Studio. The Commercial space will be used for retail, bank/financial services, and grocery. The anticipated tenants include Super Fi Grocery.

The Community space will be used for an artist workspace, higher education/job/skill training, early education/childcare and health care facility. Anticipated tenant includes Bronx Academy of Arts and Dance, The Point Community Development Corporation (CDC), an Administration for Children's Services (ACS) Head Start Facility, and Urban Health Plan. There will be a total of approximately 52,000 gross square feet of open space, which will include a public plaza area with connections to the existing street network and community, as well as, a private driveway through the site to provide life safety access to one of the residential buildings, and ACS Head Start Facility outdoor space. The plaza and network of actively landscaped spaces will provide a formal area for community gatherings, events, film screenings, concerts, hackathons, ceremonies, and other flexible programming events to support cultural and business incubation activity taking place within the community.

Appendix B – Project Description
The Peninsula
BCP Application - Section II, Question 4

Projected Schedule

Timeframe	Description
June 2017	Submit BCP Application and Remedial Investigation Work Plan (RIWP)
September 2017	ENB Notice of Application /RIWP
October 2017	End of BCP Application/RIWP Public Comment Period
October 2017	Sign Brownfield Cleanup Agreement
November 2017	Commence Remedial Investigation (RI)
January 2018	Submission of RI Report to NYSDEC
February 2018	End of RI Report Public Comment Period
March 2018	Submission of Remedial Action Work Plan (RAWP) to NYSDEC
May 2018	End of RAWP Public Comment Period
June 2018	NYSDEC Approval of RAWP
August 2018	Phase 1 Start of Construction/Commence Remedial Action
March 2019	Phase 1 Complete Remedial Action (Foundation Complete)
July 2019	Phase 2 Start of Construction
September 2019	Phase 2 Complete Remedial Action (Foundation Substantial Completion)
October 2019	Submission of Final Engineering Report
December 2019	Anticipated issuance of Certificate of Completion.

APPENDIX C

Section III – Property Environmental History

C-1 Remedial Action Plan
(Louis Berger & Assoc., PC, 2010)
(Provided on CD in Bound Copy)

C-2 Groundwater Monitoring and Remediation Report for the Fourth Quarter 2016
(URS, 2017)
(Provided on CD in Bound Copy)

C-3 Phase I Environmental Site Assessment
(Roux Associates, 2017)
(Provided on CD in Bound Copy)

C-4 Phase II Environmental Site Assessment
(Roux Associates, 2017)
(Provided on CD in Bound Copy)

APPENDIX C

Environmental History

Appendix C – Property's Environmental History
The Peninsula
BCP Application - Section III

BCP Section III – Property's Environmental History Question 1. Reports: an example of an Investigation Report is a Phase II Environmental Site Assessment report prepared in accordance with the latest American Society for Testing and Materials standard (ASTM E1903).

The following reports are provided in Appendix C on the enclosed CD:

- Appendix C1: Remedial Action Plan (Louis Berger & Assoc., PC, 2010)
- Appendix C2: Groundwater Monitoring and Remediation Report for the Fourth Quarter 2016 (URS, 2017);
- Appendix C3: Phase I Environmental Site Assessment (ESA) Report, (Roux Associates, July 11, 2017); and
- Appendix C4: Phase II Environmental Site Assessment (ESA) Report, (Roux Associates, July 11, 2017).

A summary of findings from each report, including the Site environmental history is provided below. A more detailed Site history and land use description can be found in Appendix D.

Remedial Action Plan (Louis Berger & Assoc. [LBA], PC, 2010)
(also includes 2009 Remedial Investigation by reference)
The 2010 LBA RAP, performed on behalf of New York City Department of Juvenile Justice, documents the investigation and proposed remedy for a #2 fuel oil release (NYSDEC Spill #0812579) that occurred at the Site on February 18, 2009. Approximately 2,000 gallons of #2 fuel oil was released to the subsurface from two 12,000 gallon USTs located in the southeast courtyard of the Site.

The LBA RAP also documents analytical data and findings remedial investigation that performed by LBA between March 23-27, 2009. During the LBA RI, Petroleum contamination was found in subsurface soils immediately surrounding the two USTs. In addition, separate phase petroleum product was observed atop groundwater perched above bedrock at soil borings installed in the boiler room adjacent to the north of the USTs and the exterior lot adjacent to the USTs.

The RI concluded the following:

- The RI indicated the presence of soil contamination including petroleum-related volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) at concentrations that exceed prior established standards, (and current standards for Restricted Residential Soil Cleanup Objectives, the reasonably anticipated Site use).
- The gravel sub-base of the concrete basement floor and the assumed gravel sub-base beneath the (presumed) UST vault likely provide a preferential pathway for the fuel oil release.
- Free product was present in basement the three borings SB-01B, SB-02, and SB-03 located closest to the vault.

- There were indications that a separate historical release occurred below the basement slab.
- Free product was observed in two exterior borings, SB-15 and SB-16, located approximately 3 feet east of the UST vault.
- Only localized pockets of perched water were observed and only beneath the basement; no groundwater was observed in the exterior borings.

As a result of the presence of separate phase petroleum product and extensive soil contamination, the 2010 LBA RAP proposed product recovery using dual-phase extraction and surfactant injection. Since contaminated soil would likely remain following implementation of the dual-phase extraction system, LBA concluded that engineering and institutional controls would be required to prevent unnecessary direct contact with the soil. This remedial approach was never implemented by LBA.

Groundwater Monitoring and Remediation Report for the Fourth Quarter 2016 (URS, 2017)
URS, on behalf of New York City Administration for Children's Services (NYCACS), implemented a monthly free product recovery program in September 2014. An estimated 11.75 gallons of product was recovered between September 2014 and October 2016. Product was initially recovered using a peristaltic pump and by June 2015, the product thickness in the monitoring wells had decreased substantially enough to switch to using petroleum absorbent socks in monitoring wells MW-02, MW-03, MW-04, and MW-05 for product recovery. However, due to the amount of petroleum product present at monitoring well MW-05 manual product recovery with a pump resumed in November 2015. From May through August 2016, no product was detected in this well but in October 2016, product was measured at a thickness of 0.05 feet.

Product was detected at monitoring well MW-06 in February 2016 and was detected monthly thereafter. A petroleum absorbent sock was installed in MW-06 in April 2016 and replaced monthly. During the October 2016 monitoring event product was not detected at MW-06.

Due to the presence of product in monitoring wells MW-02, MW-03, MW-04, and MW-05, groundwater has not been sampled. Groundwater sampling has occurred quarterly at MW-01, during the most recent sampling round in October 2016, where petroleum related compounds were detected at concentrations above the AWQSGVs.

Roux Associates Phase I ESA (2017)
Based on the information gathered during the Phase I ESA process, no Historical RECs (HRECs) or Controlled RECs (CRECs) were identified in connection with the Site. The following Recognized Environmental Conditions (RECs) were identified:

- Reported Spill Incidents: New York State Department of Conservation (NYSDEC) Spill Numbers 9610764, 9901578 and 0812579 were assigned the Site (specifically Lot 35). Spill #9610764 was assigned for a release of 40 gallons of #6 fuel oil due a faulty gauge; and was closed on the same day it was assigned. NYSDEC Spill #9901578 was assigned for discovery of contaminated soil during a subsurface investigation; and was closed on April 6, 2017. Spill #0812579 was assigned for the release of approximately 2,000 gallons of #2 fuel oil from the USTs located in the southeast courtyard of Lot 35. Several investigations have

been performed confirming subsurface soil and groundwater impacts. Also, there is the potential for soil vapor migration and intrusion into the Site buildings, due to the extent of the release. A product recovery program consisting of monthly product recovery and quarterly groundwater monitoring was performed until approximately October 2016. However, no additional information regarding remedial activities since that time have been provided. Therefore, it is assumed separate phase petroleum product and extensive soil contamination still exists at the Site. The impacts to soil, groundwater and, potentially soil vapor, beneath the Site is considered a REC in relation to the Site.

- Petroleum Use and Storage: Two 12,000 gallon #2 fuel oil USTs are registered as in service at the site under NYSDEC Petroleum Bulk Storage (PBS) #2-604085; and are located in the southeast courtyard of Lot 35. In addition, one 5,000-gallon diesel aboveground storage tank (AST), located in a vault adjacent to the 12,000 gallon USTs, was utilized for a back-up generator was closed-in-place. The location of two additional tanks (one 20,000 gallon #6 fuel oil UST; and one 20,000 gallon AST were, reportedly, closed-in-place. However, the actual locations of these two tanks are not known. Petroleum use and storage at the Site, including the unknown locations of two tanks, is considered a REC in relation to the Site.

- Staining: Staining observed on the concrete basement floor was presumably associated with oil spills and cleanup materials, and other universal wastes (such as batteries) or degreasers, electrical equipment, and lubricating oils). Staining on the concrete basement floor; and is considered a REC in relation to the Site given the presence of floor drains and other penetrations in the concrete.

- Historical Uses: The Site was occupied by a laundry facility, stone cutting yard and an asphalt paving contractor prior to being developed as a juvenile detention center. It is possible that potential undocumented releases from the operations may have impacted the subsurface at the Site. The threat of potential impacts to soil, groundwater and, soil vapor, beneath the Site is considered a REC in relation to the Site.

Phase II ESA (2017)

Based on the results of the Phase II ESA, Roux Associates' conclusions related to environmental conditions at the Site are as follows:

Soil Conditions

- Previous investigations indicated the presence of petroleum-related VOCs in soils at concentrations above (Unrestricted Use Soil Cleanup Levels (UUSCOs), Restricted Residential Soil Cleanup Objectives (RRSCOs) and/or Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) associated with releases from former tank systems and/or other Site uses. Site soils have not been remediated since completion of prior investigations.

- These soil exceedances above criteria represented reasonable Site use were confirmed by the Roux Phase II ESA. Several petroleum-related and historic fill-related SVOCs were detected in shallow soil (i.e., 0-2 ft bls) at concentrations above the UUSCOs, RRSCOs and/or PGWSCOs. Arsenic was detected in soil at a concentration above UUSCOs, RRSCOs and

PGWSCOs from one same. Copper, lead and zinc were detected in soil at concentrations above UUSCOs but below RRSCO and PGWSCOs.

Groundwater Conditions

- Approximately 12 gallons of free-phase product has been removed from existing monitoring wells by others between 2014 and 2016; however, free-phase product still remains in three onsite wells. During the Roux Associates Phase II ESA, measurable free-phase product was detected in existing groundwater monitoring wells MW-2, MW-3 and MW-5. Petroleum absorbent socks saturated with petroleum and groundwater were observed in existing wells, MW-2 through MW-5.

Soil Vapor Conditions

- Several petroleum-related VOCs and chlorinated VOCs were detected in soil gas samples throughout the Site. Specifically, three petroleum-related VOCs (benzene, cyclohexane, and propylene) were detected at elevated concentrations in the sub-slab soil gas sample.

Based on the above, the Site (soil, groundwater, and soil gas) appears to have been impacted by contaminants originating from prior Site operations including but not limited to releases from USTs and historic filling. The presence of these contaminants in soil above the contemplated soil cleanup objectives (i.e., restricted residential) along with the continued presence of separate phase petroleum product will complicate the proposed mixed-use residential redevelopment of the Site, and as a result, the NYSDEC BCP will be an appropriate program to complete investigation and remediation to ensure the redevelopment is protective of the public.

BCP Section III – Property's Environmental History Question 2. Sampling Data – Indicate known contaminants and the media which are known to have been affected. Laboratory reports should be referenced and copies included.
Summaries of the data from each of the investigations detailed above in the response to Question 2 are provided on the plates and figures attached to this BCP application:

- Plate 1 depicts soil detections above NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential SCOs (RRSCOs);

- Figure 4 depicts groundwater detections above the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) and;

- Figure 5 depicts soil vapor detections compared to the New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion in the State of New York decision matrices.

- Excerpted tables from the referenced reports are provided in Appendix D for your convenience.

Remedial Action Plan (Louis Berger & Assoc. [LBA], PC, 2010)
(also includes 2009 Remedial Investigation by reference)
Soil – Volatile Organic Compounds (VOCs) – Nine of the 27 soil samples collected as part of the NYSDEC Spill Remedial Investigation (RI) contained VOCs at a concentration above the UUSCOs

(Plate 1). The highest total petroleum hydrocarbon (TPH) concentrations were detected in soil borings SB-15A (15 to 15.5 feet below land surface [ft bls]) and SB-16A (15.5-16) located immediately east of the USTs with concentrations of 48,000 milligrams per kilogram (mg/kg) and 100,000 mg/kg respectively (refer to Appendix D1 for TPH results in data tables).

The highest VOC concentrations were detected at location SB-16A (15.5-16):

- 1,2,4–Trimethylbenzene – 790 mg/kg (compared to 3.6 mg/kg UUSCOs, and 52 RRSCOs);
- 1,3,5–Trimethylbenzene – 180 mg/kg (compared to 8.4 mg/kg UUSCOs, and 52 RRSCOs);
- Ethylbenzene – 120 mg/kg (compared to 1 mg/kg UUSCOs, and 41 RRSCOs);
- Napthalene – 390 mg/kg (compared to 12 mg/kg UUSCOs, and 100 RRSCOs);
- n-Butylbenzene – 60 mg/kg (compared to 12 mg/kg UUSCOs, and 100 RRSCOs);
- n-Propylbenzene – 110 mg/kg (compared to 3.9 mg/kg UUSCOs, and 100 RRSCOs);
- sec-butylbenzene – 68 mg/kg (compared to 11 mg/kg UUSCOs, and 100 RRSCOs);
- Toluene – 120 mg/kg (compared to 0.7 mg/kg UUSCOs, and 100 RRSCOs); and
- Xylenes (total) – 730 mg/kg (compared to 0.26 mg/kg UUSCOs, and 100 RRSCOs).

Soil – Semivolatile Organic Compounds (SVOCs) – SVOCs exceeded the UUSCOs and RRSCOs in soil samples SB-18B and SB-20, located immediately to the north and west of the USTs (Plate 1). The SVOC analyte concentrations at SB-18B (18.5-19) and SB-20 (17-17.5 ft bls) were relatively the same as reported respectively below:

- benzo[a]anthracene – 28 mg/kg and 28 mg/kg, respectively (compared to 1 mg/kg [UUSCOs, and RRSCOs]);
- benzo[a]pyrene – 14 mg/kg and 16 mg/kg (compared to 1 mg/kg [UUSCOs, and RRSCOs]);
- benzo[b]fluoranthene – 21 mg/kg and 25 mg/kg (compared to 1 mg/kg [UUSCOs, and RRSCOs]);
- benzo[k]fluoranthene – 8.9 mg/kg and 9.5 mg/kg (compared to 0.8 mg/kg UUSCOs, and 3.9 RRSCOs);
- chrysene – 23 mg/kg and 26 mg/kg (compared to 1 mg/kg UUSCOs, and 3.9 RRSCOs);
- dibenzo[a,h]anthracene – .2 mg/kg and 2.3 mg/kg (compared to 0.33 mg/kg [UUSCOs, and RRSCOs]);
- indeno[1,2,3-cd]pyrene – 6 mg/kg and 6.4 mg/kg (compared to 0.5 mg/kg [UUSCOs, and RRSCOs]); and

- naphthalene – 12 mg/kg at SB-18B (compared to 12 mg/kg UUSCOs).

GROUNDWATER
Temporary groundwater monitoring wells TWP01 through TWP04 were installed at basement boring locations SB-05B, SB-08, SB-10 and SB-12, respectively. TPH concentrations ranged from 2,700 micrograms per liter (µg/L) in TWP03 to 6,500 µg/L in TWP04. VOCs were detected at all four locations above the AWQSGVs (refer to Figure 4). The only SVOC detected at a concentration above the AWQSGVs was naphthalene at a concentration of 12 µg/L in sample TWP03.

Groundwater Monitoring and Remediation Report for the Fourth Quarter 2016 (URS, 2017)
URS implemented a monthly free product recovery program in September 2014. An estimated 11.75 gallons of product was recovered between September 2014 and October 2016. Product was initially recovered using a peristaltic pump and by June 2015, the product thickness in the monitoring wells had decreased substantially enough to switch to using petroleum absorbent socks in monitoring wells MW-02, MW-03, MW-04, and MW-05 for product recovery. However, due to the amount of petroleum product present at monitoring well MW-05 manual product recovery with a pump resumed in November 2015. From May through August 2016, no product was detected in this well but in October 2016, product was measured at a thickness of 0.05 feet.

Product was detected at monitoring well MW-06 in February 2016 and was detected monthly thereafter. A petroleum absorbent sock was installed in MW-06 in April 2016 and replaced monthly. During the October 2016 monitoring event, product was not detected at MW-06.

Due to the presence of product in monitoring wells MW-02, MW-03, MW-04, and MW-05, groundwater has not been sampled. Groundwater sampling has occurred quarterly at MW-01, during the most recent sampling round in October 2016 the following analytes were present above the AWQSGVs:

- Benzene 3.3 µg/L (compared to 1 µg/L AWQSGVs);
- Ethylbenzene 67.9 µg/L (compared to 5 µg/L AWQSGVs);
- Total Xylenes 79.7 µg/L (compared to 5 µg/L AWQSGVs);
- Isopropylbenzene 17.2 µg/L (compared to 5 µg/L AWQSGVs);
- n-Propylbenzene 30.1 µg/L (compared to 5 µg/L AWQSGVs);
- p-Isopropyltoluene 9.1 µg/L (compared to 5 µg/L AWQSGVs);
- 1,2,4–Trimethylbenzene 313 µg/L (compared to 5 µg/L AWQSGVs);
- 1,3,5- Trimethylbenzene 70 µg/L (compared to 5 µg/L AWQSGVs);
- n-Butylbenzene 12.2 µg/L (compared to 5 µg/L AWQSGVs); and
- Naphthalene 112 µg/L (compared to 10 µg/L AWQSGVs).

Monitoring Well MW-06 was also sampled for VOCs and SVOCs in 2016 when free-product was not present (January and October). VOCs were not detected above reporting limits during the sampling events and Naphthalene (36 µg/L) was detected above the AWQSGVs only during the January sampling event.

Phase II ESA (Roux Associates 2017)

The following section provides a quantitative analysis of data collected as part of Roux Associates 2017 Phase II ESA. The data from this investigation has been included in the Tables (Appendix D3), Figures, and Plates.

Soil – Volatile Organic Compounds (VOCs) - Table 2 (Appendix D3) presents a summary of the VOC analytical data for soil samples collected during the Phase II ESA. As shown, there were no VOC detections above NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs), and Restricted Residential Use SCOs (RRSCOs).

Soil – Semivolatile Organic Compounds (SVOCs) - Table 3 (Appendix D3) presents a summary of SVOC analytical data collected during the Phase II ESA. As shown, six SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and/or indeno(1,2,3-c,d)pyrene) were detected in three of the 19 samples, including the duplicate sample, at concentrations exceeding UUSCOs, and/or RRSCOs. Laboratory analytical data for the soil exceedances for SVOCs are summarized below.

- Benzo(a)anthracene was detected in samples RXSB-4 (0-2), and RXSB-6 (0-2) at a concentration of 4 mg/kg, and 1.5 mg/kg, respectively (compared to 1 mg/kg [UUSCOs, and RRSCOs]).

- Benzo(a)pyrene was detected in samples RXSB-4 (0-2) at a concentration of 3.500 mg/kg (compared to 1 mg/kg [UUSCOs and RRSCOs]).

- Benzo(b)fluoranthene was detected in samples RXSB-4 (0-2) at a concentration of 4.8 mg/kg (compared to 1 mg/kg [UUSCOs, and RRSCOs]). Benzo(b)fluoranthene was detected in sample RXSB-6 (0-2) at a concentration of 1.4 mg/kg (compared to 1 mg/kg [UUSCOs and RRSCOs]).

- Benzo(k)fluoranthene was detected in samples RXSB-4 (0-2) at a concentration of 1.5 mg/kg (compared to 0.8 mg/kg [UUSCOs].

- Chrysene was detected in samples RXSB-4 (0-2), and RXSB-6 (0-2) at a concentration of 3.5 mg/kg, and 1.3 mg/kg, respectively (compared to 1 mg/kg [UUSCOs]).

- Dibenzo(a,h)anthracene was detected in samples RXSB-4 (0-2) at a concentration of 0.580 mg/kg (compared to 0.330 mg/kg [UUSCOs]).

- Indeno(1,2,3-c,d)pyrene was detected in samples RXSB-4 (0-2), and RXSB-6 (0-2) at a concentration of 2.5 mg/kg, and 0.580 mg/kg, respectively (compared to 0.500 mg/kg [UUSCOs and RRSCOs]).

Soils – Metals – Table 4 (Appendix D3) presents a summary of metals analytical data collected during the Phase II ESA. As shown, four metals (arsenic, copper, lead and/or zinc) were detected in six of the 19 soil samples, including the duplicate sample, at concentrations exceeding UUSCOs, RRSCOs and/or PGWSCOs. Laboratory analytical data for soil exceedances for metals are summarized below.

- Arsenic was detecting in sample RXSB-3 (0-2) at a concentration of 18 mg/kg (compared to 13 mg/kg [UUSCOs] and 16 mg/kg [RRSCOs]).

- Copper was detected in samples RXSB-3 (0-2), RXSB-6 (0-2) and RXSB-6 (8-10) at a concentration of 64 mg/kg, 190 mg/kg and to 72 mg/kg, respectively (compared to 50 mg/kg [UUSCOs]).

- Lead was detected in samples RXSB-4 (0-2) and RXSB-6 (0-2) at a concentration of 64 mg/kg and 150 mg/kg, respectively (compared to 63 mg/kg [UUSCOs]).

- Zinc was detected in samples RXSB-3 (0-2), RXSB-4 (0-2), RXSB 5 (0-2), RXSB-6 (0-2) and RXSB-6 (8-10) at concentrations ranging from 120 mg/kg to 1200 mg/kg (compared to 109 mg/kg [UUSCOs]).

Soils – Polychlorinated biphenyls (PCBs) – Table 5 (Appendix D3) presents a summary of PCB analytical data collected during the Phase II ESA. As shown, PCBs were not detected at concentration exceeding UUSCOs, or RRSCOs during the Phase II ESA.

Soils – Pesticides – Table 6 (Appendix D3) presents a summary of pesticides analytical data collected during the Phase II ESA. As shown, three pesticides (DDD, DDE and/or DDT) were detected in three of the 19 samples, including the duplicate sample, at concentrations exceeding UUSCOs only. Laboratory analytical data for the soil exceedances for pesticides are summarized below.

- DDD was detected in samples RXSB-4 (0-2) Duplicate and RXSB-5 (5-6) at a concentration of 0.00457 mg/kg and 0.0616 mg/kg, respectively (compared to 0.0033 mg/kg [UUSCOs]).

- DDE was detected in sample RXSB-5 (5-6) at a concentration of 0.0766 mg/kg (compared to 0.0033 mg/kg [UUSCOs]).

- DDT was detected in samples RXSB-5 (5-6) at a concentration of 0.513 mg/kg (compared to 0.0033 mg/kg [UUSCOs]).

GROUNDWATER
Monitoring wells MW-1 through MW-4 were located around the tank pad containing the two existing 12,000 gallon USTs; MW-5 and MW-6 were located in the boiler room basement. Measurable free-phase product was detected in monitoring wells MW-2, MW-3 and MW-5. Petroleum absorbent socks saturated with petroleum and groundwater were observed in monitoring wells, MW-2 through MW-5.

SOIL VAPOR

Table 7 (Appendix D3) presents a summary of VOCs in soil vapor collected during the Phase II ESA. Several petroleum-related VOCs and chlorinated VOCs were detected in soil vapor samples throughout the Site. Specifically, three petroleum-related VOCs: benzene (377 µg/m^3), cyclohexane (20,200 µg/m^3) and propylene (181 µg/m^3) were detected at elevated concentrations in the sub-slab soil gas sample (RXSS-1). The source of the petroleum-related VOCs is likely attributed to the 2009 #2 fuel oil spill and/or other historic spills.

The source of the chlorinated VOCs is unknown; however, overall the detections are relatively low-level. One sample location (RXSV-2) contained concentrations of Trichloroethylene (TCE) (1.75 µg/m3) in soil vapor that exceeded the New York State Department of Health Center for Environmental Health Bureau of Environmental Exposure Investigation (NYSDOH CEH BEEI) Soil Vapor Intrusion Guidance of May 2017 (Guidance value 1+ µg/m3 = mitigate; assuming no attenuation and the same soil vapor concentration is applied for the indoor air concentration).

APPENDIX C-1

Remedial Action Plan
(Louis Berger & Assoc., PC, 2010)

(Provided on CD in Bound Copy)

APPENDIX C-2

Groundwater Monitoring and Remediation Report
for the Fourth Quarter 2016
(URS, 2017)

(Provided on CD in Bound Copy)

APPENDIX C-3

Phase I Environmental Site Assessment
(Roux Associates, 2017)

(Provided on CD in Bound Copy)

APPENDIX C-4

Phase II Environmental Site Assessment
(Roux Associates, 2017)

(Provided on CD in Bound Copy)

APPENDIX D

Section IV – Property Information

Appendix D – Section IV Property Information, Questions 9 and 10
The Peninsula
BCP Application - Section IV

9. List of Permits issued by the DEC or USEPA Relating to the Proposed Site:

The following table summarized findings from NYSDEC Petroleum Bulk Storage (PBS) Records for the Site, which is currently registered under PBS#2-604085.

Tank ID	*Tank Location*	*Tank Contents*	*Capacity (Gal)*	*Status*
001	*Underground*	*#6 Fuel Oil*	*20,000*	*Closed-Removed 2002*
002	*Underground*	*#2 Fuel Oil*	*12,000*	*In Service*
003	*Underground*	*#2 Fuel Oil*	*12,000*	*In Service*
Diesel	*Aboveground (in vault)*	*Diesel (generator)*	*5,000*	*Closed In Place 2002*
Heat	*Aboveground (in vault)*[1]	*#6 Fuel Oil*	*20,000*	*Closed In Place 2002*

Note: 1. Based upon review of the Site history, this tank was likely underground and not located in a vault. The notes included the table are reflective of NYSDEC PBS records.

10. Property Description and Environmental Assessment

A Site Location Map is provided as Figure 1. The area of the proposed BCP Site boundary, (herein referred to as "Site") is identified on the New York City Tax Map as Lot 35 of Block 2738 (Figure 2). A Site Plan is provided on Figure 3. The groundwater exceedances and soil vapor detections are provided on Figures 4 and 5 respectively. The proposed BCP Site boundary is shown in reference to the existing Site conditions and surrounding property owners on Figure 6. The land use within a ¼ mile of the Site vicinity is provided on Figure 7. A summary of the soil exceedances is provided on Plate 1.

Location

The Site is located at the southeast corner of the Spofford Avenue and Tiffany Street, in the Hunts Point section of Bronx, City of New York, and State of New York. The Site is bounded by Corpus Christi Monastery property to the north, Tiffany Street to the west, Spofford Avenue to the south, and the La Peninsula Community Organization, Inc (Head Start) to the East.

Site Features

The former juvenile detention center is located at the Site and contains a three to six-story building, asphalt paved parking, and recreation/playground spaces such as tennis and basketball courts. The former Spofford juvenile detention center building contains a partial basement, and is constructed on a concrete slab. The building is approximately 250,000 square feet, and is H-shaped with multiple wings. The former juvenile detention center is fenced entirely and secured with locking gates, but has been vacant since 2011.

Current Zoning and Land Use

The Site is not currently being used, it has been vacant since 2011. The current zoning for the Site is R6, which allows for residential uses in medium density areas. The nearest residential properties are located across Spofford Avenue, immediately south of the Site and within the Corpus Christi Monastery property to the north. Surrounding land uses include a monastery, parkland, multi-family housing, light commercial facilities, community services (La Peninsula Community Organization, Inc) and industrial/manufacturing facilities.

Past Use of the Site

Based upon the Environmental Data Resources (EDR) City Directory and historical Sanborn maps, the Site was developed circa 1896 solely for residential use until the 1940's. In addition to providing residential use, sometime around 1915 the western portion of the property was improved for use as a stone cutting yard. The Site was redeveloped and became the location of the former Spofford Juvenile Detention Facility (later renamed as Bridges Juvenile Center) and was in operation from its construction in 1956 through 2011. The facility was temporarily closed from 1998 to 1999.

The following environmental concerns are associated with the Site:

- Petroleum underground storage tanks (USTs) of unknown integrity;
- Documented soil and groundwater contamination from known releases;
- Soil and Groundwater Contamination within the Building of the former Spofford Juvenile Detention Center, and;
- Presence of historic fill of unknown origin or quality.

In 2009, there was a documented release of approximately 2,000 gallons of No. 2 fuel oil from UST supply lines located near the basement boiler room of the former Spofford Juvenile Detention Center. The New York State Department of Environmental Conservation (NYSDEC) was notified a release to subsurface soils had occurred and spill case No. 0812579 was assigned. Subsequent investigation identified the presence of petroleum contamination in soils immediately surrounding the two existing USTs located in the visitor parking lot and free phase petroleum product observed atop perched groundwater. In September 2014, a monthly product recovery and quarterly groundwater monitoring program was initiated. As part of the product recovery, free-phase petroleum product was removed from the monitoring wells using a peristaltic pump, placed into a drum, and disposed of off-site. An estimated 11.75 gallons of product was collected between September 2014 and October 2016. During the October 18, 2016 groundwater monitoring event, samples were only collected from monitoring wells MW-01 and MW-06 as free-phase petroleum product was present or petroleum absorbent socks were installed in the other four monitoring wells. Based on the groundwater analytical data collected as part of these sampling rounds, petroleum-related VOCs and naphthalene are present in groundwater exceeding New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards and Guidance Values (AWQSGVs).

In addition to contamination from the release from the UST systems, there is the potential for other sources and types of contamination as evident by extensive staining that was observed in the basement of the former Spofford Juvenile Detention Center, which could be indicative of potential releases from improperly stored universal waste batteries, storage of oil spill cleanup materials in the basement and parking lot, and significant quantities of improperly stored universal waste fluorescent bulbs in the basement area.

Based on information indicated by previous investigations, fill materials were noted in most soil borings completed at the Site. Polycyclic aromatic hydrocarbons (PAHs), including benzo(a)pyrene (a common indicator of historic fill), were detected in multiple soil samples above NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs).

Site Geology & Hydrogeology

The topography in the area surrounding the Site slopes steeply to the south and west towards the East River. The land surface grade of the former juvenile detention center is located approximately 50 feet above mean sea level and is generally flat, and it appears that the existing hill in this portion of the Site was regraded for leveling of the former juvenile detention center portion of the Site.

Based on soil borings logs, a one foot to five-foot fill layer is present consisting of fine to medium sand with varying amounts of coarse sand, silt, gravel, asphalt, brick, and concrete fragments. The fill layer was underlain by a native glacial silty fine to medium sand stratum with varying amounts of gravel. The glacial stratum was underlain by weathered bedrock, ranging in thickness between one to six feet. Bedrock was encountered beneath the weathered bedrock at depths ranging from 8.5 ft to 19 ft below land surface (ft bls).

Groundwater was not encountered during the 2017 Roux Associates, Inc. Phase II ESA; however, during previous Site environmental investigations, perched groundwater was encountered on top of bedrock at depths ranging from approximately 13 ft to 19 ft bls. Regional groundwater flow likely mimics land surface and bedrock surface topography and is inferred to flow to the southwest. According to prior environmental investigations completed at the Site, localized groundwater flow appears to be in a northerly direction. The discrepancy in regional and localized groundwater flow direction may be attributed to the construction of the existing buildings on site (e.g., boiler room cellar of the former juvenile detention center), which may have included the excavation and regrading of the bedrock surface.

Environmental Assessment

Based upon the previous investigation, the primary contaminants of concern for the Site in the vicinity of the 2009 #2 fuel oil spill include: Volatile Organic Compounds (VOCs) – 1,2,4-Trimethylbenzene, ethylbenzene, xylenes, naphthalene, and Polycyclic Aromatic Hydrocarbons (PAHs) in soil (Plate 1) and groundwater (Figure 4); and VOCs in soil vapor (Figure 5).

Soil - VOCs are present at concentrations above NYSDEC UUSCOs and RRSCOs in both shallow soils (0-2 ft bls) and deeper soils (~15 ft bls) within the vicinity of the UST Pad (associated with the

No. 2 fuel oil release from UST supply lines). VOCs in exceedance of the UUSCOs and RRSCOs include the following (all maximum concentrations were detected in 2009):

- 1,2,4-trimethylbenzene - maximum concentration of 790 mg/kg in SB-16A(15.5-15) (compared to 3.6 mg/kg UUSCOs, and 52 RRSCOs);
- 1,3,5-trimethylbenzene - maximum concentration of 180 mg/kg in SB-16A(15.5-15);
- ethylbenzene - maximum concentration of 120 mg/kg in SB-16A(15.5-15) (compared to 8.4 mg/kg UUSCOs, and 52 RRSCOs);
- Naphthalene – 390 mg/kg in SB-16A(15.5-15) (compared to 12 mg/kg UUSCOs, and 100 RRSCOs);
- n-propylbenzene - maximum concentration of 110 mg/kg in SB-16A(15.5-15) (compared to 3.9 mg/kg UUSCOs, and 100 RRSCOs);
- toluene - maximum concentration of 120 mg/kg in SB-16A(15.5-15) (compared to 0.7 mg/kg UUSCOs, and 100 RRSCOs); and
- total xylenes - maximum concentration of 730 mg/kg in SB-16A(15.5-15) (compared to 0.26 mg/kg UUSCOs, and 100 RRSCOs).

SVOCs are at concentrations above NYSDEC UUSCOs and RRSCOs in both shallow soils (0-2 ft bls) and deeper soils (~15 ft bls) within the vicinity of the UST Pad (associated with the No. 2 fuel oil release from UST supply lines) and within the southeastern portion of the Site. SVOCs in exceedance of the UUSCOs and RRSCOs include the following (all maximum concentrations were detected in 2009):

- benzo[a]anthracene - maximum concentration of 28 mg/kg in both SB-18B(18.5-19) and SB-20A/17-17.5) (compared to 1 mg/kg [UUSCOs, and RRSCOs]);
- benzo[a]pyrene - maximum of 16 mg/kg in SB-20A(17-17.5) (compared to 1 mg/kg [UUSCOs, and RRSCOs]);
- benzo[b]fluoranthene - maximum of 25 mg/kg in SB-20A(17-17.5) (compared to 1 mg/kg [UUSCOs, and RRSCOs]);
- benzo[k]fluoranthene - maximum of 9.5 mg/kg in SB-20A(17-17.5) (compared to 0.8 mg/kg UUSCOs, and 3.9 RRSCOs);
- chrysene - maximum of 26 mg/kg in SB-20A(17-17.5) (compared to 1 mg/kg UUSCOs, and 3.9 RRSCOs);

- dibenzo[a,h]anthracene - maximum of 2.3 mg/kg in SB-20A(17-17.5) (compared to 0.33 mg/kg [UUSCOs, and RRSCOs]);
- indeno[1,2,3-c,d]pyrene - maximum of 6.4 mg/kg in SB-20A(17-17.5) (compared to 0.5 mg/kg [UUSCOs, and RRSCOs]); and
- naphthalene - maximum of 120 mg/kg in SB-15A/15-15.5 and SB-16A(15.5-16).

Metals are present in soils above the UUSCOs within the northeast yard and the southeast parking lot. Arsenic is present in shallow soils (0-2 ft bls) within the northeast yard above the RRSCOs at a concentration of 18 mg/kg (RXSB-3). The highest concentrations of copper (190 mg/kg), lead (159 mg/kg) and zinc (1,200 mg/kg) are present in shallow soils (0-2 ft bls) beneath the southeast parking lot (RXSB-6).

Pesticides are present in soils above the UUSCOs northeast the UST Pad at location RXSB-4 and within the northeast yard at location RXSB-5 (4,4'-DDD, 4,4'-DDE and 4,4-DDT). The highest concentrations are present at location RXSB-5:

- 4,4' – DDD maximum of 0.0618 mg/kg in RXSB-5 (5-6);
- 4,4' – DDE maximum of 0.766 mg/kg in RXSB-5 (5-6); and
- 4,4' – DDT maximum of 0.513 mg/kg in RXSB-5 (5-6).

Groundwater

Since 2014 when the groundwater monitoring wells were installed, free-phase petroleum product has been present on groundwater beneath the building basement (MW-2) and within the parking lot in monitoring wells located north (MW-4) and south (MW-5) of the fuel oil UST pad. During the 2016 fourth quarter groundwater sampling event, only monitoring wells MW-1 and MW-6 did not contain free-phase petroleum product. Nine VOCs and one SVOC exceeded NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). Naphthalene has been the only SVOC to exceed the NYSDEC AWQSGVs in well MW-01 with concentrations ranging from 23 ppb to 170 ppb. The highest total VOC concentration detected to date in MW-06 was 20 ppb. No VOCs were detected in MW-06 during the most recent sampling event in October 2016, despite the recent

detections of free-phase petroleum product at this well. Naphthalene, an SVOC, was present above NYSDEC AWQSGVs.

Approximately 11 gallons of free-phase product has been recovered from existing monitoring wells by others between 2014 and 2016.

Soil Vapor

Several petroleum-related VOCs and chlorinated VOCs were detected in soil gas samples throughout the Site. Specifically, three petroleum-related VOCs (benzene, cyclohexane, and propylene) were detected at elevated concentrations in the sub-slab soil gas sample. The source of the petroleum-related VOCs is likely attributed to the 2009 #2 fuel oil spill and/or other historic spills. The source of the chlorinated VOCs is unknown; however, the detections are low-level. One sample location (RXSV-2) contained concentrations of Trichloroethylene (TCE) (1.75 $\mu g/m^3$) in soil vapor that exceeded the New York State Department of Health Center for Environmental Health Bureau of Environmental Exposure Investigation (NYSDOH CEH BEEI) Soil Vapor Intrusion Guidance of May 2017 (Guidance value 1+ $\mu g/m^3$ = mitigate; assuming no attenuation and the same soil vapor concentration is applied for the indoor air concentration).

APPENDIX D-1

Data Tables
Source: Remedial Action Plan
(Louis Berger & Assoc., PC, 2010)

Table 1. Environmental Boring Data
Remedial Investigation of NYSDEC Spill Case #0812579 for Bridges Juvenile Justice Center
1221 Spofford Avenue, Bronx, New York

Boring No.	Sample ID	High PID (ppm)	Sample Interval (ftbgs)	Total VOCs (mg/kg)	Total SVOCs (mg/kg)	Metals Exceed (Yes/No)[1]	Depth to Water (ftbgs)	Total Depth (ftbgs)	Other Comments
SB01A	SB01A	315	0.5 - 1.0	8.72	20.9	N/A	N/A	2.0	
SB01B	SB01B	429	1.0 - 1.5	46.36	24.2	N/A	3	3.5	
SB02	SB02A	407	0.5 - 1.0	52.03	7.84	N/A	3	4.5	
	SB02B		1.0 - 1.5	0.6631	1.46	N/A			
SB03	SB03A	260	0.5 -1.0	10.68	9	N/A	3	3.0	
SB04									No Recoverable sample
SB05	SB05A	150	0.5 - 1.0	0.016	ND	N/A	N/A	2.0	
SB06	SB06A	431	0.5 - 1.0	1.45	2.42	N/A	1.6	2.0	
SB07	SB07A	5.2	0.5 - 1.0	0.002	ND	N/A	2	2.0	
SB08	SB08A	355	0.5 - 1.0	3.39	0.97	N/A	N/A	2.0	
SB09	SB09A	87.8	0.5 - 1.0	1.94	4.82	N/A	N/A	2.5	
	SB09B		1.5 - 2.0	0.0311	0.43	N/A			
SB10	SB10A	196	0.5 - 1.5	0.1318	1.93	N/A	N/A	2.5	
SB11	SB11A	375	0.5 - 1.0	0.2916	1.77	N/A	N/A	2.0	
SB12	SB12A	445	0.5 - 1.0	2.1	0.09	N/A	1.5	3.0	
SB13	SB13A	301	11.5 - 12	28.1	2.48	N/A	N/A	17.0	
	SB13B		16.5 - 17	0.7691	3.16	N/A			
SB14	SB14A	0.2	11.5 - 12	ND	ND	N/A	N/A	12.0	
SB15	SB15A	264	15 - 15.5	771	286	N/A	N/A	18.0	
	SB15B		17.5 - 18	0.3665	ND	N/A			
SB16	SB16A	368	15.5 - 16	3406	306	N/A	N/A	19.0	
	SB16B		18.5 - 19	0.0109	ND	N/A			
SB17	SB17A	<1	9 - 9.5	ND	ND	N/A	N/A	10.0	
SB18	SB18A	100	17 - 17.5	22.25	0.83	N/A	N/A	19.0	
	SB18B		18.5 - 19	64.4	358	N/A			
SB19	SB19A	28	19 - 19.5	2.106	2.64	N/A	N/A	19.5	
SB20	SB20A	3.1	17 - 17.5	0.0038	288.20	N/A	N/A	17.5	
SB21	SB21A	<1	17 - 17.5	ND	ND	N/A	N/A	17.5	

Notes:
1. Metal(s) exceeds TAGM 4046 or Eastern USA Soil (EUS) Background (BG) guidance values.
All soil samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds, Semi-Volatile Organic Compounds (SVOCs) Pesticides, PCBs, Tareget Analyte List (TAL) Metals and Total Petroleum Hydrocarbons (TPH).
All groundwater samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds, Semi-Volatile Organic Compounds (SVOCs) Pesticides, PCBs and Target Analyte List (TAL) Metals.
N/A = Not applicable. PID was not used door to poor weather.
ND = Not Detected
NE = Not Encountered
ftbgs = feet below ground surface

Table 2. Summary of Target Compound List Volatile Organic Compounds Detected in Soil
Remedial Investigation of NYSDEC Spill Case #0812579 for Bridges Juvenile Justice Center
1221 Spofford Avenue, Bronx, New York

TCL VOC	Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs)	STARS TCLP Alternative Guidance Values	TAGM #4046 Recommended Soil Clean-up Objective	Sample ID, Date Collected and Depth													
				SB01A	SB01B	SB02A	SB02B	SB03A	SB05A	SB06A	SB07A	SB08A	SB09A	SB09B	SB10A	SB11A	SB12A
				3/24/2009	3/24/2009	3/24/2009	3/24/2009	3/24/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009
				0.5 - 1.0	1.0 - 1.5	0.5 - 1.0	1.0 - 1.5	0.5 -1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	1.5 - 2.0	0.5 - 1.5	0.5 - 1.0	0.5 - 1.0
1,2,4-Trimethylbenzene	3.6	NGV	10	1.1	6.8	2.8	0.081	0.94	ND	ND	ND	1.2	0.59	0.0082	0.049	0.0066	ND
1,3,5-Trimethylbenzene	8.4	NGV	3.3	0.52	**3.5**	0.73	0.021	0.45	ND	ND	ND	0.48	0.17	0.0026	ND	ND	ND
4-Isopropyltoluene	NS	NGV	10	0.7	5	1.1	0.011	0.78	0.01	ND	ND	0.26	0.14	0.0023	0.0098	0.029	0.25
Ethylbenzene	1	NGV	5.5	ND	0.18	0.98	0.0091	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NGV	2.3	0.43	**2.6**	**3.7**	0.022	0.61	ND	ND	ND	ND	ND	ND	0.0072	0.017	0.14
Naphthalene	NS	NGV	13	2.2	5.4	9.1	0.3	2.9	ND	0.75	0.002	0.64	0.65	0.01	0.023	0.072	0.41
N-Butylbenzene	NS	NGV	10	1.6	9.1	**13**	0.067	2.1	ND	ND	ND	0.21	0.19	0.0043	0.015	0.064	0.57
n-Propylbenzene	3.9	NGV	3.7	0.97	**5.6**	**8.1**	0.048	1.2	ND	ND	ND	0.23	ND	ND	0.012	0.026	0.26
o-Xylene	NS	NGV	1.2	ND	ND	0.24	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Xylene	NS	NGV	1.2	ND	0.29	0.39	0.017	ND	ND	ND	ND	ND	ND	ND	0.0014	ND	ND
sec-Butylbenene	11	NGV	10	1.2	7.6	**11**	0.05	1.7	0.006	0.7	ND	0.37	0.2	0.0037	0.013	0.077	0.47
tert-Butylbenzene	5.9	NGV	10	ND	ND	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	NGV	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Total)	0.26	NGV	1.2	ND	0.29	0.63	0.027	ND	ND	ND	ND	ND	ND	ND	0.0014	ND	ND

Notes:
All concentrations are reported in parts per million (ppm or mg/kg)
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
J = Estimated concentration
TAGM RSCOs = NYSDEC Technical and Administrative Guidance Memorandum (TAGM #4046) Recommended Soil Cleanup Objectives (RSCOs) (January 24, 1994)
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006)
STARS TCLP Alternative Guidance Values are the Spill Technology and Remediation Series (STARS) Toxicity Characteristic Leaching Procedure (TCLP) Alternative Guidance Values, NYSDEC STARS Memorandum 1 - Petroleum Contaminated Soil Guidance Policy (August 1992)
BOLD = Concentration exceeds NYSDEC TAGM RSCOs
Shading = Concentration exceeds Unrestricted Use (Track 1) Soil Cleanup Objectives
Underline: = Concentration exceeds STARS TCLP Alternative Guidance Values
NGV = No Guidance Value

Table 2. Summary of Target Compound List Volatile Organic Compounds Detected in Soil
Remedial Investigation of NYSDEC Spill Case #0812579 for Bridges Juvenile Justice Center
1221 Spofford Avenue, Bronx, New York

TCL VOC	Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs)	STARS TCLP Alternative Guidance Values	TAGM #4046 Recommended Soil Clean-up Objective	Sample ID, Date Collected and Depth												
				SB13A	SB13B	SB14A	SB15A	SB15B	SB16A	SB16B	SB17A	SB18A	SB18B	SB19A	SB20A	SB21A
				3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/27/2009	3/27/2009	3/27/2009	3/27/2009	3/27/2009
				11.5 - 12	16.5 - 17	11.5 - 12	15 - 15.5	17.5 - 18	15.5 - 16	18.5 - 19	9 - 9.5	17 - 17.5	18.5 - 19	19 - 19.5	17 - 17.5	17 - 17.5
1,2,4-Trimethylbenzene	3.6	NGV	10	7.1	0.16	ND	**190**	0.084	**790**	0.0016	ND	5.5	**17**	0.48	0.0016	ND
1,3,5-Trimethylbenzene	8.4	NGV	3.3	**3.7**	0.095	ND	**53**	0.03	**180**	ND	ND	1.3	**4.4**	0.22	ND	ND
4-Isopropyltoluene	NS	NGV	10	1	0.017	ND	**17**	0.0066	**62**	ND	ND	0.37	2	0.038	ND	ND
Ethylbenzene	1	NGV	5.5	0.25	0.011	ND	**26**	0.0093	**120**	ND	ND	0.79	2.1	0.036	ND	ND
Isopropylbenzene	NS	NGV	2.3	0.42	0.0085	ND	**10**	0.0052	**46**	ND	ND	0.27	1.1	0.015	ND	ND
Naphthalene	NS	NGV	13	4.6	0.067	ND	**85**	0.049	**390**	0.0093	ND	2.2	8.7	0.14	0.0022	ND
N-Butylbenzene	NS	NGV	10	0.97	0.011	ND	**18**	0.0063	**60**	ND	ND	0.36	3.5	ND	ND	ND
n-Propylbenzene	3.9	NGV	3.7	0.86	0.014	ND	**28**	0.013	**110**	ND	ND	0.69	2.9	0.03	ND	ND
o-Xylene	NS	NGV	1.2	**2.2**	0.089	ND	**51**	0.025	**240**	ND	ND	**1.5**	**3.1**	0.23	ND	ND
p-Xylene	NS	NGV	1.2	**1.9**	0.093	ND	**100**	0.049	**490**	ND	ND	**3.3**	**6.3**	0.31	ND	ND
sec-Butylbenene	11	NGV	10	1	0.016	ND	**18**	0.012	**68**	ND	ND	0.37	2.8	0.046	ND	ND
tert-Butylbenzene	5.9	NGV	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	NGV	1.5	ND	0.0056	ND	**24**	0.0031	**120**	ND	ND	0.8	1.1	0.021	ND	ND
Xylene (Total)	0.26	NGV	1.2	**4.1**	0.182	ND	**151**	0.074	**730**	ND	ND	**4.8**	**9.4**	0.54	ND	ND

Notes:
All concentrations are reported in parts per million (ppm or mg/kg)
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
J = Estimated concentration
TAGM RSCOs = NYSDEC Technical and Administrative Guidance Memorandum (TAGM #4046) Recommended Soil Cleanup Objectives (RSCOs) (January 24, 1994)
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006)
STARS TCLP Alternative Guidance Values are the Spill Technology and Remediation Series (STARS) Toxicity Characteristic Leaching Procedure (TCLP) Alternative Guidance Values, NYSDEC STARS Memorandum 1 - Petroleum Contaminated Soil Guidance Policy (August 1992)
BOLD = Concentration exceeds NYSDEC TAGM RSCOs
Shading = Concentration exceeds Unrestricted Use (Track 1) Soil Cleanup Objectives
Underline: = Concentration exceeds STARS TCLP Alternative Guidance Values
NGV = No Guidance Value

Table 3. Summary of Target Compound List Semi-Volatile Organic Compounds Detected in Soil
Remedial Investigation of NYSDEC Spill Case #0812579 for Bridges Juvenile Justice Center
1221 Spofford Avenue, Bronx, New York

TCL SVOC	Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs)	STARS TCLP Alternative Guidance Values	TAGM #4046 Recommended Soil Clean-up Objective	Sample ID, Date Collected and Depth													
				SB01A	SB01B	SB02A	SB02B	SB03A	SB05A	SB06A	SB07A	SB08A	SB09A	SB09B	SB10A	SB11A	SB12A
				3/24/2009	3/24/2009	3/24/2009	3/24/2009	3/24/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009
				0.5 - 1.0	1.0 - 1.5	0.5 - 1.0	1.0 - 1.5	0.5 -1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	1.5 - 2.0	0.5 - 1.5	0.5 - 1.0	0.5 - 1.0
Acenaphthene	20	NGV	50	2.6	3.1	0.93	0.2	1.2	ND	0.37	ND	0.14	0.78	0.079	0.27	0.26	ND
Anthracene	100	NGV	50	ND	ND	ND	ND	ND	ND	0.18	ND	ND	0.21	ND	0.13	0.14	ND
Benzo(a)anthracene	1	NGV	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1	NGV	0.061	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	NGV	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	100	NGV	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.8	NGV	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1	NGV	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.33	NGV	0.014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	NGV	50	ND	ND	ND	ND	ND	ND	0.085	ND	ND	0.086	ND	ND	ND	ND
Fluorene	30	NGV	50	3.2	3.7	1	0.23	1.4	ND	0.42	ND	0.17	0.68	0.084	0.31	0.29	ND
Indeno(1,2,3-cd)Pyrene	0.5	NGV	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	NGV	13	6.4	6.9	1.7	0.28	2.9	ND	0.17	ND	0.16	0.52	ND	0.45	0.36	ND
Phenanthrene	100	NGV	50	7.6	9.1	3.6	0.75	3.5	ND	0.98	ND	0.41	2.2	0.27	0.66	0.61	0.088
Pyrene	100	NGV	50	1.1	1.4	0.61	ND	ND	ND	0.21	ND	0.089	0.34	ND	0.11	0.11	ND

Notes:
All concentrations are reported in parts per million (ppm or mg/kg)
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
J = Estimated concentration
TAGM RSCOs = NYSDEC Technical and Administrative Guidance Memorandum (TAGM #4046) Recommended Soil Cleanup Objectives (RSCOs) (January 24, 1994)
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006)
STARS TCLP Alternative Guidance Values are the Spill Technology and Remediation Series (STARS) Toxicity Characteristic Leaching Procedure (TCLP) Alternative Guidance Values, NYSDEC

BOLD = Concentration exceeds NYSDEC TAGM RSCOs
Shading = Concentration exceeds Unrestricted Use (Track 1) Soil Cleanup Objectives
Underline: = Concentration exceeds STARS TCLP Alternative Guidance Values
NGV = No Guidance Value

Table 3. Summary of Target Compound List Semi-Volatile Organic Compounds Detected in Soil
Remedial Investigation of NYSDEC Spill Case #0812579 for Bridges Juvenile Justice Center
1221 Spofford Avenue, Bronx, New York

TCL SVOC	Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs)	STARS TCLP Alternative Guidance Values	TAGM #4046 Recommended Soil Clean-up Objective	Sample ID, Date Collected and Depth												
				SB13A	SB13B	SB14A	SB15A	SB15B	SB16A	SB16B	SB17A	SB18A	SB18B	SB19A	SB20A	SB21A
				3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/27/2009	3/27/2009	3/27/2009	3/27/2009	3/27/2009
				11.5 - 12	16.5 - 17	11.5 - 12	15 - 15.5	17.5 - 18	15.5 - 16	18.5 - 19	9 - 9.5	17 - 17.5	18.5 - 19	19 - 19.5	17 - 17.5	17 - 17.5
Acenaphthene	20	NGV	50	0.35	ND	ND	32	ND	37	ND	ND	ND	5.7	0.15	ND	ND
Anthracene	100	NGV	50	0.12	ND	ND	ND	ND	11	ND	ND	ND	20	0.084	8.3	ND
Benzo(a)anthracene	1	NGV	0.224	ND	**0.39**	ND	ND	ND	ND	ND	ND	ND	**28**	0.14	**28**	ND
Benzo(a)pyrene	1	NGV	0.061	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14**	0.13	**16**	ND
Benzo(b)fluoranthene	1	NGV	1.1	ND	0.45	ND	ND	ND	ND	ND	ND	0.092	**21**	0.21	**25**	ND
Benzo(g,h,i)perylene	100	NGV	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	0.13	6.7	ND
Benzo(k)fluoranthene	0.8	NGV	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	**8.9**	ND	**9.5**	ND
Chrysene	1	NGV	0.4	ND	ND	ND	ND	ND	ND	ND	ND	0.088	**23**	0.27	**26**	ND
Dibenz(a,h)anthracene	0.33	NGV	0.014	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.2**	ND	**2.3**	ND
Fluoranthene	100	NGV	50	ND	0.79	ND	ND	ND	ND	ND	ND	0.095	**78**	0.3	**70**	ND
Fluorene	30	NGV	50	0.29	ND	ND	27	ND	28	ND	ND	ND	6.3	0.23	ND	ND
Indeno(1,2,3-cd)Pyrene	0.5	NGV	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6**	0.11	**6.4**	ND
Naphthalene	12	NGV	13	0.51	ND	ND	**120**	ND	**120**	ND	ND	0.2	12	0.2	ND	ND
Phenanthrene	100	NGV	50	1	0.85	ND	**92**	ND	**95**	ND	ND	0.21	**66**	0.36	29	ND
Pyrene	100	NGV	50	0.21	0.68	ND	15	ND	15	ND	ND	0.14	**61**	0.33	**61**	ND

Notes:
All concentrations are reported in parts per million (ppm or mg/kg)
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
J = Estimated concentration
TAGM RSCOs = NYSDEC Technical and Administrative Guidance Memorandum (TAGM #4046) Recommended Soil Cleanup Objectives (RSCOs) (January 24, 1994)
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006)
STARS TCLP Alternative Guidance Values are the Spill Technology and Remediation Series (STARS) Toxicity Characteristic Leaching Procedure (TCLP) Alternative Guidance Values, NYSDEC

BOLD = Concentration exceeds NYSDEC TAGM RSCOs
Shading = Concentration exceeds Unrestricted Use (Track 1) Soil Cleanup Objectives
Underline: = Concentration exceeds STARS TCLP Alternative Guidance Values
NGV = No Guidance Value

Table 4. Summary of Total Petroleum Hydrocarbon Detected in Soil
Remedial Investigation of NYSDEC Spill Case #0812579 for Bridges Juvenile Justice Center
1221 Spofford Avenue, Bronx, New York

Target Analyte List Metal	RCRA Hazardous Waste Levels (mg/L)	20 Times RCRA Hazardous Waste Levels	Eastern USA Soil Background	TAGM #4046 Recommended Soil Clean-up Objective	Sample ID, Date Collected and Depth													
					SB01A	SB01B	SB02A	SB02B	SB03A	SB05A	SB06A	SB07A	SB08A	SB09A	SB09B	SB10A	SB11A	SB12A
					3/24/2009	3/24/2009	3/24/2009	3/24/2009	3/24/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009	3/25/2009
					0.5 - 1.0	1.0 - 1.5	0.5 - 1.0	1.0 - 1.5	0.5 -1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	1.5 - 2.0	0.5 - 1.5	0.5 - 1.0	0.5 - 1.0
Total Petroleum Hydrocarbons	NS	NS	NS	NS	5600	9500	2200	330	4700	3400	1700	86	580	3600	400	1400	970	560

Notes:
All concentrations are in parts per million (ppm or mg/kg)
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SB = Site Background Concentration
TAGM RSCOs = NYSDEC Technical and Administrative Guidance Memorandum (TAGM #4046) Recommended Soil Cleanup Objectives (RSCOs) (January 24, 1994)
BOLD = Concentration exceeds NYSDEC TAGM RSCOs
Shading = Detected concentration exceeds Eastern Soil Background Concentrations as per TAGM RSCOs
Underline = Concentration exceeds twenty time RCRA Hazardous Waste Level
*Background levels for lead vary widely.

Table 4. Summary of Total Petroleum Hydrocarbon Detected in Soil
Remedial Investigation of NYSDEC Spill Case #0812579 for Bridges Juvenile Justice Center
1221 Spofford Avenue, Bronx, New York

Target Analyte List Metal	RCRA Hazardous Waste Levels (mg/L)	20 Times RCRA Hazardous Waste Levels	Eastern USA Soil Background	TAGM #4046 Recommended Soil Clean-up Objective	Sample ID, Date Collected and Depth												
					SB13A	SB13B	SB14A	SB15A	SB15B	SB16A	SB16B	SB17A	SB18A	SB18B	SB19A	SB20A	SB21A
					3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/27/2009	3/27/2009	3/27/2009	3/27/2009	3/27/2009
					11.5 - 12	16.5 - 17	11.5 - 12	15 - 15.5	17.5 - 18	15.5 - 16	18.5 - 19	9 - 9.5	17 - 17.5	18.5 - 19	19 - 19.5	17 - 17.5	17 - 17.5
Total Petroleum Hydrocarbons	NS	NS	NS	NS	250	730	ND	48000	210	100000	ND	ND	310	6100	2400	1600	ND

Notes:
All concentrations are in parts per million (ppm or mg/kg)
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SB = Site Background Concentration
TAGM RSCOs = NYSDEC Technical and Administrative Guidance Memorandum (TAGM #4046) Recommended Soil Cleanup Objectives (RSCOs) (January 24, 1994)
BOLD = Concentration exceeds NYSDEC TAGM RSCOs
Shading = Detected concentration exceeds Eastern Soil Background Concentrations as per TAGM RSCOs
Underline = Concentration exceeds twenty time RCRA Hazardous Waste Level
*Background levels for lead vary widely.

**Table 5. Summary of Target Compound List Volatile Organic Compounds Detected in Groundwater
Remedial Investigation of NYSDEC Spill Case #0812579 for Bridges Juvenile Justice Center
1221 Spofford Avenue, Bronx, New York**

TCL VOC	NYSDEC Class GA Groundwater Standards and Guidance Values	Sample ID, Date Collected and Depth			
		TWP01	TWP02	TWP03	TWP04
		3/26/2009	3/26/2009	3/26/2009	3/26/2009
		2.0	**1.3**	**2.0**	**1.5**
1,2,4-Trimethylbenzene	5	**1.4**	**22**	**9.4**	**4.9**
1,3,5-Trimethylbenzene	5	ND	**9.1**	**1.9**	ND
4-Isopropyltoluene	5	ND	**3.2**	ND	**2.3**
Benzene	1	ND	ND	ND	**14**
Ethylbenzene	5	**1.1**	**1.1**	ND	**6.1**
Isopropylbenzene	5	ND	**2.6**	**1.7**	**3.9**
Methyl tert-butyl ether	10	ND	**0.83**	ND	**2.7**
Naphthalene	10	ND	**8.6**	**12**	**6.8**
N-Butylbenzene	5	ND	**1.1**	ND	**4.4**
n-Propylbenzene	5	ND	**3.4**	**2.3**	**4.8**
o-Xylene	5	**2**	**1.1**	ND	**2.6**
p-Xylene	5	**3.5**	**1.5**	ND	**5.4**
sec-Butylbenene	5	ND	**4.4**	ND	**6.5**
Toluene	5	**130**	**310**	**190**	**43**
Xylene (Total)	5	**5.5**	**2.6**	ND	**8**

Notes:
All concentrations are reported in parts per billion (ug/L)
U = Unfiltered sample
ND = Compoound not detected above method detection limit (see attached lab report for mdl's)
NS = No standard
Bold = Positive detection
Shading = Concentration exceeds NYSDEC Class GA Groundwater Standards and Guidance Values
NYSDEC Class GA Groundwater Standards and Guidance Values as per NYSDEC Technical and Operational Guidance Series (TOGS)

Table 6. Summary of Target Compound List Semi-Volatile Organic Compounds Detected in Groundwater
Remedial Investigation of NYSDEC Spill Case #0812579 for Bridges Juvenile Justice Center
1221 Spofford Avenue, Bronx, New York

TCL SVOC	NYSDEC Class GA Groundwater Standards and Guidance Values	Date Collected and Sample ID	
		TWP03	TWP04
		3/26/2009	3/26/2009
		2.0	1.5
Acenaphthene	20	**2.8**	**2.9**
Fluorene	50	ND	**2.3**
Naphthalene	10	**12**	**3.7**
Phenanthrene	50	**3.6**	**4.9**

Notes:
All concentrations are reported in parts per billion (ug/L)
U = Unfiltered sample
ND = Compoound not detected above method detection limit (see attached lab report for mdl's)
NS = No standard
Bold = Positive detection
Shading = Concentration exceeds NYSDEC Class GA Groundwater Standards and Guidance Values
NYSDEC Class GA Groundwater Standards and Guidance Values as per NYSDEC Technical and Operational Guidance Series (TOGS)

Table 7. Summary of Total Petroleum Hydrocarbon Detected in Groundwater
Remedial Investigation of NYSDEC Spill Case #0812579 for Bridges Juvenile Justice Center
1221 Spofford Avenue, Bronx, New York

Parameter	NYSDEC Class GA Groundwater Standards and Guidance Values	Date Collected and Sample ID	
		TWP03	TWP04
		3/26/2009	3/26/2009
		2.0	1.5
Total petroleum Hydrocarbon	NS	**2700**	**6500**

Notes:
All concentrations are reported in parts per billion (ug/L)
U = Unfiltered sample
ND = Compoound not detected above method detection limit (see attached lab report for mdl's)
NS = No standard
Bold = Positive detection
Shading = Concentration exceeds NYSDEC Class GA Groundwater Standards and Guidance Values
NYSDEC Class GA Groundwater Standards and Guidance Values as per NYSDEC Technical and Operational Guidance Series (TOGS)

APPENDIX D-2

Data Tables
Source: Groundwater Monitoring and Remediation Report
for the Fourth Quarter 2016
(URS, 2017)

TABLE 1
BRIDGES JUVENILE CENTER
GROUNDWATER ELEVATION/PRODUCT THICKNESS MEASUREMENTS

Location I.D.	Measurement Date/Time	Measuring Point Elevation	Depth to Water (feet)	Water Elevation (feet)	Product Thickness (feet)	Specific Gravity	Corrected Water Elevation (feet)	Remarks
MW-01	11/12/2015	50.31	13.21	37.10	0.00		37.10	
	12/22/2015		13.08	37.23	0.00		37.23	
	1/22/2016		13.31	37.00	0.00		37.00	
	2/25/2016		11.93	38.38	0.00		38.38	
	4/5/2016		12.73	37.58	0.00		37.58	
	4/12/2016		12.55	37.76	0.00		37.76	
	5/16/2016		12.53	37.78	0.00		37.78	
	6/2/2016		12.34	37.97	0.00		37.97	
	7/14/2016		12.44	37.87	0.00		37.87	
	8/5/2016		12.38	37.93	0.00		37.93	
	9/7/2016		13.47	36.84	0.00		36.84	
	10/18/2016		13.50	36.81	0.00		36.81	
MW-02	11/12/2015	50.10	14.23	35.87	0.02		35.87	Petroleum Abs. Sock 100% Sat. - Replaced
	12/22/2015		13.99	36.11	0.00		36.11	Petroleum Absorbent Sock 25% Saturated
	1/22/2016		14.15	35.95	0.00		35.95	Petroleum Absorbent Sock 50% Saturated
	2/25/2016		13.20	36.90	0.00		36.90	Petroleum Abs. Sock 75% Sat. - Replaced
	4/5/2016		13.93	36.17	0.00		36.17	Petroleum Abs. Sock 50% Sat. - Replaced
	4/12/2016		13.76	36.34	0.00		36.34	Petroleum Abs. Sock 50% Sat. - Replaced
	5/16/2016		13.80	36.30	0.00		36.30	Petroleum Abs. Sock 50% Sat. - Replaced
	6/2/2016		13.67	36.43	0.00		36.43	Petroleum Abs. Sock 50% Sat. - Replaced
	7/14/2016		13.69	36.41	0.00		36.41	Petroleum Absorbent Sock 50% Saturated
	8/5/2016		13.58	36.52	0.00		36.52	Removed Petroleum Absorbent Sock
	9/7/2016		14.07	36.03	0.01		36.03	Installed Petroleum Absorbent Sock
	10/18/2016		14.06	36.04	0.00		36.04	Petroleum Abs. Sock 100% Sat. - Replaced
MW-03	11/12/2015	50.23	17.62	32.61	0.03		32.61	Petroleum Abs. Sock 100% Sat. - Replaced
	12/22/2015		17.47	32.76	0.00		32.76	Petroleum Absorbent Sock 50% Saturated
	1/22/2016		16.92	33.31	0.00		33.31	Petroleum Absorbent Sock 50% Saturated
	2/25/2016		16.29	33.94	0.00		33.94	Petroleum Abs. Sock 100% Sat. - Replaced
	4/5/2016		17.10	33.13	0.01		33.13	Petroleum Abs. Sock 100% Sat. - Replaced

NOTES:
1. NM - No measurement was taken.

TABLE 1
BRIDGES JUVENILE CENTER
GROUNDWATER ELEVATION/PRODUCT THICKNESS MEASUREMENTS

Location I.D.	Measurement Date/Time	Measuring Point Elevation	Depth to Water (feet)	Water Elevation (feet)	Product Thickness (feet)	Specific Gravity	Corrected Water Elevation (feet)	Remarks
MW-03	4/12/2016	50.23	16.85	33.38	0.00		33.38	Petroleum Absorbent Sock 25% Saturated
	5/16/2016		16.86	33.37	0.00		33.37	Petroleum Absorbent Sock 50% Saturated
	6/2/2016		16.65	33.58	0.00		33.58	Petroleum Absorbent Sock 50% Saturated
	7/14/2016		16.78	33.45	0.01		33.45	Petroleum Abs. Sock 100% Sat. - Replaced
	8/5/2016		16.28	33.95	0.00		33.95	Removed Petroleum Absorbent Sock
	9/7/2016		17.50	32.73	0.04		32.73	Installed Petroleum Absorbent Sock
	10/18/2016		17.43	32.80	0.00		32.80	Petroleum Abs. Sock 100% Sat. - Replaced
MW-04	11/12/2015	50.08	18.89	31.19	0.00		31.19	Petroleum Abs. Sock 100% Sat. - Replaced
	12/22/2015		18.65	31.43	0.00		31.43	Petroleum Absorbent Sock 25% Saturated
	1/22/2016		18.73	31.35	0.00		31.35	Petroleum Absorbent Sock 50% Saturated
	2/25/2016		18.47	31.61	0.00		31.61	Petroleum Absorbent Sock 50% Saturated
	4/5/2016		18.85	31.23	0.00		31.23	Petroleum Absorbent Sock 50% Saturated
	4/12/2016		18.61	31.47	0.00		31.47	Petroleum Absorbent Sock 50% Saturated
	5/16/2016		18.76	31.32	0.00		31.32	Petroleum Absorbent Sock 50% Saturated
	6/2/2016		18.76	31.32	0.00		31.32	Petroleum Absorbent Sock 50% Saturated
	7/14/2016		18.69	31.39	0.00		31.39	Petroleum Abs. Sock 100% Sat. - Replaced
	8/5/2016		18.68	31.40	0.00		31.40	Removed Petroleum Absorbent Sock
	9/7/2016		18.63	31.45	0.02		31.45	Installed Petroleum Absorbent Sock
	10/18/2016		18.64	31.44	0.00		31.44	Petroleum Abs. Sock 100% Sat. - Replaced
MW-05	11/12/2015	29.08	1.25	27.83	0.32		27.83	Removed 0.25 gal product
	12/22/2015		1.03	28.05	0.28		28.05	Removed 0.25 gal product
	1/22/2016		1.42	27.66	0.06		27.66	Removed 0.25 gal product
	2/25/2016		1.32	27.76	0.12		27.76	Removed 0.25 gal product
	4/5/2016		1.68	27.40	0.05		27.40	Removed 0.25 gal product
	4/12/2016		1.45	27.63	0.03		27.63	Removed 0.25 gal product
	5/16/2016		1.22	27.86	0.00		27.86	
	6/2/2016		1.16	27.92	0.00		27.92	
	7/14/2016		1.18	27.90	0.00		27.90	
	8/5/2016		1.14	27.94	0.00		27.94	

NOTES:
1. NM - No measurement was taken.

TABLE 1
BRIDGES JUVENILE CENTER
GROUNDWATER ELEVATION/PRODUCT THICKNESS MEASUREMENTS

Location I.D.	Measurement Date/Time	Measuring Point Elevation	Depth to Water (feet)	Water Elevation (feet)	Product Thickness (feet)	Specific Gravity	Corrected Water Elevation (feet)	Remarks
MW-05	9/7/2016	29.08	NM	0.00	NM		0.00	No Access to Building
	10/18/2016		1.36	27.72	0.05		27.72	
MW-06	11/12/2015	29.18	0.89	28.29	0.00		28.29	
	12/22/2015		0.63	28.55	0.00		28.55	
	1/22/2016		1.22	27.96	0.00		27.96	
	2/25/2016		1.18	28.00	0.04		28.00	Removed 0.25 gal product
	4/5/2016		1.39	27.79	0.01		27.79	Installed Petroleum Absorbent Sock
	4/12/2016		1.28	27.90	0.02		27.90	Petroleum Abs. Sock 100% Sat. - Replaced
	5/16/2016		1.23	27.95	0.04		27.95	Petroleum Abs. Sock 100% Sat. - Replaced
	6/2/2016		1.13	28.05	0.02		28.05	Petroleum Abs. Sock 100% Sat. - Replaced
	7/14/2016		1.20	27.98	0.04		27.98	Petroleum Abs. Sock 100% Sat. - Replaced
	8/5/2016		1.18	28.00	0.03		28.00	Petroleum Abs. Sock 100% Sat. - Replaced
	9/7/2016		NM	0.00	NM		0.00	No Access to Building
	10/18/2016		1.43	27.75	0.00		27.75	

NOTES:
1. NM - No measurement was taken.

TABLE 2
BRIDGES JUVENILE CENTER
GROUNDWATER ANALYTICAL RESULTS

Sample ID:			MW-01	MW-01	MW-01	MW-01	MW-06
Matrix			Water	Water	Water	Water	Water
Date Sampled:			01/22/16	04/12/16	07/14/16	10/18/16	01/22/16
Parameter	Units	Criteria*					
Volatiles							
Methyl t-Butyl Ether	UG/L	10	ND	ND	ND	ND	ND
Benzene	UG/L	1	3	2	1	3.3	ND
Ethylbenzene	UG/L	5	63	47	32	67.9	ND
Toluene	UG/L	5	ND	ND	ND	ND	ND
Total Xylenes	UG/L	5	66	33	22	79.7	ND
Isopropylbenzene	UG/L	5	13	10	9	17.2	1 J
n-Propylbenzene	UG/L	5	22	18	15	30.1	ND
p-Cymene (p-Isopropyltoluene)	UG/L	5	7	6	5	9.1	ND
tert-Butylbenzene	UG/L	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	UG/L	5	250 D	170	150	313	ND
1,3,5-Trimethylbenzene	UG/L	5	64	46	36	70	ND
sec-Butylbenzene	UG/L	5	6	5	4 J	ND	1 J
n-Butylbenzene	UG/L	5	15	13	7	12.2	ND
Total Volatiles	UG/L		509	350	281	602.5	2
Semivolatiles							
Naphthalene	UG/L	10	82	28	23	112	36
Acenaphthene	UG/L	20	ND	4 J	4 J	ND	4 J
Anthracene	UG/L	50	ND	ND	ND	ND	ND
Benzo(a)anthracene	UG/L	0.002	ND	ND	ND	ND	ND
Benzo(a)pyrene	UG/L	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	UG/L	0.002	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	UG/L	0.002	ND	ND	ND	ND	ND
Chrysene	UG/L	0.002	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	UG/L	50	ND	ND	ND	ND	ND
Fluoranthene	UG/L	50	ND	ND	ND	ND	ND
Fluorene	UG/L	50	ND	3 J	3 J	ND	4 J
Phenanthrene	UG/L	50	ND	2 J	ND	ND	5 J
Pyrene	UG/L	50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	UG/L	50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	UG/L	0.002	ND	ND	ND	ND	ND
Acenaphthylene	UG/L	50	ND	ND	ND	ND	ND
Total Semivolatiles	UG/L		82	37	30	112	49

*** - NYSDEC Groundwater Criteria,TOGS (1.1.1) June 1998, Revised April 2000, Class GA; and 10NYCRR Part 5, Subpart 5-1, Public Water Systems, NYSDOH.**

Concentration exceeds criteria.

(tblRES.LOGDATE Between #11/1/2015# And #10/18/2016#)

ND - Not Detected.; NA - Sample not analyzed for this analyte

J - Estimated concentration detected below the quantitation limit, or due to quality control outliers.

R - Rejected Value.; B - Compound detected in associated method blank.

D - Concentration reported from a secondary dilution analysis.

TABLE 2
BRIDGES JUVENILE CENTER
GROUNDWATER ANALYTICAL RESULTS

Sample ID:			MW-06
Matrix			Water
Date Sampled:			10/18/16
Parameter	**Units**	**Criteria***	
Volatiles			
Methyl t-Butyl Ether	UG/L	10	ND
Benzene	UG/L	1	ND
Ethylbenzene	UG/L	5	ND
Toluene	UG/L	5	ND
Total Xylenes	UG/L	5	ND
Isopropylbenzene	UG/L	5	ND
n-Propylbenzene	UG/L	5	ND
p-Cymene (p-Isopropyltoluene)	UG/L	5	ND
tert-Butylbenzene	UG/L	5	ND
1,2,4-Trimethylbenzene	UG/L	5	ND
1,3,5-Trimethylbenzene	UG/L	5	ND
sec-Butylbenzene	UG/L	5	ND
n-Butylbenzene	UG/L	5	ND
Total Volatiles	UG/L		ND
Semivolatiles			
Naphthalene	UG/L	10	ND
Acenaphthene	UG/L	20	ND
Anthracene	UG/L	50	ND
Benzo(a)anthracene	UG/L	0.002	ND
Benzo(a)pyrene	UG/L	ND	ND
Benzo(b)fluoranthene	UG/L	0.002	ND
Benzo(k)fluoranthene	UG/L	0.002	ND
Chrysene	UG/L	0.002	ND
Dibenz(a,h)anthracene	UG/L	50	ND
Fluoranthene	UG/L	50	ND
Fluorene	UG/L	50	ND
Phenanthrene	UG/L	50	ND
Pyrene	UG/L	50	ND
Benzo(g,h,i)perylene	UG/L	50	ND
Indeno(1,2,3-cd)pyrene	UG/L	0.002	ND
Acenaphthylene	UG/L	50	ND
Total Semivolatiles	UG/L		ND

*** - NYSDEC Groundwater Criteria,TOGS (1.1.1) June 1998, Revised April 2000, Class GA; and 10NYCRR Part 5, Subpart 5-1, Public Water Systems, NYSDOH.**

Concentration exceeds criteria.

(tblRES.LOGDATE Between #11/1/2015# And #10/18/2016#)

ND - Not Detected.; NA - Sample not analyzed for this analyte

J - Estimated concentration detected below the quantitation limit, or due to quality control outliers.

R - Rejected Value.; B - Compound detected in associated method blank.

D - Concentration reported from a secondary dilution analysis.

APPENDIX D-3

Data Tables
Source: Phase II Environmental Site Assessment
(Roux Associates, Inc., 2017)

Table 1. Groundwater Monitoring Well Gauging Table
1221 Spofford Avenue, Bronx, New York

Existing Well Designation	Date	Well Diameter (in)	DTW (ft bls)	DTP (ft bls)	DTB (ft bls)	Comments
MW-1	**4/26/2017**	2	11.99	--	23.31	
MW-2	**4/26/2017**	2	13.50	13.49	24.83	Absorbent in well
MW-3	**4/26/2017**	2	16.75	16.74	27.43	Absorbent in well
MW-4	**4/26/2017**	2	18.49	--	28.03	Absorbent in well
MW-5	**4/26/2017**	2	1.08	0.85	13.12	Absorbent in well
MW-6	**4/26/2017**	2	1.15	--	13.10	

in - Inches
ft bls - Feet below land surface

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2
				Sample Date:	04/24/2017	04/25/2017	04/24/2017	04/25/2017
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	7 - 9
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
1,1,1,2-Tetrachloroethane	--	--	--	UG/KG	1 U	1 U	1.1 U	1 U
1,1,1-Trichloroethane	680	100000	680	UG/KG	1 U	1 U	1.1 U	1 U
1,1,2,2-Tetrachloroethane	--	--	--	UG/KG	1 U	1 U	1.1 U	1 U
1,1,2-Trichloroethane	--	--	--	UG/KG	1.5 U	1.5 U	1.6 U	1.6 U
1,1-Dichloroethane	270	26000	270	UG/KG	1.5 U	1.5 U	1.6 U	1.6 U
1,1-Dichloroethene	330	100000	330	UG/KG	1 U	1 U	1.1 U	1 U
1,1-Dichloropropene	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
1,2,3-Trichlorobenzene	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
1,2,3-Trichloropropane	--	--	--	UG/KG	10 U	10 U	11 U	10 U
1,2,4,5-Tetramethylbenzene	--	--	--	UG/KG	4.1 U	4.1 U	4.4 U	4.2 U
1,2,4-Trichlorobenzene	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
1,2,4-Trimethylbenzene	3600	52000	3600	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
1,2-Dibromo-3-Chloropropane	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	UG/KG	4.1 U	4.1 U	4.4 U	4.2 U
1,2-Dichlorobenzene	1100	100000	1100	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
1,2-Dichloroethane	20	3100	20	UG/KG	1 U	1 U	1.1 U	1 U
1,2-Dichloropropane	--	--	--	UG/KG	3.6 U	3.6 U	3.8 U	3.7 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	52000	8400	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
1,3-Dichlorobenzene	2400	49000	2400	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
1,3-Dichloropropane	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
1,4-Dichlorobenzene	1800	13000	1800	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
1,4-Diethyl Benzene	--	--	--	UG/KG	4.1 U	4.1 U	4.4 U	4.2 U
1,4-Dioxane (P-Dioxane)	100	13000	100	UG/KG	41 U	41 U	44 U	42 U
2,2-Dichloropropane	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
2-Chlorotoluene	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
2-Hexanone	--	--	--	UG/KG	10 U	10 U	11 U	10 U
4-Chlorotoluene	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
4-Ethyltoluene	--	--	--	UG/KG	4.1 U	4.1 U	4.4 U	4.2 U
Acetone	50	100000	50	UG/KG	3.5 J	2.9 J	7.4 J	10 U

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2
				Sample Date:	04/24/2017	04/25/2017	04/24/2017	04/25/2017
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	7 - 9
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Acrylonitrile	--	--	--	UG/KG	10 U	10 U	11 U	10 U
Benzene	60	4800	60	UG/KG	1 U	1 U	1.1 U	1 U
Bromobenzene	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
Bromochloromethane	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
Bromodichloromethane	--	--	--	UG/KG	1 U	1 U	1.1 U	1 U
Bromoform	--	--	--	UG/KG	4.1 U	4.1 U	4.4 U	4.2 U
Bromomethane	--	--	--	UG/KG	2 U	2 U	2.2 U	2.1 U
Carbon Disulfide	--	--	--	UG/KG	10 U	10 U	11 U	10 U
Carbon Tetrachloride	760	2400	760	UG/KG	1 U	1 U	1.1 U	1 U
Chlorobenzene	1100	100000	1100	UG/KG	1 U	1 U	1.1 U	1 U
Chloroethane	--	--	--	UG/KG	2 U	2 U	2.2 U	2.1 U
Chloroform	370	49000	370	UG/KG	1.5 U	1.5 U	1.6 U	1.6 U
Chloromethane	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
Cis-1,2-Dichloroethylene	250	100000	250	UG/KG	1 U	1 U	1.1 U	1 U
Cis-1,3-Dichloropropene	--	--	--	UG/KG	1 U	1 U	1.1 U	1 U
Cymene	--	--	--	UG/KG	1 U	1 U	1.1 U	1 U
Dibromochloromethane	--	--	--	UG/KG	1 U	1 U	1.1 U	1 U
Dibromomethane	--	--	--	UG/KG	10 U	10 U	11 U	10 U
Dichlorodifluoromethane	--	--	--	UG/KG	10 U	10 U	11 U	10 U
Dichloroethylenes	--	--	--	UG/KG	1 U	1 U	1.1 U	1 U
Diethyl Ether (Ethyl Ether)	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
Ethylbenzene	1000	41000	1000	UG/KG	1 U	1 U	1.1 U	1 U
Hexachlorobutadiene	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
Isopropylbenzene (Cumene)	--	--	--	UG/KG	1 U	1 U	1.1 U	1 U
m,p-Xylene	--	--	--	UG/KG	2 U	2 U	2.2 U	2.1 U
Methyl Ethyl Ketone (2-Butanone)	120	100000	120	UG/KG	10 U	10 U	11 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	UG/KG	10 U	10 U	11 U	10 U
Methylene Chloride	50	100000	50	UG/KG	10 U	10 U	11 U	10 U
Naphthalene	12000	100000	12000	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-1	RXSB-1	RXSB-2	RXSB-2
			Sample Date:		04/24/2017	04/25/2017	04/24/2017	04/25/2017
			Sample Depth (ft bls):		0 - 2	8 - 10	0 - 2	7 - 9
			Normal or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
N-Butylbenzene	12000	100000	12000	UG/KG	1 U	1 U	1.1 U	1 U
N-Propylbenzene	3900	100000	3900	UG/KG	1 U	1 U	1.1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	UG/KG	2 U	2 U	2.2 U	2.1 U
Sec-Butylbenzene	11000	100000	11000	UG/KG	1 U	1 U	1.1 U	1 U
Styrene	--	--	--	UG/KG	2 U	2 U	2.2 U	2.1 U
T-Butylbenzene	5900	100000	5900	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
Tert-Butyl Methyl Ether	930	100000	930	UG/KG	2 U	2 U	2.2 U	2.1 U
Tetrachloroethylene (PCE)	1300	19000	1300	UG/KG	0.7 J	1 U	1.1 U	1 U
Toluene	700	100000	700	UG/KG	1.5 U	1.5 U	1.6 U	1.6 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	UG/KG	1 U	1 U	1.1 U	1 U
Trans-1,2-Dichloroethene	190	100000	190	UG/KG	1.5 U	1.5 U	1.6 U	1.6 U
Trans-1,3-Dichloropropene	--	--	--	UG/KG	1 U	1 U	1.1 U	1 U
Trans-1,4-Dichloro-2-Butene	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
Trichloroethylene (TCE)	470	21000	470	UG/KG	1 U	1 U	1.1 U	1 U
Trichlorofluoromethane	--	--	--	UG/KG	5.1 U	5.1 U	5.4 U	5.2 U
Vinyl Acetate	--	--	--	UG/KG	10 U	10 U	11 U	10 U
Vinyl Chloride	20	900	20	UG/KG	2 U	2 U	2.2 U	2.1 U
Xylenes	260	100000	1600	UG/KG	2 U	2 U	2.2 U	2.1 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation: RXSB-3	RXSB-3	RXSB-4	RXSB-4
					Sample Date: 04/25/2017	04/26/2017	04/24/2017	04/24/2017
					Sample Depth (ft bls): 0 - 2	6 - 8	0 - 2	0 - 2
					Normal or Field Duplicate: N	N	N	FD
1,1,1,2-Tetrachloroethane	--	--	--	UG/KG	1.3 U	1 U	1 U	0.9 U
1,1,1-Trichloroethane	680	100000	680	UG/KG	1.3 U	1 U	1 U	0.9 U
1,1,2,2-Tetrachloroethane	--	--	--	UG/KG	1.3 U	1 U	1 U	0.9 U
1,1,2-Trichloroethane	--	--	--	UG/KG	1.9 U	1.5 U	1.6 U	1.3 U
1,1-Dichloroethane	270	26000	270	UG/KG	1.9 U	1.5 U	1.6 U	1.3 U
1,1-Dichloroethene	330	100000	330	UG/KG	1.3 U	1 U	1 U	0.9 U
1,1-Dichloropropene	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
1,2,3-Trichlorobenzene	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
1,2,3-Trichloropropane	--	--	--	UG/KG	13 U	10 U	10 U	9 U
1,2,4,5-Tetramethylbenzene	--	--	--	UG/KG	5.1 U	4 U	1.2 J	1 J
1,2,4-Trichlorobenzene	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
1,2,4-Trimethylbenzene	3600	52000	3600	UG/KG	6.3 U	5 U	5.4	3.9 J
1,2-Dibromo-3-Chloropropane	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	UG/KG	5.1 U	4 U	4.2 U	3.6 U
1,2-Dichlorobenzene	1100	100000	1100	UG/KG	6.3 U	5 U	5.3 U	4.5 U
1,2-Dichloroethane	20	3100	20	UG/KG	1.3 U	1 U	1 U	0.9 U
1,2-Dichloropropane	--	--	--	UG/KG	4.4 U	3.5 U	3.7 U	3.1 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	52000	8400	UG/KG	6.3 U	5 U	2.4 J	1.9 J
1,3-Dichlorobenzene	2400	49000	2400	UG/KG	6.3 U	5 U	5.3 U	4.5 U
1,3-Dichloropropane	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
1,4-Dichlorobenzene	1800	13000	1800	UG/KG	6.3 U	5 U	5.3 U	4.5 U
1,4-Diethyl Benzene	--	--	--	UG/KG	5.1 U	4 U	7.8	6.4
1,4-Dioxane (P-Dioxane)	100	13000	100	UG/KG	51 U	40 U	42 U	36 U
2,2-Dichloropropane	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
2-Chlorotoluene	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
2-Hexanone	--	--	--	UG/KG	13 U	10 U	10 U	9 U
4-Chlorotoluene	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
4-Ethyltoluene	--	--	--	UG/KG	5.1 U	4 U	2 J	1.4 J
Acetone	50	100000	50	UG/KG	44	10 U	12	4.4 J

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-3	RXSB-3	RXSB-4	RXSB-4
				Sample Date:	04/25/2017	04/26/2017	04/24/2017	04/24/2017
				Sample Depth (ft bls):	0 - 2	6 - 8	0 - 2	0 - 2
				Normal or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Acrylonitrile	--	--	--	UG/KG	13 U	10 U	10 U	9 U
Benzene	60	4800	60	UG/KG	1.3 U	1 U	1 U	0.9 U
Bromobenzene	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
Bromochloromethane	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
Bromodichloromethane	--	--	--	UG/KG	1.3 U	1 U	1 U	0.9 U
Bromoform	--	--	--	UG/KG	5.1 U	4 U	4.2 U	3.6 U
Bromomethane	--	--	--	UG/KG	2.5 U	2 U	2.1 U	1.8 U
Carbon Disulfide	--	--	--	UG/KG	13 U	10 U	10 U	9 U
Carbon Tetrachloride	760	2400	760	UG/KG	1.3 U	1 U	1 U	0.9 U
Chlorobenzene	1100	100000	1100	UG/KG	1.3 U	1 U	1 U	0.9 U
Chloroethane	--	--	--	UG/KG	2.5 U	2 U	2.1 U	1.8 U
Chloroform	370	49000	370	UG/KG	1.9 U	1.5 U	1.6 U	1.3 U
Chloromethane	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
Cis-1,2-Dichloroethylene	250	100000	250	UG/KG	1.3 U	1 U	1 U	0.9 U
Cis-1,3-Dichloropropene	--	--	--	UG/KG	1.3 U	1 U	1 U	0.9 U
Cymene	--	--	--	UG/KG	1.3 U	1 U	0.52 J	0.44 J
Dibromochloromethane	--	--	--	UG/KG	1.3 U	1 U	1 U	0.9 U
Dibromomethane	--	--	--	UG/KG	13 U	10 U	10 U	9 U
Dichlorodifluoromethane	--	--	--	UG/KG	13 U	10 U	10 U	9 U
Dichloroethylenes	--	--	--	UG/KG	1.3 U	1 U	1 U	0.9 U
Diethyl Ether (Ethyl Ether)	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
Ethylbenzene	1000	41000	1000	UG/KG	1.3 U	1 U	1 U	0.9 U
Hexachlorobutadiene	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
Isopropylbenzene (Cumene)	--	--	--	UG/KG	1.3 U	1 U	1 U	0.9 U
m,p-Xylene	--	--	--	UG/KG	2.5 U	2 U	2.1 U	1.8 U
Methyl Ethyl Ketone (2-Butanone)	120	100000	120	UG/KG	3.8 J	10 U	10 U	9 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	UG/KG	13 U	10 U	10 U	9 U
Methylene Chloride	50	100000	50	UG/KG	13 U	10 U	10 U	9 U
Naphthalene	12000	100000	12000	UG/KG	6.3 U	5 U	12	1.9 J

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-3	RXSB-3	RXSB-4	RXSB-4
			Sample Date:		04/25/2017	04/26/2017	04/24/2017	04/24/2017
			Sample Depth (ft bls):		0 - 2	6 - 8	0 - 2	0 - 2
			Normal or Field Duplicate:		N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
N-Butylbenzene	12000	100000	12000	UG/KG	1.3 U	1 U	0.33 J	0.3 J
N-Propylbenzene	3900	100000	3900	UG/KG	1.3 U	1 U	1 U	0.19 J
O-Xylene (1,2-Dimethylbenzene)	--	--	--	UG/KG	2.5 U	2 U	0.49 J	1.8 U
Sec-Butylbenzene	11000	100000	11000	UG/KG	1.3 U	1 U	0.61 J	0.56 J
Styrene	--	--	--	UG/KG	2.5 U	2 U	2.1 U	1.8 U
T-Butylbenzene	5900	100000	5900	UG/KG	6.3 U	5 U	5.3 U	4.5 U
Tert-Butyl Methyl Ether	930	100000	930	UG/KG	2.5 U	2 U	2.1 U	1.8 U
Tetrachloroethylene (PCE)	1300	19000	1300	UG/KG	1.3 U	1 U	1 U	0.9 U
Toluene	700	100000	700	UG/KG	1.9 U	1.5 U	1.6 U	1.3 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	UG/KG	1.3 U	1 U	1 U	0.9 U
Trans-1,2-Dichloroethene	190	100000	190	UG/KG	1.9 U	1.5 U	1.6 U	1.3 U
Trans-1,3-Dichloropropene	--	--	--	UG/KG	1.3 U	1 U	1 U	0.9 U
Trans-1,4-Dichloro-2-Butene	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
Trichloroethylene (TCE)	470	21000	470	UG/KG	1.3 U	1 U	1 U	0.9 U
Trichlorofluoromethane	--	--	--	UG/KG	6.3 U	5 U	5.3 U	4.5 U
Vinyl Acetate	--	--	--	UG/KG	13 U	10 U	10 U	9 U
Vinyl Chloride	20	900	20	UG/KG	2.5 U	2 U	2.1 U	1.8 U
Xylenes	260	100000	1600	UG/KG	2.5 U	2 U	0.49 J	1.8 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-4	RXSB-5	RXSB-5	RXSB-6
				Sample Date:	04/25/2017	04/25/2017	04/26/2017	04/24/2017
				Sample Depth (ft bls):	11 - 13	0 - 2	5 - 6	0 - 2
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
1,1,1,2-Tetrachloroethane	--	--	--	UG/KG	1.1 U	0.98 U	0.85 U	1 U
1,1,1-Trichloroethane	680	100000	680	UG/KG	1.1 U	0.98 U	0.85 U	1 U
1,1,2,2-Tetrachloroethane	--	--	--	UG/KG	1.1 U	0.98 U	0.85 U	1 U
1,1,2-Trichloroethane	--	--	--	UG/KG	1.6 U	1.5 U	1.3 U	1.5 U
1,1-Dichloroethane	270	26000	270	UG/KG	1.6 U	1.5 U	1.3 U	1.5 U
1,1-Dichloroethene	330	100000	330	UG/KG	1.1 U	0.98 U	0.85 U	1 U
1,1-Dichloropropene	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
1,2,3-Trichlorobenzene	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
1,2,3-Trichloropropane	--	--	--	UG/KG	11 U	9.8 U	8.5 U	10 U
1,2,4,5-Tetramethylbenzene	--	--	--	UG/KG	4.4 U	3.9 U	3.4 U	4.1 U
1,2,4-Trichlorobenzene	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
1,2,4-Trimethylbenzene	3600	52000	3600	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
1,2-Dibromo-3-Chloropropane	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	UG/KG	4.4 U	3.9 U	3.4 U	4.1 U
1,2-Dichlorobenzene	1100	100000	1100	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
1,2-Dichloroethane	20	3100	20	UG/KG	1.1 U	0.98 U	0.85 U	1 U
1,2-Dichloropropane	--	--	--	UG/KG	3.8 U	3.4 U	3 U	3.6 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	52000	8400	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
1,3-Dichlorobenzene	2400	49000	2400	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
1,3-Dichloropropane	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
1,4-Dichlorobenzene	1800	13000	1800	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
1,4-Diethyl Benzene	--	--	--	UG/KG	4.4 U	3.9 U	3.4 U	4.1 U
1,4-Dioxane (P-Dioxane)	100	13000	100	UG/KG	44 U	39 U	34 U	41 U
2,2-Dichloropropane	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
2-Chlorotoluene	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
2-Hexanone	--	--	--	UG/KG	11 U	9.8 U	8.5 U	10 U
4-Chlorotoluene	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
4-Ethyltoluene	--	--	--	UG/KG	4.4 U	3.9 U	3.4 U	4.1 U
Acetone	50	100000	50	UG/KG	3.7 J	34	2.7 J	9.6 J

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-4	RXSB-5	RXSB-5	RXSB-6
				Sample Date:	04/25/2017	04/25/2017	04/26/2017	04/24/2017
				Sample Depth (ft bls):	11 - 13	0 - 2	5 - 6	0 - 2
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Acrylonitrile	--	--	--	UG/KG	11 U	9.8 U	8.5 U	10 U
Benzene	60	4800	60	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Bromobenzene	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
Bromochloromethane	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
Bromodichloromethane	--	--	--	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Bromoform	--	--	--	UG/KG	4.4 U	3.9 U	3.4 U	4.1 U
Bromomethane	--	--	--	UG/KG	2.2 U	2 U	1.7 U	2 U
Carbon Disulfide	--	--	--	UG/KG	11 U	9.8 U	8.5 U	10 U
Carbon Tetrachloride	760	2400	760	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Chlorobenzene	1100	100000	1100	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Chloroethane	--	--	--	UG/KG	2.2 U	2 U	1.7 U	2 U
Chloroform	370	49000	370	UG/KG	1.6 U	1.5 U	1.3 U	1.5 U
Chloromethane	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
Cis-1,2-Dichloroethylene	250	100000	250	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Cis-1,3-Dichloropropene	--	--	--	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Cymene	--	--	--	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Dibromochloromethane	--	--	--	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Dibromomethane	--	--	--	UG/KG	11 U	9.8 U	8.5 U	10 U
Dichlorodifluoromethane	--	--	--	UG/KG	11 U	9.8 U	8.5 U	10 U
Dichloroethylenes	--	--	--	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Diethyl Ether (Ethyl Ether)	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
Ethylbenzene	1000	41000	1000	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Hexachlorobutadiene	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
Isopropylbenzene (Cumene)	--	--	--	UG/KG	1.1 U	0.98 U	0.85 U	1 U
m,p-Xylene	--	--	--	UG/KG	2.2 U	2 U	1.7 U	2 U
Methyl Ethyl Ketone (2-Butanone)	120	100000	120	UG/KG	11 U	1.6 J	8.5 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	UG/KG	11 U	9.8 U	8.5 U	10 U
Methylene Chloride	50	100000	50	UG/KG	11 U	9.8 U	8.5 U	10 U
Naphthalene	12000	100000	12000	UG/KG	5.4 U	4.9 U	4.2 U	0.2 J

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-4	RXSB-5	RXSB-5	RXSB-6
			Sample Date:		04/25/2017	04/25/2017	04/26/2017	04/24/2017
			Sample Depth (ft bls):		11 - 13	0 - 2	5 - 6	0 - 2
			Normal or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
N-Butylbenzene	12000	100000	12000	UG/KG	1.1 U	0.98 U	0.85 U	1 U
N-Propylbenzene	3900	100000	3900	UG/KG	1.1 U	0.98 U	0.85 U	1 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	UG/KG	2.2 U	2 U	1.7 U	2 U
Sec-Butylbenzene	11000	100000	11000	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Styrene	--	--	--	UG/KG	2.2 U	2 U	1.7 U	2 U
T-Butylbenzene	5900	100000	5900	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
Tert-Butyl Methyl Ether	930	100000	930	UG/KG	2.2 U	2 U	1.7 U	2 U
Tetrachloroethylene (PCE)	1300	19000	1300	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Toluene	700	100000	700	UG/KG	1.6 U	1.5 U	1.3 U	1.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Trans-1,2-Dichloroethene	190	100000	190	UG/KG	1.6 U	1.5 U	1.3 U	1.5 U
Trans-1,3-Dichloropropene	--	--	--	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Trans-1,4-Dichloro-2-Butene	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
Trichloroethylene (TCE)	470	21000	470	UG/KG	1.1 U	0.98 U	0.85 U	1 U
Trichlorofluoromethane	--	--	--	UG/KG	5.4 U	4.9 U	4.2 U	5.1 U
Vinyl Acetate	--	--	--	UG/KG	11 U	9.8 U	8.5 U	10 U
Vinyl Chloride	20	900	20	UG/KG	2.2 U	2 U	1.7 U	2 U
Xylenes	260	100000	1600	UG/KG	2.2 U	2 U	1.7 U	2 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-6	RXSB-7	RXSB-7	RXSB-8
			Sample Date:		04/25/2017	04/25/2017	04/25/2017	04/25/2017
			Sample Depth (ft bls):		8 - 10	0 - 2	5 - 7	0 - 2
			Normal or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
1,1,1,2-Tetrachloroethane	--	--	--	UG/KG	1 U	1 U	0.96 U	0.98 U
1,1,1-Trichloroethane	680	100000	680	UG/KG	1 U	1 U	0.96 U	0.98 U
1,1,2,2-Tetrachloroethane	--	--	--	UG/KG	1 U	1 U	0.96 U	0.98 U
1,1,2-Trichloroethane	--	--	--	UG/KG	1.5 U	1.5 U	1.4 U	1.5 U
1,1-Dichloroethane	270	26000	270	UG/KG	1.5 U	1.5 U	1.4 U	1.5 U
1,1-Dichloroethene	330	100000	330	UG/KG	1 U	1 U	0.96 U	0.98 U
1,1-Dichloropropene	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
1,2,3-Trichlorobenzene	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
1,2,3-Trichloropropane	--	--	--	UG/KG	10 U	10 U	9.6 U	9.8 U
1,2,4,5-Tetramethylbenzene	--	--	--	UG/KG	4.1 U	4 U	3.8 U	3.9 U
1,2,4-Trichlorobenzene	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
1,2,4-Trimethylbenzene	3600	52000	3600	UG/KG	5.1 U	5 U	4.8 U	4.9 U
1,2-Dibromo-3-Chloropropane	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	UG/KG	4.1 U	4 U	3.8 U	3.9 U
1,2-Dichlorobenzene	1100	100000	1100	UG/KG	5.1 U	5 U	4.8 U	4.9 U
1,2-Dichloroethane	20	3100	20	UG/KG	1 U	1 U	0.96 U	0.98 U
1,2-Dichloropropane	--	--	--	UG/KG	3.6 U	3.5 U	3.4 U	3.4 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	52000	8400	UG/KG	5.1 U	5 U	4.8 U	4.9 U
1,3-Dichlorobenzene	2400	49000	2400	UG/KG	5.1 U	5 U	4.8 U	4.9 U
1,3-Dichloropropane	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
1,4-Dichlorobenzene	1800	13000	1800	UG/KG	5.1 U	5 U	4.8 U	4.9 U
1,4-Diethyl Benzene	--	--	--	UG/KG	4.1 U	4 U	3.8 U	3.9 U
1,4-Dioxane (P-Dioxane)	100	13000	100	UG/KG	41 U	40 U	38 U	39 U
2,2-Dichloropropane	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
2-Chlorotoluene	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
2-Hexanone	--	--	--	UG/KG	10 U	10 U	9.6 U	9.8 U
4-Chlorotoluene	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
4-Ethyltoluene	--	--	--	UG/KG	4.1 U	4 U	3.8 U	3.9 U
Acetone	50	100000	50	UG/KG	6.3 J	24	11	9.8 U

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-6	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	04/25/2017	04/25/2017	04/25/2017	04/25/2017
				Sample Depth (ft bls):	8 - 10	0 - 2	5 - 7	0 - 2
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Acrylonitrile	--	--	--	UG/KG	10 U	10 U	9.6 U	9.8 U
Benzene	60	4800	60	UG/KG	1 U	1 U	0.96 U	0.98 U
Bromobenzene	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
Bromochloromethane	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
Bromodichloromethane	--	--	--	UG/KG	1 U	1 U	0.96 U	0.98 U
Bromoform	--	--	--	UG/KG	4.1 U	4 U	3.8 U	3.9 U
Bromomethane	--	--	--	UG/KG	2 U	2 U	1.9 U	2 U
Carbon Disulfide	--	--	--	UG/KG	10 U	10 U	9.6 U	9.8 U
Carbon Tetrachloride	760	2400	760	UG/KG	1 U	1 U	0.96 U	0.98 U
Chlorobenzene	1100	100000	1100	UG/KG	1 U	1 U	0.96 U	0.98 U
Chloroethane	--	--	--	UG/KG	2 U	2 U	1.9 U	2 U
Chloroform	370	49000	370	UG/KG	1.5 U	1.5 U	1.4 U	1.5 U
Chloromethane	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
Cis-1,2-Dichloroethylene	250	100000	250	UG/KG	1 U	1 U	0.96 U	0.98 U
Cis-1,3-Dichloropropene	--	--	--	UG/KG	1 U	1 U	0.96 U	0.98 U
Cymene	--	--	--	UG/KG	1 U	1 U	0.96 U	0.98 U
Dibromochloromethane	--	--	--	UG/KG	1 U	1 U	0.96 U	0.98 U
Dibromomethane	--	--	--	UG/KG	10 U	10 U	9.6 U	9.8 U
Dichlorodifluoromethane	--	--	--	UG/KG	10 U	10 U	9.6 U	9.8 U
Dichloroethylenes	--	--	--	UG/KG	1 U	1 U	0.96 U	0.98 U
Diethyl Ether (Ethyl Ether)	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
Ethylbenzene	1000	41000	1000	UG/KG	1 U	1 U	0.96 U	0.98 U
Hexachlorobutadiene	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
Isopropylbenzene (Cumene)	--	--	--	UG/KG	1 U	1 U	0.96 U	0.98 U
m,p-Xylene	--	--	--	UG/KG	2 U	2 U	1.9 U	2 U
Methyl Ethyl Ketone (2-Butanone)	120	100000	120	UG/KG	10 U	10 U	0.95 J	9.8 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	UG/KG	10 U	10 U	9.6 U	9.8 U
Methylene Chloride	50	100000	50	UG/KG	10 U	10 U	9.6 U	9.8 U
Naphthalene	12000	100000	12000	UG/KG	5.1 U	5 U	4.8 U	0.69 J

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-6	RXSB-7	RXSB-7	RXSB-8
			Sample Date:		04/25/2017	04/25/2017	04/25/2017	04/25/2017
			Sample Depth (ft bls):		8 - 10	0 - 2	5 - 7	0 - 2
			Normal or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
N-Butylbenzene	12000	100000	12000	UG/KG	1 U	1 U	0.96 U	0.98 U
N-Propylbenzene	3900	100000	3900	UG/KG	1 U	1 U	0.96 U	0.98 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	UG/KG	2 U	2 U	1.9 U	2 U
Sec-Butylbenzene	11000	100000	11000	UG/KG	1 U	1 U	0.96 U	0.98 U
Styrene	--	--	--	UG/KG	2 U	2 U	1.9 U	2 U
T-Butylbenzene	5900	100000	5900	UG/KG	5.1 U	5 U	4.8 U	4.9 U
Tert-Butyl Methyl Ether	930	100000	930	UG/KG	0.26 J	2 U	1.9 U	2 U
Tetrachloroethylene (PCE)	1300	19000	1300	UG/KG	1 U	1 U	0.96 U	0.55 J
Toluene	700	100000	700	UG/KG	1.5 U	1.5 U	1.4 U	1.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	UG/KG	1 U	1 U	0.96 U	0.98 U
Trans-1,2-Dichloroethene	190	100000	190	UG/KG	1.5 U	1.5 U	1.4 U	1.5 U
Trans-1,3-Dichloropropene	--	--	--	UG/KG	1 U	1 U	0.96 U	0.98 U
Trans-1,4-Dichloro-2-Butene	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
Trichloroethylene (TCE)	470	21000	470	UG/KG	1 U	1 U	0.96 U	0.98 U
Trichlorofluoromethane	--	--	--	UG/KG	5.1 U	5 U	4.8 U	4.9 U
Vinyl Acetate	--	--	--	UG/KG	10 U	10 U	9.6 U	9.8 U
Vinyl Chloride	20	900	20	UG/KG	2 U	2 U	1.9 U	2 U
Xylenes	260	100000	1600	UG/KG	2 U	2 U	1.9 U	2 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-8	RXSB-9	RXSB-10
				Sample Date:	04/25/2017	04/25/2017	04/25/2017
				Sample Depth (ft bls):	10 - 12	0 - 2	0 - 2
				Normal or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
1,1,1,2-Tetrachloroethane	--	--	--	UG/KG	1 U	0.94 U	0.92 U
1,1,1-Trichloroethane	680	100000	680	UG/KG	1 U	0.94 U	0.92 U
1,1,2,2-Tetrachloroethane	--	--	--	UG/KG	1 U	0.94 U	0.92 U
1,1,2-Trichloroethane	--	--	--	UG/KG	1.5 U	1.4 U	1.4 U
1,1-Dichloroethane	270	26000	270	UG/KG	1.5 U	1.4 U	1.4 U
1,1-Dichloroethene	330	100000	330	UG/KG	1 U	0.94 U	0.92 U
1,1-Dichloropropene	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
1,2,3-Trichlorobenzene	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
1,2,3-Trichloropropane	--	--	--	UG/KG	10 U	9.4 U	9.2 U
1,2,4,5-Tetramethylbenzene	--	--	--	UG/KG	4.1 U	3.8 U	3.7 U
1,2,4-Trichlorobenzene	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
1,2,4-Trimethylbenzene	3600	52000	3600	UG/KG	5.1 U	4.7 U	4.6 U
1,2-Dibromo-3-Chloropropane	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	UG/KG	4.1 U	3.8 U	3.7 U
1,2-Dichlorobenzene	1100	100000	1100	UG/KG	5.1 U	4.7 U	4.6 U
1,2-Dichloroethane	20	3100	20	UG/KG	1 U	0.94 U	0.92 U
1,2-Dichloropropane	--	--	--	UG/KG	3.6 U	3.3 U	3.2 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	52000	8400	UG/KG	5.1 U	4.7 U	4.6 U
1,3-Dichlorobenzene	2400	49000	2400	UG/KG	5.1 U	4.7 U	4.6 U
1,3-Dichloropropane	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
1,4-Dichlorobenzene	1800	13000	1800	UG/KG	5.1 U	4.7 U	4.6 U
1,4-Diethyl Benzene	--	--	--	UG/KG	4.1 U	3.8 U	3.7 U
1,4-Dioxane (P-Dioxane)	100	13000	100	UG/KG	41 U	38 U	37 U
2,2-Dichloropropane	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
2-Chlorotoluene	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
2-Hexanone	--	--	--	UG/KG	10 U	9.4 U	9.2 U
4-Chlorotoluene	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
4-Ethyltoluene	--	--	--	UG/KG	4.1 U	3.8 U	3.7 U
Acetone	50	100000	50	UG/KG	12	9.4 U	2.8 J

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-8	RXSB-9	RXSB-10
				Sample Date:	04/25/2017	04/25/2017	04/25/2017
				Sample Depth (ft bls):	10 - 12	0 - 2	0 - 2
				Normal or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Acrylonitrile	--	--	--	UG/KG	10 U	9.4 U	9.2 U
Benzene	60	4800	60	UG/KG	1 U	0.94 U	0.92 U
Bromobenzene	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
Bromochloromethane	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
Bromodichloromethane	--	--	--	UG/KG	1 U	0.94 U	0.92 U
Bromoform	--	--	--	UG/KG	4.1 U	3.8 U	3.7 U
Bromomethane	--	--	--	UG/KG	2 U	1.9 U	1.8 U
Carbon Disulfide	--	--	--	UG/KG	10 U	9.4 U	9.2 U
Carbon Tetrachloride	760	2400	760	UG/KG	1 U	0.94 U	0.92 U
Chlorobenzene	1100	100000	1100	UG/KG	1 U	0.94 U	0.92 U
Chloroethane	--	--	--	UG/KG	2 U	1.9 U	1.8 U
Chloroform	370	49000	370	UG/KG	1.5 U	1.4 U	1.4 U
Chloromethane	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
Cis-1,2-Dichloroethylene	250	100000	250	UG/KG	1 U	0.94 U	0.92 U
Cis-1,3-Dichloropropene	--	--	--	UG/KG	1 U	0.94 U	0.92 U
Cymene	--	--	--	UG/KG	1 U	0.94 U	0.92 U
Dibromochloromethane	--	--	--	UG/KG	1 U	0.94 U	0.92 U
Dibromomethane	--	--	--	UG/KG	10 U	9.4 U	9.2 U
Dichlorodifluoromethane	--	--	--	UG/KG	10 U	9.4 U	9.2 U
Dichloroethylenes	--	--	--	UG/KG	1 U	0.94 U	0.92 U
Diethyl Ether (Ethyl Ether)	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
Ethylbenzene	1000	41000	1000	UG/KG	1 U	0.94 U	0.92 U
Hexachlorobutadiene	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
Isopropylbenzene (Cumene)	--	--	--	UG/KG	1 U	0.94 U	0.92 U
m,p-Xylene	--	--	--	UG/KG	2 U	1.9 U	1.8 U
Methyl Ethyl Ketone (2-Butanone)	120	100000	120	UG/KG	2.3 J	9.4 U	9.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	UG/KG	10 U	9.4 U	9.2 U
Methylene Chloride	50	100000	50	UG/KG	10 U	9.4 U	9.2 U
Naphthalene	12000	100000	12000	UG/KG	5.1 U	0.15 J	4.6 U

Table 2. Summary of Volatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-8	RXSB-9	RXSB-10
				Sample Date:	04/25/2017	04/25/2017	04/25/2017
				Sample Depth (ft bls):	10 - 12	0 - 2	0 - 2
				Normal or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
N-Butylbenzene	12000	100000	12000	UG/KG	1 U	0.94 U	0.92 U
N-Propylbenzene	3900	100000	3900	UG/KG	1 U	0.94 U	0.92 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	UG/KG	2 U	1.9 U	1.8 U
Sec-Butylbenzene	11000	100000	11000	UG/KG	1 U	0.94 U	0.92 U
Styrene	--	--	--	UG/KG	2 U	1.9 U	1.8 U
T-Butylbenzene	5900	100000	5900	UG/KG	5.1 U	4.7 U	4.6 U
Tert-Butyl Methyl Ether	930	100000	930	UG/KG	2 U	1.9 U	1.8 U
Tetrachloroethylene (PCE)	1300	19000	1300	UG/KG	1 U	0.94 U	0.92 U
Toluene	700	100000	700	UG/KG	1.5 U	1.4 U	1.4 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	UG/KG	1 U	0.94 U	0.92 U
Trans-1,2-Dichloroethene	190	100000	190	UG/KG	1.5 U	1.4 U	1.4 U
Trans-1,3-Dichloropropene	--	--	--	UG/KG	1 U	0.94 U	0.92 U
Trans-1,4-Dichloro-2-Butene	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
Trichloroethylene (TCE)	470	21000	470	UG/KG	1 U	0.94 U	0.92 U
Trichlorofluoromethane	--	--	--	UG/KG	5.1 U	4.7 U	4.6 U
Vinyl Acetate	--	--	--	UG/KG	10 U	9.4 U	9.2 U
Vinyl Chloride	20	900	20	UG/KG	2 U	1.9 U	1.8 U
Xylenes	260	100000	1600	UG/KG	2 U	1.9 U	1.8 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2
				Sample Date:	04/24/2017	04/25/2017	04/24/2017	04/25/2017
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	7 - 9
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
1,2,4,5-Tetrachlorobenzene	--	--	--	UG/KG	180 U	170 U	180 U	180 U
1,2,4-Trichlorobenzene	--	--	--	UG/KG	180 U	170 U	180 U	180 U
1,2-Dichlorobenzene	1100	100000	1100	UG/KG	180 U	170 U	180 U	180 U
1,3-Dichlorobenzene	2400	49000	2400	UG/KG	180 U	170 U	180 U	180 U
1,4-Dichlorobenzene	1800	13000	1800	UG/KG	180 U	170 U	180 U	180 U
2,4,5-Trichlorophenol	--	--	--	UG/KG	180 U	170 U	180 U	180 U
2,4,6-Trichlorophenol	--	--	--	UG/KG	110 U	100 U	110 U	110 U
2,4-Dichlorophenol	--	--	--	UG/KG	160 U	150 U	170 U	160 U
2,4-Dimethylphenol	--	--	--	UG/KG	180 U	170 U	180 U	180 U
2,4-Dinitrophenol	--	--	--	UG/KG	880 U	820 U	890 U	880 U
2,4-Dinitrotoluene	--	--	--	UG/KG	180 U	170 U	180 U	180 U
2,6-Dinitrotoluene	--	--	--	UG/KG	180 U	170 U	180 U	180 U
2-Chloronaphthalene	--	--	--	UG/KG	180 U	170 U	180 U	180 U
2-Chlorophenol	--	--	--	UG/KG	180 U	170 U	180 U	180 U
2-Methylnaphthalene	--	--	--	UG/KG	220 U	210 U	220 U	220 U
2-Methylphenol (O-Cresol)	330	100000	330	UG/KG	180 U	170 U	180 U	180 U
2-Nitroaniline	--	--	--	UG/KG	180 U	170 U	180 U	180 U
2-Nitrophenol	--	--	--	UG/KG	400 U	370 U	400 U	390 U
3- And 4- Methylphenol (Total)	330	100000	330	UG/KG	260 U	250 U	270 U	260 U
3,3'-Dichlorobenzidine	--	--	--	UG/KG	180 U	170 U	180 U	180 U
3-Nitroaniline	--	--	--	UG/KG	180 U	170 U	180 U	180 U
4,6-Dinitro-2-Methylphenol	--	--	--	UG/KG	480 U	450 U	480 U	470 U
4-Bromophenyl Phenyl Ether	--	--	--	UG/KG	180 U	170 U	180 U	180 U
4-Chloro-3-Methylphenol	--	--	--	UG/KG	180 U	170 U	180 U	180 U
4-Chloroaniline	--	--	--	UG/KG	180 U	170 U	180 U	180 U
4-Chlorophenyl Phenyl Ether	--	--	--	UG/KG	180 U	170 U	180 U	180 U
4-Nitroaniline	--	--	--	UG/KG	180 U	170 U	180 U	180 U
4-Nitrophenol	--	--	--	UG/KG	260 U	240 U	260 U	260 U
Acenaphthene	20000	100000	98000	UG/KG	150 U	140 U	31 J	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-1	RXSB-1	RXSB-2	RXSB-2
			Sample Date:		04/24/2017	04/25/2017	04/24/2017	04/25/2017
			Sample Depth (ft bls):		0 - 2	8 - 10	0 - 2	7 - 9
			Normal or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Acenaphthylene	100000	100000	107000	UG/KG	150 U	140 U	150 U	150 U
Acetophenone	--	--	--	UG/KG	180 U	170 U	180 U	180 U
Anthracene	100000	100000	1000000	UG/KG	110 U	100 U	82 J	110 U
Benzo(A)Anthracene	**1000**	1000	1000	UG/KG	160	100 U	250	110 U
Benzo(A)Pyrene	**1000**	1000	22000	UG/KG	110 J	140 U	190	150 U
Benzo(B)Fluoranthene	**1000**	1000	1700	UG/KG	160	100 U	260	110 U
Benzo(G,H,I)Perylene	100000	100000	1000000	UG/KG	60 J	140 U	120 J	150 U
Benzo(K)Fluoranthene	**800**	3900	1700	UG/KG	66 J	100 U	95 J	110 U
Benzoic Acid	--	--	--	UG/KG	600 U	560 U	600 U	590 U
Benzyl Alcohol	--	--	--	UG/KG	180 U	170 U	180 U	180 U
Benzyl Butyl Phthalate	--	--	--	UG/KG	180 U	170 U	180 U	180 U
Biphenyl (Diphenyl)	--	--	--	UG/KG	420 U	390 U	420 U	420 U
Bis(2-Chloroethoxy) Methane	--	--	--	UG/KG	200 U	180 U	200 U	200 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	UG/KG	160 U	150 U	170 U	160 U
Bis(2-Chloroisopropyl) Ether	--	--	--	UG/KG	220 U	210 U	220 U	220 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	UG/KG	180 U	170 U	180 U	180 U
Carbazole	--	--	--	UG/KG	22 J	170 U	31 J	180 U
Chrysene	**1000**	3900	1000	UG/KG	180	100 U	250	110 U
Dibenz(A,H)Anthracene	**330**	330	1000000	UG/KG	23 J	100 U	35 J	110 U
Dibenzofuran	7000	59000	210000	UG/KG	180 U	170 U	180 U	180 U
Diethyl Phthalate	--	--	--	UG/KG	180 U	170 U	180 U	180 U
Dimethyl Phthalate	--	--	--	UG/KG	180 U	170 U	180 U	180 U
Di-N-Butyl Phthalate	--	--	--	UG/KG	180 U	170 U	180 U	180 U
Di-N-Octylphthalate	--	--	--	UG/KG	180 U	170 U	180 U	180 U
Fluoranthene	100000	100000	1000000	UG/KG	340	100 U	420	110 U
Fluorene	30000	100000	386000	UG/KG	180 U	170 U	33 J	180 U
Hexachlorobenzene	330	1200	3200	UG/KG	110 U	100 U	110 U	110 U
Hexachlorobutadiene	--	--	--	UG/KG	180 U	170 U	180 U	180 U
Hexachlorocyclopentadiene	--	--	--	UG/KG	530 U	490 U	530 U	520 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2
				Sample Date:	04/24/2017	04/25/2017	04/24/2017	04/25/2017
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	7 - 9
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Hexachloroethane	--	--	--	UG/KG	150 U	140 U	150 U	150 U
Indeno(1,2,3-C,D)Pyrene	**500**	500	8200	UG/KG	72 J	140 U	140 J	150 U
Isophorone	--	--	--	UG/KG	160 U	150 U	170 U	160 U
Naphthalene	12000	100000	12000	UG/KG	180 U	170 U	180 U	180 U
Nitrobenzene	--	--	--	UG/KG	160 U	150 U	170 U	160 U
N-Nitrosodi-N-Propylamine	--	--	--	UG/KG	180 U	170 U	180 U	180 U
N-Nitrosodiphenylamine	--	--	--	UG/KG	150 U	140 U	150 U	150 U
Pentachlorophenol	800	6700	800	UG/KG	150 U	140 U	150 U	150 U
Phenanthrene	100000	100000	1000000	UG/KG	210	100 U	330	110 U
Phenol	330	100000	330	UG/KG	180 U	170 U	180 U	180 U
Pyrene	100000	100000	1000000	UG/KG	300	100 U	380	110 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO

Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-3	RXSB-3	RXSB-4	RXSB-4
				Sample Date:	04/25/2017	04/26/2017	04/24/2017	04/24/2017
				Sample Depth (ft bls):	0 - 2	6 - 8	0 - 2	0 - 2
				Normal or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
1,2,4,5-Tetrachlorobenzene	--	--	--	UG/KG	190 U	190 U	890 U	890 U
1,2,4-Trichlorobenzene	--	--	--	UG/KG	190 U	190 U	890 U	890 U
1,2-Dichlorobenzene	1100	100000	1100	UG/KG	190 U	190 U	890 U	890 U
1,3-Dichlorobenzene	2400	49000	2400	UG/KG	190 U	190 U	890 U	890 U
1,4-Dichlorobenzene	1800	13000	1800	UG/KG	190 U	190 U	890 U	890 U
2,4,5-Trichlorophenol	--	--	--	UG/KG	190 U	190 U	890 U	890 U
2,4,6-Trichlorophenol	--	--	--	UG/KG	110 U	110 U	540 U	540 U
2,4-Dichlorophenol	--	--	--	UG/KG	170 U	170 U	800 U	800 U
2,4-Dimethylphenol	--	--	--	UG/KG	190 U	190 U	890 U	890 U
2,4-Dinitrophenol	--	--	--	UG/KG	900 U	900 U	4300 U	4300 U
2,4-Dinitrotoluene	--	--	--	UG/KG	190 U	190 U	890 U	890 U
2,6-Dinitrotoluene	--	--	--	UG/KG	190 U	190 U	890 U	890 U
2-Chloronaphthalene	--	--	--	UG/KG	190 U	190 U	890 U	890 U
2-Chlorophenol	--	--	--	UG/KG	190 U	190 U	890 U	890 U
2-Methylnaphthalene	--	--	--	UG/KG	50 J	220 U	220 J	240 J
2-Methylphenol (O-Cresol)	330	100000	330	UG/KG	190 U	190 U	890 U	890 U
2-Nitroaniline	--	--	--	UG/KG	190 U	190 U	890 U	890 U
2-Nitrophenol	--	--	--	UG/KG	410 U	400 U	1900 U	1900 U
3- And 4- Methylphenol (Total)	330	100000	330	UG/KG	270 U	270 U	1300 U	1300 U
3,3'-Dichlorobenzidine	--	--	--	UG/KG	190 U	190 U	890 U	890 U
3-Nitroaniline	--	--	--	UG/KG	190 U	190 U	890 U	890 U
4,6-Dinitro-2-Methylphenol	--	--	--	UG/KG	490 U	480 U	2300 U	2300 U
4-Bromophenyl Phenyl Ether	--	--	--	UG/KG	190 U	190 U	890 U	890 U
4-Chloro-3-Methylphenol	--	--	--	UG/KG	190 U	190 U	890 U	890 U
4-Chloroaniline	--	--	--	UG/KG	190 U	190 U	890 U	890 U
4-Chlorophenyl Phenyl Ether	--	--	--	UG/KG	190 U	190 U	890 U	890 U
4-Nitroaniline	--	--	--	UG/KG	190 U	190 U	890 U	890 U
4-Nitrophenol	--	--	--	UG/KG	260 U	260 U	1200 U	1200 U
Acenaphthene	20000	100000	98000	UG/KG	20 J	150 U	1300	1400

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-3	RXSB-3	RXSB-4	RXSB-4
			Sample Date:		04/25/2017	04/26/2017	04/24/2017	04/24/2017
			Sample Depth (ft bls):		0 - 2	6 - 8	0 - 2	0 - 2
			Normal or Field Duplicate:		N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Acenaphthylene	100000	100000	107000	UG/KG	150 U	150 U	710 U	710 U
Acetophenone	--	--	--	UG/KG	190 U	190 U	890 U	890 U
Anthracene	100000	100000	1000000	UG/KG	44 J	110 U	1700	1800
Benzo(A)Anthracene	**1000**	1000	1000	UG/KG	150	22 J	**4000**	**3600**
Benzo(A)Pyrene	**1000**	1000	22000	UG/KG	150	150 U	**3500**	**3300**
Benzo(B)Fluoranthene	**1000**	1000	1700	UG/KG	220	110 U	**4800**	**4200**
Benzo(G,H,I)Perylene	100000	100000	1000000	UG/KG	100 J	150 U	2100	1900
Benzo(K)Fluoranthene	**800**	3900	1700	UG/KG	76 J	110 U	**1500**	**1400**
Benzoic Acid	--	--	--	UG/KG	610 U	600 U	2900 U	2900 U
Benzyl Alcohol	--	--	--	UG/KG	190 U	190 U	890 U	890 U
Benzyl Butyl Phthalate	--	--	--	UG/KG	190 U	190 U	890 U	890 U
Biphenyl (Diphenyl)	--	--	--	UG/KG	430 U	420 U	2000 U	2000 U
Bis(2-Chloroethoxy) Methane	--	--	--	UG/KG	200 U	200 U	960 U	960 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	UG/KG	170 U	170 U	800 U	800 U
Bis(2-Chloroisopropyl) Ether	--	--	--	UG/KG	220 U	220 U	1100 U	1100 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	UG/KG	190 U	190 U	890 U	890 U
Carbazole	--	--	--	UG/KG	33 J	190 U	840 J	870 J
Chrysene	**1000**	3900	1000	UG/KG	160	110 U	**3500**	**3200**
Dibenz(A,H)Anthracene	**330**	330	1000000	UG/KG	26 J	110 U	**580**	**540**
Dibenzofuran	7000	59000	210000	UG/KG	190 U	190 U	470 J	520 J
Diethyl Phthalate	--	--	--	UG/KG	190 U	190 U	890 U	890 U
Dimethyl Phthalate	--	--	--	UG/KG	190 U	190 U	890 U	890 U
Di-N-Butyl Phthalate	--	--	--	UG/KG	190 U	190 U	890 U	890 U
Di-N-Octylphthalate	--	--	--	UG/KG	190 U	190 U	890 U	890 U
Fluoranthene	100000	100000	1000000	UG/KG	330	23 J	7900	7400
Fluorene	30000	100000	386000	UG/KG	190 U	190 U	900	980
Hexachlorobenzene	330	1200	3200	UG/KG	110 U	110 U	540 U	540 U
Hexachlorobutadiene	--	--	--	UG/KG	190 U	190 U	890 U	890 U
Hexachlorocyclopentadiene	--	--	--	UG/KG	540 U	530 U	2600 U	2600 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-3	RXSB-3	RXSB-4	RXSB-4
				Sample Date:	04/25/2017	04/26/2017	04/24/2017	04/24/2017
				Sample Depth (ft bls):	0 - 2	6 - 8	0 - 2	0 - 2
				Normal or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Hexachloroethane	--	--	--	UG/KG	150 U	150 U	710 U	710 U
Indeno(1,2,3-C,D)Pyrene	**500**	500	8200	UG/KG	110 J	150 U	**2500**	**2300**
Isophorone	--	--	--	UG/KG	170 U	170 U	800 U	800 U
Naphthalene	12000	100000	12000	UG/KG	41 J	190 U	730 J	900
Nitrobenzene	--	--	--	UG/KG	170 U	170 U	800 U	800 U
N-Nitrosodi-N-Propylamine	--	--	--	UG/KG	190 U	190 U	890 U	890 U
N-Nitrosodiphenylamine	--	--	--	UG/KG	150 U	150 U	710 U	710 U
Pentachlorophenol	800	6700	800	UG/KG	150 U	150 U	710 U	710 U
Phenanthrene	100000	100000	1000000	UG/KG	200	110 U	5600	5600
Phenol	330	100000	330	UG/KG	190 U	190 U	890 U	890 U
Pyrene	100000	100000	1000000	UG/KG	270	20 J	6300	5700

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-4	RXSB-5	RXSB-5	RXSB-6
				Sample Date:	04/25/2017	04/25/2017	04/26/2017	04/24/2017
				Sample Depth (ft bls):	11 - 13	0 - 2	5 - 6	0 - 2
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
1,2,4,5-Tetrachlorobenzene	--	--	--	UG/KG	170 U	190 U	180 U	180 U
1,2,4-Trichlorobenzene	--	--	--	UG/KG	170 U	190 U	180 U	180 U
1,2-Dichlorobenzene	1100	100000	1100	UG/KG	170 U	190 U	180 U	180 U
1,3-Dichlorobenzene	2400	49000	2400	UG/KG	170 U	190 U	180 U	180 U
1,4-Dichlorobenzene	1800	13000	1800	UG/KG	170 U	190 U	180 U	180 U
2,4,5-Trichlorophenol	--	--	--	UG/KG	170 U	190 U	180 U	180 U
2,4,6-Trichlorophenol	--	--	--	UG/KG	100 U	120 U	110 U	110 U
2,4-Dichlorophenol	--	--	--	UG/KG	160 U	180 U	160 U	160 U
2,4-Dimethylphenol	--	--	--	UG/KG	170 U	190 U	180 U	180 U
2,4-Dinitrophenol	--	--	--	UG/KG	830 U	940 U	880 U	860 U
2,4-Dinitrotoluene	--	--	--	UG/KG	170 U	190 U	180 U	180 U
2,6-Dinitrotoluene	--	--	--	UG/KG	170 U	190 U	180 U	180 U
2-Chloronaphthalene	--	--	--	UG/KG	170 U	190 U	180 U	180 U
2-Chlorophenol	--	--	--	UG/KG	170 U	190 U	180 U	180 U
2-Methylnaphthalene	--	--	--	UG/KG	210 U	230 U	220 U	34 J
2-Methylphenol (O-Cresol)	330	100000	330	UG/KG	170 U	190 U	180 U	180 U
2-Nitroaniline	--	--	--	UG/KG	170 U	190 U	180 U	180 U
2-Nitrophenol	--	--	--	UG/KG	370 U	420 U	390 U	390 U
3- And 4- Methylphenol (Total)	330	100000	330	UG/KG	250 U	280 U	260 U	260 U
3,3'-Dichlorobenzidine	--	--	--	UG/KG	170 U	190 U	180 U	180 U
3-Nitroaniline	--	--	--	UG/KG	170 U	190 U	180 U	180 U
4,6-Dinitro-2-Methylphenol	--	--	--	UG/KG	450 U	510 U	470 U	460 U
4-Bromophenyl Phenyl Ether	--	--	--	UG/KG	170 U	190 U	180 U	180 U
4-Chloro-3-Methylphenol	--	--	--	UG/KG	170 U	190 U	180 U	180 U
4-Chloroaniline	--	--	--	UG/KG	170 U	190 U	180 U	180 U
4-Chlorophenyl Phenyl Ether	--	--	--	UG/KG	170 U	190 U	180 U	180 U
4-Nitroaniline	--	--	--	UG/KG	170 U	190 U	180 U	180 U
4-Nitrophenol	--	--	--	UG/KG	240 U	270 U	260 U	250 U
Acenaphthene	20000	100000	98000	UG/KG	140 U	22 J	140 U	340

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-4	RXSB-5	RXSB-5	RXSB-6
			Sample Date:		04/25/2017	04/25/2017	04/26/2017	04/24/2017
			Sample Depth (ft bls):		11 - 13	0 - 2	5 - 6	0 - 2
			Normal or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Acenaphthylene	100000	100000	107000	UG/KG	140 U	160 U	140 U	140 U
Acetophenone	--	--	--	UG/KG	170 U	190 U	180 U	180 U
Anthracene	100000	100000	1000000	UG/KG	100 U	120 U	110 U	730
Benzo(A)Anthracene	**1000**	1000	1000	UG/KG	100 U	88 J	110 U	**1500**
Benzo(A)Pyrene	**1000**	1000	22000	UG/KG	140 U	78 J	140 U	1000
Benzo(B)Fluoranthene	**1000**	1000	1700	UG/KG	100 U	100 J	110 U	**1400**
Benzo(G,H,I)Perylene	100000	100000	1000000	UG/KG	140 U	47 J	140 U	510
Benzo(K)Fluoranthene	**800**	3900	1700	UG/KG	100 U	42 J	110 U	480
Benzoic Acid	--	--	--	UG/KG	560 U	630 U	590 U	580 U
Benzyl Alcohol	--	--	--	UG/KG	170 U	190 U	180 U	180 U
Benzyl Butyl Phthalate	--	--	--	UG/KG	170 U	190 U	180 U	180 U
Biphenyl (Diphenyl)	--	--	--	UG/KG	390 U	440 U	420 U	410 U
Bis(2-Chloroethoxy) Methane	--	--	--	UG/KG	190 U	210 U	200 U	190 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	UG/KG	160 U	180 U	160 U	160 U
Bis(2-Chloroisopropyl) Ether	--	--	--	UG/KG	210 U	230 U	220 U	210 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	UG/KG	170 U	190 U	180 U	180 U
Carbazole	--	--	--	UG/KG	170 U	190 U	180 U	160 J
Chrysene	**1000**	3900	1000	UG/KG	100 U	84 J	110 U	**1300**
Dibenz(A,H)Anthracene	**330**	330	1000000	UG/KG	100 U	120 U	110 U	140
Dibenzofuran	7000	59000	210000	UG/KG	170 U	190 U	180 U	170 J
Diethyl Phthalate	--	--	--	UG/KG	170 U	190 U	180 U	180 U
Dimethyl Phthalate	--	--	--	UG/KG	170 U	190 U	180 U	180 U
Di-N-Butyl Phthalate	--	--	--	UG/KG	170 U	190 U	180 U	180 U
Di-N-Octylphthalate	--	--	--	UG/KG	170 U	190 U	180 U	180 U
Fluoranthene	100000	100000	1000000	UG/KG	100 U	180	110 U	3200
Fluorene	30000	100000	386000	UG/KG	170 U	190 U	180 U	310
Hexachlorobenzene	330	1200	3200	UG/KG	100 U	120 U	110 U	110 U
Hexachlorobutadiene	--	--	--	UG/KG	170 U	190 U	180 U	180 U
Hexachlorocyclopentadiene	--	--	--	UG/KG	500 U	560 U	520 U	510 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-4	RXSB-5	RXSB-5	RXSB-6
			Sample Date:		04/25/2017	04/25/2017	04/26/2017	04/24/2017
			Sample Depth (ft bls):		11 - 13	0 - 2	5 - 6	0 - 2
			Normal or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Hexachloroethane	--	--	--	UG/KG	140 U	160 U	140 U	140 U
Indeno(1,2,3-C,D)Pyrene	**500**	500	8200	UG/KG	140 U	59 J	140 U	**580**
Isophorone	--	--	--	UG/KG	160 U	180 U	160 U	160 U
Naphthalene	12000	100000	12000	UG/KG	170 U	190 U	180 U	27 J
Nitrobenzene	--	--	--	UG/KG	160 U	180 U	160 U	160 U
N-Nitrosodi-N-Propylamine	--	--	--	UG/KG	170 U	190 U	180 U	180 U
N-Nitrosodiphenylamine	--	--	--	UG/KG	140 U	160 U	140 U	140 U
Pentachlorophenol	800	6700	800	UG/KG	140 U	160 U	140 U	140 U
Phenanthrene	100000	100000	1000000	UG/KG	100 U	130	110 U	3600
Phenol	330	100000	330	UG/KG	170 U	190 U	180 U	180 U
Pyrene	100000	100000	1000000	UG/KG	100 U	140	110 U	2700

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-6	RXSB-7	RXSB-7	RXSB-8
			Sample Date:		04/25/2017	04/25/2017	04/25/2017	04/25/2017
			Sample Depth (ft bls):		8 - 10	0 - 2	5 - 7	0 - 2
			Normal or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
1,2,4,5-Tetrachlorobenzene	--	--	--	UG/KG	190 U	370 U	180 U	180 U
1,2,4-Trichlorobenzene	--	--	--	UG/KG	190 U	370 U	180 U	180 U
1,2-Dichlorobenzene	1100	100000	1100	UG/KG	190 U	370 U	180 U	180 U
1,3-Dichlorobenzene	2400	49000	2400	UG/KG	190 U	370 U	180 U	180 U
1,4-Dichlorobenzene	1800	13000	1800	UG/KG	190 U	370 U	180 U	180 U
2,4,5-Trichlorophenol	--	--	--	UG/KG	190 U	370 U	180 U	180 U
2,4,6-Trichlorophenol	--	--	--	UG/KG	120 U	220 U	110 U	110 U
2,4-Dichlorophenol	--	--	--	UG/KG	170 U	330 U	170 U	160 U
2,4-Dimethylphenol	--	--	--	UG/KG	190 U	370 U	180 U	180 U
2,4-Dinitrophenol	--	--	--	UG/KG	930 U	1800 U	890 U	880 U
2,4-Dinitrotoluene	--	--	--	UG/KG	190 U	370 U	180 U	180 U
2,6-Dinitrotoluene	--	--	--	UG/KG	190 U	370 U	180 U	180 U
2-Chloronaphthalene	--	--	--	UG/KG	190 U	370 U	180 U	180 U
2-Chlorophenol	--	--	--	UG/KG	190 U	370 U	180 U	180 U
2-Methylnaphthalene	--	--	--	UG/KG	230 U	440 U	220 U	220 U
2-Methylphenol (O-Cresol)	330	100000	330	UG/KG	190 U	370 U	180 U	180 U
2-Nitroaniline	--	--	--	UG/KG	190 U	370 U	180 U	180 U
2-Nitrophenol	--	--	--	UG/KG	420 U	800 U	400 U	400 U
3- And 4- Methylphenol (Total)	330	100000	330	UG/KG	280 U	530 U	270 U	260 U
3,3'-Dichlorobenzidine	--	--	--	UG/KG	190 U	370 U	180 U	180 U
3-Nitroaniline	--	--	--	UG/KG	190 U	370 U	180 U	180 U
4,6-Dinitro-2-Methylphenol	--	--	--	UG/KG	500 U	960 U	480 U	480 U
4-Bromophenyl Phenyl Ether	--	--	--	UG/KG	190 U	370 U	180 U	180 U
4-Chloro-3-Methylphenol	--	--	--	UG/KG	190 U	370 U	180 U	180 U
4-Chloroaniline	--	--	--	UG/KG	190 U	370 U	180 U	180 U
4-Chlorophenyl Phenyl Ether	--	--	--	UG/KG	190 U	370 U	180 U	180 U
4-Nitroaniline	--	--	--	UG/KG	190 U	370 U	180 U	180 U
4-Nitrophenol	--	--	--	UG/KG	270 U	520 U	260 U	260 U
Acenaphthene	20000	100000	98000	UG/KG	160 U	300 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-6	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	04/25/2017	04/25/2017	04/25/2017	04/25/2017
				Sample Depth (ft bls):	8 - 10	0 - 2	5 - 7	0 - 2
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Acenaphthylene	100000	100000	107000	UG/KG	160 U	300 U	150 U	150 U
Acetophenone	--	--	--	UG/KG	190 U	370 U	180 U	180 U
Anthracene	100000	100000	1000000	UG/KG	120 U	220 U	110 U	110 U
Benzo(A)Anthracene	**1000**	1000	1000	UG/KG	120 U	220 U	110 U	110 U
Benzo(A)Pyrene	**1000**	1000	22000	UG/KG	160 U	300 U	150 U	150 U
Benzo(B)Fluoranthene	**1000**	1000	1700	UG/KG	120 U	220 U	110 U	110 U
Benzo(G,H,I)Perylene	100000	100000	1000000	UG/KG	160 U	300 U	150 U	150 U
Benzo(K)Fluoranthene	**800**	3900	1700	UG/KG	120 U	220 U	110 U	110 U
Benzoic Acid	--	--	--	UG/KG	630 U	1200 U	600 U	590 U
Benzyl Alcohol	--	--	--	UG/KG	190 U	370 U	180 U	180 U
Benzyl Butyl Phthalate	--	--	--	UG/KG	190 U	370 U	180 U	180 U
Biphenyl (Diphenyl)	--	--	--	UG/KG	440 U	840 U	420 U	420 U
Bis(2-Chloroethoxy) Methane	--	--	--	UG/KG	210 U	400 U	200 U	200 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	UG/KG	170 U	330 U	170 U	160 U
Bis(2-Chloroisopropyl) Ether	--	--	--	UG/KG	230 U	440 U	220 U	220 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	UG/KG	190 U	370 U	180 U	180 U
Carbazole	--	--	--	UG/KG	190 U	370 U	180 U	180 U
Chrysene	**1000**	3900	1000	UG/KG	120 U	220 U	110 U	110 U
Dibenz(A,H)Anthracene	**330**	330	1000000	UG/KG	120 U	220 U	110 U	110 U
Dibenzofuran	7000	59000	210000	UG/KG	190 U	370 U	180 U	180 U
Diethyl Phthalate	--	--	--	UG/KG	190 U	370 U	180 U	180 U
Dimethyl Phthalate	--	--	--	UG/KG	190 U	370 U	180 U	180 U
Di-N-Butyl Phthalate	--	--	--	UG/KG	190 U	370 U	180 U	180 U
Di-N-Octylphthalate	--	--	--	UG/KG	190 U	370 U	180 U	180 U
Fluoranthene	100000	100000	1000000	UG/KG	22 J	220 U	110 U	110 U
Fluorene	30000	100000	386000	UG/KG	190 U	370 U	180 U	180 U
Hexachlorobenzene	330	1200	3200	UG/KG	120 U	220 U	110 U	110 U
Hexachlorobutadiene	--	--	--	UG/KG	190 U	370 U	180 U	180 U
Hexachlorocyclopentadiene	--	--	--	UG/KG	560 U	1000 U	530 U	520 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-6	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	04/25/2017	04/25/2017	04/25/2017	04/25/2017
				Sample Depth (ft bls):	8 - 10	0 - 2	5 - 7	0 - 2
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Hexachloroethane	--	--	--	UG/KG	160 U	300 U	150 U	150 U
Indeno(1,2,3-C,D)Pyrene	**500**	500	8200	UG/KG	160 U	300 U	150 U	150 U
Isophorone	--	--	--	UG/KG	170 U	330 U	170 U	160 U
Naphthalene	12000	100000	12000	UG/KG	190 U	370 U	180 U	180 U
Nitrobenzene	--	--	--	UG/KG	170 U	330 U	170 U	160 U
N-Nitrosodi-N-Propylamine	--	--	--	UG/KG	190 U	370 U	180 U	180 U
N-Nitrosodiphenylamine	--	--	--	UG/KG	160 U	300 U	150 U	150 U
Pentachlorophenol	800	6700	800	UG/KG	160 U	300 U	150 U	150 U
Phenanthrene	100000	100000	1000000	UG/KG	120 U	220 U	110 U	110 U
Phenol	330	100000	330	UG/KG	190 U	370 U	180 U	180 U
Pyrene	100000	100000	1000000	UG/KG	22 J	220 U	110 U	110 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-8	RXSB-9	RXSB-10
				Sample Date:	04/25/2017	04/25/2017	04/25/2017
				Sample Depth (ft bls):	10 - 12	0 - 2	0 - 2
				Normal or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
1,2,4,5-Tetrachlorobenzene	--	--	--	UG/KG	190 U	380 U	370 U
1,2,4-Trichlorobenzene	--	--	--	UG/KG	190 U	380 U	370 U
1,2-Dichlorobenzene	1100	100000	1100	UG/KG	190 U	380 U	370 U
1,3-Dichlorobenzene	2400	49000	2400	UG/KG	190 U	380 U	370 U
1,4-Dichlorobenzene	1800	13000	1800	UG/KG	190 U	380 U	370 U
2,4,5-Trichlorophenol	--	--	--	UG/KG	190 U	380 U	370 U
2,4,6-Trichlorophenol	--	--	--	UG/KG	110 U	230 U	220 U
2,4-Dichlorophenol	--	--	--	UG/KG	170 U	350 U	330 U
2,4-Dimethylphenol	--	--	--	UG/KG	190 U	380 U	370 U
2,4-Dinitrophenol	--	--	--	UG/KG	900 U	1800 U	1800 U
2,4-Dinitrotoluene	--	--	--	UG/KG	190 U	380 U	370 U
2,6-Dinitrotoluene	--	--	--	UG/KG	190 U	380 U	370 U
2-Chloronaphthalene	--	--	--	UG/KG	190 U	380 U	370 U
2-Chlorophenol	--	--	--	UG/KG	190 U	380 U	370 U
2-Methylnaphthalene	--	--	--	UG/KG	220 U	71 J	440 U
2-Methylphenol (O-Cresol)	330	100000	330	UG/KG	190 U	380 U	370 U
2-Nitroaniline	--	--	--	UG/KG	190 U	380 U	370 U
2-Nitrophenol	--	--	--	UG/KG	400 U	830 U	800 U
3- And 4- Methylphenol (Total)	330	100000	330	UG/KG	270 U	560 U	530 U
3,3'-Dichlorobenzidine	--	--	--	UG/KG	190 U	380 U	370 U
3-Nitroaniline	--	--	--	UG/KG	190 U	380 U	370 U
4,6-Dinitro-2-Methylphenol	--	--	--	UG/KG	490 U	1000 U	960 U
4-Bromophenyl Phenyl Ether	--	--	--	UG/KG	190 U	380 U	370 U
4-Chloro-3-Methylphenol	--	--	--	UG/KG	190 U	380 U	370 U
4-Chloroaniline	--	--	--	UG/KG	190 U	380 U	370 U
4-Chlorophenyl Phenyl Ether	--	--	--	UG/KG	190 U	380 U	370 U
4-Nitroaniline	--	--	--	UG/KG	190 U	380 U	370 U
4-Nitrophenol	--	--	--	UG/KG	260 U	540 U	520 U
Acenaphthene	20000	100000	98000	UG/KG	150 U	64 J	300 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-8	RXSB-9	RXSB-10
				Sample Date:	04/25/2017	04/25/2017	04/25/2017
				Sample Depth (ft bls):	10 - 12	0 - 2	0 - 2
				Normal or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Acenaphthylene	100000	100000	107000	UG/KG	150 U	220 J	86 J
Acetophenone	--	--	--	UG/KG	190 U	380 U	370 U
Anthracene	100000	100000	1000000	UG/KG	110 U	350	220 U
Benzo(A)Anthracene	**1000**	1000	1000	UG/KG	110 U	750	120 J
Benzo(A)Pyrene	**1000**	1000	22000	UG/KG	150 U	620	130 J
Benzo(B)Fluoranthene	**1000**	1000	1700	UG/KG	110 U	710	150 J
Benzo(G,H,I)Perylene	100000	100000	1000000	UG/KG	150 U	330	100 J
Benzo(K)Fluoranthene	**800**	3900	1700	UG/KG	110 U	200 J	220 U
Benzoic Acid	--	--	--	UG/KG	610 U	1200 U	1200 U
Benzyl Alcohol	--	--	--	UG/KG	190 U	380 U	370 U
Benzyl Butyl Phthalate	--	--	--	UG/KG	190 U	380 U	370 U
Biphenyl (Diphenyl)	--	--	--	UG/KG	430 U	880 U	840 U
Bis(2-Chloroethoxy) Methane	--	--	--	UG/KG	200 U	420 U	400 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	UG/KG	170 U	350 U	330 U
Bis(2-Chloroisopropyl) Ether	--	--	--	UG/KG	220 U	460 U	440 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	UG/KG	190 U	380 U	370 U
Carbazole	--	--	--	UG/KG	190 U	380 U	370 U
Chrysene	**1000**	3900	1000	UG/KG	110 U	790	130 J
Dibenz(A,H)Anthracene	**330**	330	1000000	UG/KG	110 U	93 J	220 U
Dibenzofuran	7000	59000	210000	UG/KG	190 U	380 U	370 U
Diethyl Phthalate	--	--	--	UG/KG	190 U	380 U	370 U
Dimethyl Phthalate	--	--	--	UG/KG	190 U	380 U	370 U
Di-N-Butyl Phthalate	--	--	--	UG/KG	190 U	380 U	370 U
Di-N-Octylphthalate	--	--	--	UG/KG	190 U	380 U	370 U
Fluoranthene	100000	100000	1000000	UG/KG	110 U	1100	170 J
Fluorene	30000	100000	386000	UG/KG	190 U	160 J	370 U
Hexachlorobenzene	330	1200	3200	UG/KG	110 U	230 U	220 U
Hexachlorobutadiene	--	--	--	UG/KG	190 U	380 U	370 U
Hexachlorocyclopentadiene	--	--	--	UG/KG	540 U	1100 U	1000 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-8	RXSB-9	RXSB-10
				Sample Date:	04/25/2017	04/25/2017	04/25/2017
				Sample Depth (ft bls):	10 - 12	0 - 2	0 - 2
				Normal or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Hexachloroethane	--	--	--	UG/KG	150 U	310 U	300 U
Indeno(1,2,3-C,D)Pyrene	**500**	500	8200	UG/KG	150 U	310	80 J
Isophorone	--	--	--	UG/KG	170 U	350 U	330 U
Naphthalene	12000	100000	12000	UG/KG	190 U	48 J	370 U
Nitrobenzene	--	--	--	UG/KG	170 U	350 U	330 U
N-Nitrosodi-N-Propylamine	--	--	--	UG/KG	190 U	380 U	370 U
N-Nitrosodiphenylamine	--	--	--	UG/KG	150 U	310 U	300 U
Pentachlorophenol	800	6700	800	UG/KG	150 U	310 U	300 U
Phenanthrene	100000	100000	1000000	UG/KG	110 U	790	120 J
Phenol	330	100000	330	UG/KG	190 U	380 U	370 U
Pyrene	100000	100000	1000000	UG/KG	110 U	1500	210 J

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 4. Summary of Metals in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-3	RXSB-3
			Sample Date:	04/24/2017	04/25/2017	04/24/2017	04/25/2017	04/25/2017	04/26/2017
			Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	7 - 9	0 - 2	6 - 8
			Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aluminum	--	--	--	MG/KG	8200	11000	5500	9500	6900	6100
Antimony	--	--	--	MG/KG	4.2 U	4 U	4.4 U	4.4 U	4.3 U	4.3 U
Arsenic	**13**	16	16	MG/KG	2.9	0.8 U	5.5	1.5	**18**	0.87
Barium	350	400	820	MG/KG	72	110	95	73	100	60
Beryllium	7.2	72	47	MG/KG	0.28 J	0.4 U	0.26 J	0.07 J	0.48	0.31 J
Cadmium	2.5	4.3	7.5	MG/KG	0.52 J	0.8 U	0.38 J	0.12 J	0.35 J	0.38 J
Calcium	--	--	--	MG/KG	45000	5200	87000	1700	22000	11000
Chromium, Total	30	180	--	MG/KG	18	21	12	22	17	14
Cobalt	--	--	--	MG/KG	9	8.6	5.8	9.5	7.3	7.5
Copper	**50**	270	1720	MG/KG	33	23	24	24	**64**	22
Iron	--	--	--	MG/KG	17000	16000	11000	19000	24000	12000
Lead	**63**	400	450	MG/KG	27	5.7	45	5.3	62	12
Magnesium	--	--	--	MG/KG	25000	4300	48000	3600	8700	7700
Manganese	1600	2000	2000	MG/KG	160	100	160	280	310	240
Mercury	0.18	0.81	0.73	MG/KG	0.03 J	0.07 U	0.06 J	0.07 U	0.1	0.02 J
Nickel	30	310	130	MG/KG	14	19	10	17	16	13
Potassium	--	--	--	MG/KG	3500	7600	1700	3600	1800	2000
Selenium	3.9	180	4	MG/KG	0.52 J	1.6 U	0.6 J	1.8 U	1.4 J	0.73 J
Silver	2	180	8.3	MG/KG	0.85 U	0.8 U	0.89 U	0.88 U	0.87 U	0.86 U
Sodium	--	--	--	MG/KG	120 J	87 J	260	100 J	140 J	100 J
Thallium	--	--	--	MG/KG	1.7 U	1.6 U	1.8 U	1.8 U	1.7 U	1.7 U
Vanadium	--	--	--	MG/KG	33	27	24	30	33	21
Zinc	**109**	10000	2480	MG/KG	92	56	63	55	**270**	37

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 4. Summary of Metals in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-4	RXSB-4	RXSB-4	RXSB-5	RXSB-5	RXSB-6
			Sample Date:		04/24/2017	04/24/2017	04/25/2017	04/25/2017	04/26/2017	04/24/2017
			Sample Depth (ft bls):		0 - 2	0 - 2	11 - 13	0 - 2	5 - 6	0 - 2
			Normal or Field Duplicate:		N	FD	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	4900	4900	11000	6700	4300	3500
Antimony	--	--	--	MG/KG	4.2 U	4.2 U	4.1 U	4.6 U	4.3 U	4.2 U
Arsenic	**13**	16	16	MG/KG	1.7	1.6	0.81 U	7.6	0.9	4.3
Barium	350	400	820	MG/KG	64	76	150	100	33	70
Beryllium	7.2	72	47	MG/KG	0.41 J	0.4 J	0.21 J	0.57	0.47	1.1
Cadmium	2.5	4.3	7.5	MG/KG	0.42 J	0.45 J	0.14 J	0.45 J	0.49 J	0.64 J
Calcium	--	--	--	MG/KG	30000	30000	1200	36000	60000	69000
Chromium, Total	30	180	--	MG/KG	14	14	22	14	12	19
Cobalt	--	--	--	MG/KG	7.3	7.6	10	7	5.1	12
Copper	**50**	270	1720	MG/KG	43	48	28	29	8.2	**190**
Iron	--	--	--	MG/KG	11000	11000	20000	19000	11000	15000
Lead	**63**	400	450	MG/KG	**64**	50	5.8	22	2.6 J	**150**
Magnesium	--	--	--	MG/KG	14000	14000	4000	15000	30000	23000
Manganese	1600	2000	2000	MG/KG	190	240	140	370	340	170
Mercury	0.18	0.81	0.73	MG/KG	0.06 J	0.07	0.07 U	0.08	0.07 U	0.03 J
Nickel	30	310	130	MG/KG	14	15	19	13	7.7	27
Potassium	--	--	--	MG/KG	2100	2200	6900	2000	1200	700
Selenium	3.9	180	4	MG/KG	0.5 J	0.6 J	1.6 U	1.8 U	0.7 J	0.83 J
Silver	2	180	8.3	MG/KG	0.84 U	0.84 U	0.81 U	0.92 U	0.86 U	0.84 U
Sodium	--	--	--	MG/KG	92 J	100 J	76 J	140 J	120 J	160 J
Thallium	--	--	--	MG/KG	1.7 U	1.7 U	1.6 U	1.8 U	1.7 U	1.7 U
Vanadium	--	--	--	MG/KG	21	22	29	27	17	16
Zinc	**109**	10000	2480	MG/KG	**210**	**230**	49	**120**	36	**1200**

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 4. Summary of Metals in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-6	RXSB-7	RXSB-7	RXSB-8	RXSB-8	RXSB-9
			Sample Date:		04/25/2017	04/25/2017	04/25/2017	04/25/2017	04/25/2017	04/25/2017
			Sample Depth (ft bls):		8 - 10	0 - 2	5 - 7	0 - 2	10 - 12	0 - 2
			Normal or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	6400	8000	6400	8700	6700	9700
Antimony	--	--	--	MG/KG	4.7 U	4.3 U	4.4 U	4.2 U	4.4 U	4.5 U
Arsenic	**13**	16	16	MG/KG	0.4 J	0.39 J	0.46 J	0.85 U	0.21 J	0.63 J
Barium	350	400	820	MG/KG	73	72	57	88	64	79
Beryllium	7.2	72	47	MG/KG	0.48	0.17 J	0.23 J	0.17 J	0.24 J	0.17 J
Cadmium	2.5	4.3	7.5	MG/KG	0.15 J	0.1 J	0.17 J	0.14 J	0.19 J	0.14 J
Calcium	--	--	--	MG/KG	7600	2100	22000	15000	33000	4400
Chromium, Total	30	180	--	MG/KG	21	19	15	20	24	23
Cobalt	--	--	--	MG/KG	9.1	7.7	6.2	8	7.1	8
Copper	**50**	270	1720	MG/KG	**72**	21	19	24	19	21
Iron	--	--	--	MG/KG	16000	14000	16000	15000	15000	16000
Lead	**63**	400	450	MG/KG	49	5.2	3.8 J	4.8	4.2 J	9.6
Magnesium	--	--	--	MG/KG	4600	3400	13000	10000	17000	4300
Manganese	1600	2000	2000	MG/KG	220	290	270	270	380	290
Mercury	0.18	0.81	0.73	MG/KG	0.07 U	0.07 U	0.07 U	0.02 J	0.07 U	0.07 U
Nickel	30	310	130	MG/KG	17	16	12	15	14	17
Potassium	--	--	--	MG/KG	2300	3000	2400	4000	2800	3100
Selenium	3.9	180	4	MG/KG	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U
Silver	2	180	8.3	MG/KG	0.93 U	0.86 U	0.89 U	0.85 U	0.89 U	0.9 U
Sodium	--	--	--	MG/KG	120 J	120 J	190	110 J	150 J	260
Thallium	--	--	--	MG/KG	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U
Vanadium	--	--	--	MG/KG	26	26	24	27	23	29
Zinc	**109**	10000	2480	MG/KG	**440**	37	33	43	35	44

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 4. Summary of Metals in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-10
			Sample Date:		04/25/2017
			Sample Depth (ft bls):		0 - 2
			Normal or Field Duplicate:		N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	
Aluminum	--	--	--	MG/KG	5700
Antimony	--	--	--	MG/KG	4.4 U
Arsenic	**13**	16	16	MG/KG	0.46 J
Barium	350	400	820	MG/KG	62
Beryllium	7.2	72	47	MG/KG	0.1 J
Cadmium	2.5	4.3	7.5	MG/KG	0.21 J
Calcium	--	--	--	MG/KG	16000
Chromium, Total	30	180	--	MG/KG	12
Cobalt	--	--	--	MG/KG	5.9
Copper	**50**	270	1720	MG/KG	23
Iron	--	--	--	MG/KG	11000
Lead	**63**	400	450	MG/KG	14
Magnesium	--	--	--	MG/KG	9000
Manganese	1600	2000	2000	MG/KG	230
Mercury	0.18	0.81	0.73	MG/KG	0.07 U
Nickel	30	310	130	MG/KG	12
Potassium	--	--	--	MG/KG	1900
Selenium	3.9	180	4	MG/KG	1.7 U
Silver	2	180	8.3	MG/KG	0.87 U
Sodium	--	--	--	MG/KG	130 J
Thallium	--	--	--	MG/KG	1.7 U
Vanadium	--	--	--	MG/KG	23
Zinc	**109**	10000	2480	MG/KG	39

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 5. Summary of Polychlorinated Biphenyls in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-3
			Sample Date:		04/24/2017	04/25/2017	04/24/2017	04/25/2017	04/25/2017
			Sample Depth (ft bls):		0 - 2	8 - 10	0 - 2	7 - 9	0 - 2
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
PCB-1016 (Aroclor 1016)	--	--	--	UG/KG	35 U	32.5 U	35.9 U	35.7 U	37.1 U
PCB-1221 (Aroclor 1221)	--	--	--	UG/KG	35 U	32.5 U	35.9 U	35.7 U	37.1 U
PCB-1232 (Aroclor 1232)	--	--	--	UG/KG	35 U	32.5 U	35.9 U	35.7 U	37.1 U
PCB-1242 (Aroclor 1242)	--	--	--	UG/KG	35 U	32.5 U	35.9 U	35.7 U	37.1 U
PCB-1248 (Aroclor 1248)	--	--	--	UG/KG	35 U	32.5 U	35.9 U	35.7 U	37.1 U
PCB-1254 (Aroclor 1254)	--	--	--	UG/KG	35 U	32.5 U	17.2 J	35.7 U	37.1 U
PCB-1260 (Aroclor 1260)	--	--	--	UG/KG	35 U	32.5 U	4.82 J	35.7 U	37.1 U
PCB-1262 (Aroclor 1262)	--	--	--	UG/KG	35 U	32.5 U	35.9 U	35.7 U	37.1 U
PCB-1268 (Aroclor 1268)	--	--	--	UG/KG	35 U	32.5 U	35.9 U	35.7 U	37.1 U
Polychlorinated Biphenyl (PCBs)	100	1000	3200	UG/KG	35 U	32.5 U	22 J	35.7 U	37.1 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 5. Summary of Polychlorinated Biphenyls in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-3	RXSB-4	RXSB-4	RXSB-4	RXSB-5
			Sample Date:		04/26/2017	04/24/2017	04/24/2017	04/25/2017	04/25/2017
			Sample Depth (ft bls):		6 - 8	0 - 2	0 - 2	11 - 13	0 - 2
			Normal or Field Duplicate:		N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
PCB-1016 (Aroclor 1016)	--	--	--	UG/KG	35.7 U	35.4 U	35.1 U	33.8 U	37.7 U
PCB-1221 (Aroclor 1221)	--	--	--	UG/KG	35.7 U	35.4 U	35.1 U	33.8 U	37.7 U
PCB-1232 (Aroclor 1232)	--	--	--	UG/KG	35.7 U	35.4 U	35.1 U	33.8 U	37.7 U
PCB-1242 (Aroclor 1242)	--	--	--	UG/KG	35.7 U	35.4 U	35.1 U	33.8 U	37.7 U
PCB-1248 (Aroclor 1248)	--	--	--	UG/KG	35.7 U	35.4 U	35.1 U	33.8 U	37.7 U
PCB-1254 (Aroclor 1254)	--	--	--	UG/KG	35.7 U	13.3 J	27.6 J	33.8 U	37.7 U
PCB-1260 (Aroclor 1260)	--	--	--	UG/KG	35.7 U	5.7 J	8.75 J	33.8 U	37.7 U
PCB-1262 (Aroclor 1262)	--	--	--	UG/KG	35.7 U	35.4 U	35.1 U	33.8 U	37.7 U
PCB-1268 (Aroclor 1268)	--	--	--	UG/KG	35.7 U	35.4 U	35.1 U	33.8 U	37.7 U
Polychlorinated Biphenyl (PCBs)	100	1000	3200	UG/KG	35.7 U	19 J	36.4 J	33.8 U	37.7 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 5. Summary of Polychlorinated Biphenyls in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-5	RXSB-6	RXSB-6	RXSB-7	RXSB-7
			Sample Date:		04/26/2017	04/24/2017	04/25/2017	04/25/2017	04/25/2017
			Sample Depth (ft bls):		5 - 6	0 - 2	8 - 10	0 - 2	5 - 7
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
PCB-1016 (Aroclor 1016)	--	--	--	UG/KG	36.2 U	34.7 U	37.4 U	36.7 U	35.7 U
PCB-1221 (Aroclor 1221)	--	--	--	UG/KG	36.2 U	34.7 U	37.4 U	36.7 U	35.7 U
PCB-1232 (Aroclor 1232)	--	--	--	UG/KG	36.2 U	34.7 U	37.4 U	36.7 U	35.7 U
PCB-1242 (Aroclor 1242)	--	--	--	UG/KG	36.2 U	34.7 U	37.4 U	36.7 U	35.7 U
PCB-1248 (Aroclor 1248)	--	--	--	UG/KG	36.2 U	34.7 U	37.4 U	36.7 U	35.7 U
PCB-1254 (Aroclor 1254)	--	--	--	UG/KG	36.2 U	16.2 J	37.4 U	36.7 U	35.7 U
PCB-1260 (Aroclor 1260)	--	--	--	UG/KG	36.2 U	8.66 J	37.4 U	36.7 U	35.7 U
PCB-1262 (Aroclor 1262)	--	--	--	UG/KG	36.2 U	34.7 U	37.4 U	36.7 U	35.7 U
PCB-1268 (Aroclor 1268)	--	--	--	UG/KG	36.2 U	34.7 U	37.4 U	36.7 U	35.7 U
Polychlorinated Biphenyl (PCBs)	100	1000	3200	UG/KG	36.2 U	24.9 J	37.4 U	36.7 U	35.7 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 5. Summary of Polychlorinated Biphenyls in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-8	RXSB-8	RXSB-9	RXSB-10
			Sample Date:		04/25/2017	04/25/2017	04/25/2017	04/25/2017
			Sample Depth (ft bls):		0 - 2	10 - 12	0 - 2	0 - 2
			Normal or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
PCB-1016 (Aroclor 1016)	--	--	--	UG/KG	36.2 U	37.5 U	36.9 U	36 U
PCB-1221 (Aroclor 1221)	--	--	--	UG/KG	36.2 U	37.5 U	36.9 U	36 U
PCB-1232 (Aroclor 1232)	--	--	--	UG/KG	36.2 U	37.5 U	36.9 U	36 U
PCB-1242 (Aroclor 1242)	--	--	--	UG/KG	36.2 U	37.5 U	36.9 U	36 U
PCB-1248 (Aroclor 1248)	--	--	--	UG/KG	36.2 U	37.5 U	36.9 U	36 U
PCB-1254 (Aroclor 1254)	--	--	--	UG/KG	36.2 U	37.5 U	36.9 U	36 U
PCB-1260 (Aroclor 1260)	--	--	--	UG/KG	7.31 J	37.5 U	10 J	14.7 J
PCB-1262 (Aroclor 1262)	--	--	--	UG/KG	36.2 U	37.5 U	36.9 U	36 U
PCB-1268 (Aroclor 1268)	--	--	--	UG/KG	36.2 U	37.5 U	36.9 U	36 U
Polychlorinated Biphenyl (PCBs)	100	1000	3200	UG/KG	7.31 J	37.5 U	10 J	14.7 J

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 6. Summary of Pesticides and Herbicides in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2
				Sample Date:	04/24/2017	04/25/2017	04/24/2017
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2
				Normal or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Aldrin	5	97	190	UG/KG	1.71 U	1.58 U	1.77 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	20	UG/KG	0.712 U	0.657 U	0.739 U
Alpha Endosulfan	2400	24000	102000	UG/KG	1.71 U	1.58 U	1.77 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	90	UG/KG	1.71 U	1.58 U	1.77 U
Beta Endosulfan	2400	24000	102000	UG/KG	1.71 U	1.58 U	1.77 U
Chlordane	--	--	--	UG/KG	13.9 U	12.8 U	20.9 PI
cis-Chlordane	94	4200	2900	UG/KG	2.14 U	1.97 U	6.29 P
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	250	UG/KG	1.71 U	1.58 U	1.77 U
Dieldrin	5	200	100	UG/KG	1.07 U	0.986 U	1.11 U
Endosulfan Sulfate	2400	24000	1000000	UG/KG	0.712 U	0.657 U	0.739 U
Endrin	14	11000	60	UG/KG	0.418 J	0.657 U	0.739 U
Endrin Aldehyde	--	--	--	UG/KG	2.14 U	1.97 U	2.22 U
Endrin Ketone	--	--	--	UG/KG	1.71 U	1.58 U	1.77 U
Gamma Bhc (Lindane)	100	1300	100	UG/KG	0.712 U	0.657 U	0.739 U
Heptachlor	42	2100	380	UG/KG	0.855 U	0.789 U	0.887 U
Heptachlor Epoxide	--	--	--	UG/KG	3.21 U	2.96 U	3.33 U
Methoxychlor	--	--	--	UG/KG	3.21 U	2.96 U	3.33 U
P,P'-DDD	**3.3**	13000	14000	UG/KG	1.71 U	1.58 U	1.77 U
P,P'-DDE	**3.3**	8900	17000	UG/KG	0.868 J	1.58 U	1.77 U
P,P'-DDT	**3.3**	7900	136000	UG/KG	3.21 U	2.96 U	3.33 U
Toxaphene	--	--	--	UG/KG	32.1 U	29.6 U	33.3 U
trans-Chlordane	--	--	--	UG/KG	2.14 U	1.97 U	4.99 PI

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 6. Summary of Pesticides and Herbicides in Soil, 1221 Spofford Avenue, Bronx, New York

				Sample Designation:	RXSB-2	RXSB-3	RXSB-3
				Sample Date:	04/25/2017	04/25/2017	04/26/2017
				Sample Depth (ft bls):	7 - 9	0 - 2	6 - 8
				Normal or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Aldrin	5	97	190	UG/KG	1.74 U	1.73 U	1.74 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	20	UG/KG	0.727 U	0.722 U	0.726 U
Alpha Endosulfan	2400	24000	102000	UG/KG	1.74 U	1.73 U	1.74 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	90	UG/KG	1.74 U	1.73 U	1.74 U
Beta Endosulfan	2400	24000	102000	UG/KG	1.74 U	1.73 U	1.74 U
Chlordane	--	--	--	UG/KG	14.2 U	14.1 U	14.2 U
cis-Chlordane	94	4200	2900	UG/KG	2.18 U	2.16 U	2.18 U
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	250	UG/KG	1.74 U	1.73 U	1.74 U
Dieldrin	5	200	100	UG/KG	1.09 U	1.08 U	1.09 U
Endosulfan Sulfate	2400	24000	1000000	UG/KG	0.727 U	0.722 U	0.726 U
Endrin	14	11000	60	UG/KG	0.727 U	0.722 U	0.726 U
Endrin Aldehyde	--	--	--	UG/KG	2.18 U	2.16 U	2.18 U
Endrin Ketone	--	--	--	UG/KG	1.74 U	1.73 U	1.74 U
Gamma Bhc (Lindane)	100	1300	100	UG/KG	0.727 U	0.722 U	0.726 U
Heptachlor	42	2100	380	UG/KG	0.872 U	0.866 U	0.871 U
Heptachlor Epoxide	--	--	--	UG/KG	3.27 U	3.25 U	3.26 U
Methoxychlor	--	--	--	UG/KG	3.27 U	3.25 U	3.26 U
P,P'-DDD	**3.3**	13000	14000	UG/KG	1.74 U	1.73 U	1.74 U
P,P'-DDE	**3.3**	8900	17000	UG/KG	1.74 U	0.931 J	1.74 U
P,P'-DDT	**3.3**	7900	136000	UG/KG	3.27 U	3.25 U	3.26 U
Toxaphene	--	--	--	UG/KG	32.7 U	32.5 U	32.6 U
trans-Chlordane	--	--	--	UG/KG	0.607 JPI	1.19 JPI	1.65 J

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 6. Summary of Pesticides and Herbicides in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-4	RXSB-4	RXSB-4
			Sample Date:		04/24/2017	04/24/2017	04/25/2017
			Sample Depth (ft bls):		0 - 2	0 - 2	11 - 13
			Normal or Field Duplicate:		N	FD	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Aldrin	5	97	190	UG/KG	1.67 U	1.62 U	1.6 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	20	UG/KG	0.695 U	0.676 U	0.668 U
Alpha Endosulfan	2400	24000	102000	UG/KG	1.67 U	1.62 U	1.6 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	90	UG/KG	1.67 U	1.62 U	1.6 U
Beta Endosulfan	2400	24000	102000	UG/KG	0.815 J	1.52 J	1.6 U
Chlordane	--	--	--	UG/KG	13.5 U	13.2 U	13 U
cis-Chlordane	94	4200	2900	UG/KG	2.08 U	2.03 U	2 U
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	250	UG/KG	1.67 U	1.62 U	1.6 U
Dieldrin	5	200	100	UG/KG	1.04 U	1.01 U	1 U
Endosulfan Sulfate	2400	24000	1000000	UG/KG	0.444 JPI	0.676 U	0.668 U
Endrin	14	11000	60	UG/KG	0.695 U	0.676 U	0.668 U
Endrin Aldehyde	--	--	--	UG/KG	2.08 U	2.03 U	2 U
Endrin Ketone	--	--	--	UG/KG	1.67 U	1.62 U	1.6 U
Gamma Bhc (Lindane)	100	1300	100	UG/KG	0.695 U	0.676 U	0.668 U
Heptachlor	42	2100	380	UG/KG	0.834 U	0.811 U	0.802 U
Heptachlor Epoxide	--	--	--	UG/KG	3.13 U	3.04 U	3.01 U
Methoxychlor	--	--	--	UG/KG	3.13 U	3.04 U	3.01 U
P,P'-DDD	**3.3**	13000	14000	UG/KG	1.15 JPI	**4.57**	1.6 U
P,P'-DDE	**3.3**	8900	17000	UG/KG	1.67 U	1.62 U	1.6 U
P,P'-DDT	**3.3**	7900	136000	UG/KG	1.58 J	2.47 J	3.01 U
Toxaphene	--	--	--	UG/KG	31.3 U	30.4 U	30.1 U
trans-Chlordane	--	--	--	UG/KG	1.78 JPI	1.12 JPI	0.536 JPI

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 6. Summary of Pesticides and Herbicides in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-5	RXSB-5	RXSB-6
			Sample Date:		04/25/2017	04/26/2017	04/24/2017
			Sample Depth (ft bls):		0 - 2	5 - 6	0 - 2
			Normal or Field Duplicate:		N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Aldrin	5	97	190	UG/KG	1.76 U	1.74 U	1.63 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	20	UG/KG	0.735 U	0.727 U	0.681 U
Alpha Endosulfan	2400	24000	102000	UG/KG	1.76 U	1.74 U	1.63 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	90	UG/KG	1.76 U	1.74 U	1.63 U
Beta Endosulfan	2400	24000	102000	UG/KG	1.76 U	1.74 U	1.63 U
Chlordane	--	--	--	UG/KG	14.3 U	14.2 U	13.3 U
cis-Chlordane	94	4200	2900	UG/KG	2.21 U	0.641 J	2.04 U
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	250	UG/KG	1.76 U	1.74 U	1.63 U
Dieldrin	5	200	100	UG/KG	1.1 U	1.09 U	1.02 U
Endosulfan Sulfate	2400	24000	1000000	UG/KG	0.735 U	0.727 U	0.681 U
Endrin	14	11000	60	UG/KG	0.735 U	0.727 U	0.681 U
Endrin Aldehyde	--	--	--	UG/KG	2.21 U	2.18 U	2.04 U
Endrin Ketone	--	--	--	UG/KG	1.76 U	1.74 U	1.63 U
Gamma Bhc (Lindane)	100	1300	100	UG/KG	0.735 U	0.727 U	0.681 U
Heptachlor	42	2100	380	UG/KG	0.882 U	0.872 U	0.817 U
Heptachlor Epoxide	--	--	--	UG/KG	3.31 U	3.27 U	3.06 U
Methoxychlor	--	--	--	UG/KG	3.31 U	3.27 U	3.06 U
P,P'-DDD	**3.3**	13000	14000	UG/KG	1.76 U	**61.8**	1.09 J
P,P'-DDE	**3.3**	8900	17000	UG/KG	1.98	**76.6**	1.63 U
P,P'-DDT	**3.3**	7900	136000	UG/KG	2.5 J	**513**	1.33 J
Toxaphene	--	--	--	UG/KG	33.1 U	32.7 U	30.6 U
trans-Chlordane	--	--	--	UG/KG	0.693 JPI	0.859 JPI	1.27 JPI

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 6. Summary of Pesticides and Herbicides in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-6	RXSB-7	RXSB-7
			Sample Date:		04/25/2017	04/25/2017	04/25/2017
			Sample Depth (ft bls):		8 - 10	0 - 2	5 - 7
			Normal or Field Duplicate:		N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Aldrin	5	97	190	UG/KG	1.83 U	1.75 U	1.72 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	20	UG/KG	0.763 U	0.729 U	0.719 U
Alpha Endosulfan	2400	24000	102000	UG/KG	1.83 U	1.75 U	1.72 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	90	UG/KG	1.83 U	1.75 U	1.72 U
Beta Endosulfan	2400	24000	102000	UG/KG	1.83 U	1.75 U	1.72 U
Chlordane	--	--	--	UG/KG	14.9 U	14.2 U	14 U
cis-Chlordane	94	4200	2900	UG/KG	2.29 U	2.19 U	2.16 U
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	250	UG/KG	1.83 U	1.75 U	1.72 U
Dieldrin	5	200	100	UG/KG	1.14 U	1.09 U	1.08 U
Endosulfan Sulfate	2400	24000	1000000	UG/KG	0.763 U	0.729 U	0.719 U
Endrin	14	11000	60	UG/KG	0.763 U	0.729 U	0.719 U
Endrin Aldehyde	--	--	--	UG/KG	2.29 U	2.19 U	2.16 U
Endrin Ketone	--	--	--	UG/KG	1.83 U	1.75 U	1.72 U
Gamma Bhc (Lindane)	100	1300	100	UG/KG	0.763 U	0.729 U	0.719 U
Heptachlor	42	2100	380	UG/KG	0.916 U	0.874 U	0.863 U
Heptachlor Epoxide	--	--	--	UG/KG	3.43 U	3.28 U	3.23 U
Methoxychlor	--	--	--	UG/KG	3.43 U	3.28 U	3.23 U
P,P'-DDD	**3.3**	13000	14000	UG/KG	1.83 U	1.75 U	1.72 U
P,P'-DDE	**3.3**	8900	17000	UG/KG	1.83 U	1.75 U	1.72 U
P,P'-DDT	**3.3**	7900	136000	UG/KG	3.43 U	3.28 U	3.23 U
Toxaphene	--	--	--	UG/KG	34.3 U	32.8 U	32.3 U
trans-Chlordane	--	--	--	UG/KG	2.29 U	0.646 JPI	2.16 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 6. Summary of Pesticides and Herbicides in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-8	RXSB-8	RXSB-9
			Sample Date:		04/25/2017	04/25/2017	04/25/2017
			Sample Depth (ft bls):		0 - 2	10 - 12	0 - 2
			Normal or Field Duplicate:		N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Aldrin	5	97	190	UG/KG	1.79 U	1.75 U	1.79 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	20	UG/KG	0.745 U	0.73 U	0.744 U
Alpha Endosulfan	2400	24000	102000	UG/KG	1.79 U	1.75 U	1.79 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	90	UG/KG	1.79 U	1.75 U	1.79 U
Beta Endosulfan	2400	24000	102000	UG/KG	1.79 U	1.75 U	2.52 P
Chlordane	--	--	--	UG/KG	14.5 U	14.2 U	14.5 U
cis-Chlordane	94	4200	2900	UG/KG	2.23 U	2.19 U	2.23 U
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	250	UG/KG	1.79 U	1.75 U	1.79 U
Dieldrin	5	200	100	UG/KG	1.12 U	1.09 U	1.12 U
Endosulfan Sulfate	2400	24000	1000000	UG/KG	0.745 U	0.73 U	0.744 U
Endrin	14	11000	60	UG/KG	0.745 U	0.73 U	0.744 U
Endrin Aldehyde	--	--	--	UG/KG	2.23 U	2.19 U	2.91
Endrin Ketone	--	--	--	UG/KG	1.79 U	1.75 U	1.79 U
Gamma Bhc (Lindane)	100	1300	100	UG/KG	0.745 U	0.73 U	0.744 U
Heptachlor	42	2100	380	UG/KG	0.894 U	0.876 U	0.893 U
Heptachlor Epoxide	--	--	--	UG/KG	3.35 U	3.28 U	3.35 U
Methoxychlor	--	--	--	UG/KG	3.35 U	3.28 U	3.35 U
P,P'-DDD	**3.3**	13000	14000	UG/KG	1.79 U	1.75 U	1.79 U
P,P'-DDE	**3.3**	8900	17000	UG/KG	1.79 U	1.75 U	1.79 U
P,P'-DDT	**3.3**	7900	136000	UG/KG	3.35 U	3.28 U	**3.72 P**
Toxaphene	--	--	--	UG/KG	33.5 U	32.8 U	33.5 U
trans-Chlordane	--	--	--	UG/KG	2.23 U	2.19 U	1.44 JPI

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 6. Summary of Pesticides and Herbicides in Soil, 1221 Spofford Avenue, Bronx, New York

			Sample Designation:		RXSB-10
			Sample Date:		04/25/2017
			Sample Depth (ft bls):		0 - 2
			Normal or Field Duplicate:		N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	
Aldrin	5	97	190	UG/KG	1.73 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	20	UG/KG	0.72 U
Alpha Endosulfan	2400	24000	102000	UG/KG	1.73 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	90	UG/KG	1.73 U
Beta Endosulfan	2400	24000	102000	UG/KG	1.73 U
Chlordane	--	--	--	UG/KG	14 U
cis-Chlordane	94	4200	2900	UG/KG	2.16 U
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	250	UG/KG	1.73 U
Dieldrin	5	200	100	UG/KG	1.44
Endosulfan Sulfate	2400	24000	1000000	UG/KG	0.72 U
Endrin	14	11000	60	UG/KG	0.72 U
Endrin Aldehyde	--	--	--	UG/KG	1.61 J
Endrin Ketone	--	--	--	UG/KG	1.73 U
Gamma Bhc (Lindane)	100	1300	100	UG/KG	0.72 U
Heptachlor	42	2100	380	UG/KG	0.864 U
Heptachlor Epoxide	--	--	--	UG/KG	3.24 U
Methoxychlor	--	--	--	UG/KG	3.24 U
P,P'-DDD	**3.3**	13000	14000	UG/KG	1.73 U
P,P'-DDE	**3.3**	8900	17000	UG/KG	1.73 U
P,P'-DDT	**3.3**	7900	136000	UG/KG	3.24 U
Toxaphene	--	--	--	UG/KG	32.4 U
trans-Chlordane	--	--	--	UG/KG	0.712 JPI

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
FD - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Table 7. Summary of Volatile Organic Compounds in Sub-Slab and Soil Vapor, 1221 Spofford Avenue, Bronx, New York

Sample Designation:		RXSS-1	RXSV-1	RXSV-2	RXSV-3
Sample Date:		04/27/2017	04/26/2017	04/26/2017	04/26/2017
Parameter	Unit				
1,1,1-Trichloroethane	UG/M3	90.6 U	1.09 U	1.09 U	1.09 U
1,1,2,2-Tetrachloroethane	UG/M3	114 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	127 U	1.53 U	1.53 U	1.53 U
1,1,2-Trichloroethane	UG/M3	90.6 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	UG/M3	67.2 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	UG/M3	65.8 U	0.793 U	0.793 U	0.793 U
1,2,4-Trichlorobenzene	UG/M3	123 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	81.6 U	**2.26**	**1.51**	**2.87**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	128 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	UG/M3	99.8 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	67.2 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	UG/M3	76.7 U	0.924 U	0.924 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	116 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	81.6 U	**1.09**	0.983 U	**1.41**
1,3-Butadiene	UG/M3	36.7 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	UG/M3	99.8 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	99.8 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	59.8 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	UG/M3	77.5 U	**2.67**	0.934 U	**11**
2-Hexanone	UG/M3	68 U	**1.2**	**31.1**	0.82 U
4-Ethyltoluene	UG/M3	81.6 U	0.983 U	0.983 U	**1.19**
Acetone	UG/M3	197 U	**57**	**46.8**	**106**
Allyl Chloride (3-Chloropropene)	UG/M3	52 U	0.626 U	0.626 U	0.626 U
Benzene	UG/M3	**377**	**2.62**	**0.703**	**7.99**
Benzyl Chloride	UG/M3	86 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	UG/M3	111 U	1.34 U	1.34 U	1.34 U
Bromoform	UG/M3	172 U	2.07 U	2.07 U	2.07 U
Bromomethane	UG/M3	64.5 U	0.777 U	0.777 U	0.777 U
Carbon Disulfide	UG/M3	51.7 U	**16.6**	**1.86**	**67**
Carbon Tetrachloride	UG/M3	104 U	1.26 U	1.26 U	1.26 U
Chlorobenzene	UG/M3	76.4 U	0.921 U	0.921 U	0.921 U
Chloroethane	UG/M3	43.8 U	0.528 U	0.528 U	0.528 U
Chloroform	UG/M3	81.1 U	**2.25**	0.977 U	**4.25**
Chloromethane	UG/M3	34.3 U	0.413 U	0.413 U	**1.15**
Cis-1,2-Dichloroethylene	UG/M3	65.8 U	0.793 U	**0.956**	0.793 U
Cis-1,3-Dichloropropene	UG/M3	75.4 U	0.908 U	0.908 U	0.908 U

Table 7. Summary of Volatile Organic Compounds in Sub-Slab and Soil Vapor, 1221 Spofford Avenue, Bronx, New York

Sample Designation:		RXSS-1	RXSV-1	RXSV-2	RXSV-3
Sample Date:		04/27/2017	04/26/2017	04/26/2017	04/26/2017
Parameter	Unit				
Cyclohexane	UG/M3	**20200**	**1.66**	0.688 U	**5.61**
Dibromochloromethane	UG/M3	141 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	82.1 U	**1.82**	**1.66**	**2.71**
Ethanol	UG/M3	780 U	9.42 U	**15.7**	9.42 U
Ethyl Acetate	UG/M3	149 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	UG/M3	72.1 U	**1.38**	**1.54**	**1.66**
Hexachlorobutadiene	UG/M3	177 U	2.13 U	2.13 U	2.13 U
Isopropanol	UG/M3	102 U	**1.31**	1.23 U	1.23 U
m,p-Xylene	UG/M3	144 U	**3.74**	**5.08**	**4.52**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	122 U	**2.94**	**255**	**4.72**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	170 U	2.05 U	2.05 U	2.05 U
Methylene Chloride	UG/M3	144 U	1.74 U	1.74 U	**2.32**
N-Heptane	UG/M3	68 U	**3.2**	**1.53**	**12.6**
N-Hexane	UG/M3	58.5 U	**4.26**	**0.969**	**21.3**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	72.1 U	**1.08**	**1.49**	**1.12**
Propylene	UG/M3	**181**	NA	NA	NA
Styrene	UG/M3	70.7 U	**5.28**	**3.44**	**7.24**
Tert-Butyl Alcohol	UG/M3	NA	**4.91**	1.52 U	1.52 U
Tert-Butyl Methyl Ether	UG/M3	59.8 U	0.721 U	0.721 U	0.721 U
Tetrachloroethylene (PCE)	UG/M3	113 U	**5.15**	1.36 U	**7.26**
Tetrahydrofuran	UG/M3	122 U	1.47 U	1.47 U	1.47 U
Toluene	UG/M3	62.6 U	**11.4**	**8.44**	**19.3**
Trans-1,2-Dichloroethene	UG/M3	65.8 U	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene	UG/M3	75.4 U	0.908 U	0.908 U	0.908 U
Trichloroethylene (TCE)	UG/M3	89.2 U	1.07 U	**1.75**	1.07 U
Trichlorofluoromethane	UG/M3	93.3 U	**1.73**	1.12 U	**2.91**
Vinyl Acetate	UG/M3	292 U	NA	NA	NA
Vinyl Bromide	UG/M3	72.6 U	0.874 U	0.874 U	0.874 U
Vinyl Chloride	UG/M3	42.4 U	0.511 U	0.511 U	0.511 U

U - Indicates that the compound was analyzed for but not detected

NA - Compound was not analyzed for by laboratory

ug/m3 - Micrograms per cubic meter

Bold data indicates that parameter was detected

APPENDIX E

Section VI – Owner Operator

Appendix E – Previous Property Owners and Operators
The Peninsula
BCP Application - Section VI

The Site property owner is the City of New York and BCP application Requestor is the Peninsula JV, LLC. Ed Broderick is the designated agent of the Peninsula JV, LLC and is the Requestor's Authorized Representative. Neither the Requestor's authorized representative nor any of its corporate members have any relationship with the former owners and operators. Additional information is provided below.

FORMER OWNERS' INFORMATION

Address: 1221 Spofford Avenue, Bronx, NY

Block 2738, Lot 35 (formerly known as Lots 47, 50 – 60, 62, 64, 65, 69, 79, and 82)

Period	Lot	Owner	Relationship to Requestors
Unknown to 5/20/1868	Part of Lot 35 (f/k/a Lot 35)	Edward Young and Corinne Young *Contact Information Unknown*	None
5/20/1868 to Unknown	Part of Lot 35 (f/k/a Lot 35)	Oliver Bryah *Contact Information Unknown*	None
Unknown to 1914*	Part of Lot 35 (f/k/a Lot 35)	Pelham Land Co. *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 47)	David Block *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 49)	J.C. Clark *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 50)	M.Boehm *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 51)	M.Boehm *Contact Information Unknown*	None
1914*	Part of Lot 35	M.Boehm	None

Appendix E – Previous Property Owners and Operators
The Peninsula
BCP Application - Section VI

Period	Lot	Owner	Relationship to Requestors
	(f/k/a Lot 52)	*Contact Information Unknown*	
1914*	Part of Lot 35 (f/k/a Lot 53)	M.Boehm *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 54)	M.Boehm *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 55)	M.Boehm *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 56)	M.Boehm *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 57)	M.Boehm *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 58)	M.Boehm *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 59)	Gustav S. Boehm *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 60)	Corinne Young *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 62)	G. Taddeo *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 64)	David Block *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 65)	Corinne Young *Contact Information Unknown*	None

Appendix E – Previous Property Owners and Operators
The Peninsula
BCP Application - Section VI

Period	Lot	Owner	Relationship to Requestors
1914*	Part of Lot 35 (f/k/a Lot 69)	John O'Neil *Contact Information Unknown*	None
1914*	Part of Lot 35 (f/k/a Lot 73)	Unknown *Contact Information Unknown*	None
11/01/1950 to 12/11/1951	Part of Lot 35 (f/k/a Lots 50 - 58)	Perma Paving Company, Inc. Landing Road, Roslyn, NY	None
12/11/1951 to Current	All of Lot 35	The City of New York Administration for Children's Services 150 William Street, New York, NY 10038	None

Notes: ***** Lot ownership information source is from "The City Record-1914", the actual period of ownership is unknown.

The sources of the other lot ownership information provided in the above table is from property deeds.

Appendix E – Previous Property Owners and Operators
The Peninsula
BCP Application - Section VI

FORMER OPERATORS' INFORMATION

Address: 1221 Spofford Avenue, Bronx, NY

Block 2738, Lot 35

Year	Operator	Source	Operator Relationship to Owner
1896 to 1901	2-story assumed residential building *Contact information not available*	Historical Sanborn Map 1901	None
1901 to 1950	Two residential houses *Contact information not available*	Historical Sanborn Maps	None
1915 to 1949	Vairo E R Stone Setting *Contact information not available*	New York Telephone	None
1927 (period of operation unknown)	Hoberberg K Iaundry *Contact information not available*	New York Telephone	None
1940 (period of operation unknown)	Levitt Edw laundry *Contact information not available*	New York Telephone	None
1956 to 2011	Juvenile Detention Center – Operated by the City of New York Administration for Children's Services (ACS) 2501 Grand Concourse, Bronx, NY 10468	Historical Sanborn Maps & Property Deed	None
2011 to Present	Operated by the City of New York Vacant	Current Site Owner	None

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BOULEVARD
SOUTHERN
AVENUE
BARRETTO
TIFFANY
STREET
WHITLOCK
STREET
GARRISON
STREET
STREET
AVENUE
ROAD
STATION
HUNT'S POINT
SENECA AVE.
GILBERT PL.
POINT
AVENUE
LAFAYETTE
ST.
(LAFAYETTE ROAD)
BARRY
BURNET PL.
TIFFANY
CORPUS CHRISTI MONASTERY
(STONE WALLS & SLATE ROOF. WALLS NOT COPIED)
CHAPELS
(BROWN AVE.)
(OLD ROAD)
(WETMORE AVE.)
(FAILES LANE)
(FAILE MANSION)
RAILROAD (HARLEM RIVER BRANCH)
N.Y. NEW HAVEN & HARTFORD
BARRETTO
MANIDA
(HUNT'S POINT ROAD)
SPOFFORD
AVENUE
PARK
FA

2735 2734 2733 2740 2739 2738 2763

51 51 60 56 59 60

Scale of Feet

APPENDIX F

Section VII – Volunteer Statement

Appendix F – Volunteer Statement
The Peninsula
BCP Application - Section VII

Requestor Volunteer Statement

The Requestor qualifies as a Volunteer because (i) a phase 1 environmental site assessment was completed that satisfied the "all appropriate inquiries" requirements of 40 CFR 312 prior to taking title, (ii) all disposals of hazardous substances occurred prior to the time Requestor took possession to the brownfield site and (ii) the Requestors do not have any affiliation with any responsible party.

Requestor has exercised appropriate care by implementing additional investigations to determine the presence of contamination and has secured the site to prevent exposure to previously released hazardous substances. Requestor will continue to exercise appropriate care by implementing the requirements of the BCP. As such, the Requestors should be considered a Volunteer as defined in ECL 27-1405(1)(b).

NYCEDC
New York City Economic Development Corporation

CERTIFICATION
For DEC Application No.____ for Brownfield Tax Credits

The City of New York (the "City") is the current legal owner for the parcel included in the attached Brownfield Cleanup Program (BCP) application. Pursuant to the terms of the Amended and Restated Contract dated June 30, 2016 (as amended from time to time, the "Master Contract") between the City and the New York City Economic Development Corporation ("NYCEDC"), the City has retained NYCEDC to perform certain economic development services. In connection with those services, NYCEDC has issued a request for expressions of interest for a mixed use project on the parcel and executed a Pre Development Agreement with THE PENINSULA JV, LLC (the "Developer") for the Developer to undertake the mixed-use project at the Premises (the "Spofford Project"). In accordance with Section 3.01 of the Master Contract and in a letter dated March 8, 2017, the City granted NYCEDC permission to execute, on behalf of the City, as "owner" or "landlord" (and not in its governmental capacity) any permit applications, affidavits of ownership and other materials as may be requested by Developer that are to be submitted to governmental agencies in connection with the Premises and in furtherance of the Spofford Project. Pursuant to its role as an instrumentality of the City and the above, NYCEDC authorizes the Developer to be the Requestor under this BCP application, and, pursuant to the terms of a license agreement, the Developer has the necessary access to perform investigation activities on the site. In addition, for the duration of the period necessary to complete activities required under the BCP application, NYCEDC will facilitate (i) further necessary access to the Developer to the site to complete the required activities including remediation pursuant to the terms of an access agreement to be negotiated and (ii) an environmental easement on the site subject to land use approvals, if any.

Dated as of the 26 day of June, 2017.

NEW YORK CITY ECONOMIC
DEVELOPMENT CORPORATION

By: _____
Name: Charles Bendit
Title: Executive Vice President

APPENDIX G

Section VIII – Property Eligibility

Appendix G – Property Eligibility
The Peninsula
BCP Application - Section VII

Question 5. Cleanup Order Under Navigation Law Article 12 or ECL Article 17 Title 10

The proposed BCP Site is identified in a multi-site NYSDEC order on consent between the NYSDEC and the City of New York (DEC Case No R2-1112-99-08) dated November 1, 2010 for heating oil storage facilities that were alleged to be violation of Article 12 of the Navigation Law, Article 17 of the Environmental Conservation law of the State of New of York, and Parts 611 to 614 of the New York Codes, Rules & Regulations. According to correspondence with Madeline Warner, associate attorney for the NYSDEC Region 2 office, , this order does not preclude any portion of the Site from enrolling in the BCP because paragraph III.B.3 specifically provided that "Any petroleum spills previously reported to the DEC and covered under a separate written agreement between the City and the DEC prior to the effective date of this Order shall not be subject to this Order". Spill# 0812579 was reported to the NYSDEC on February 18, 2009 and a Remedial Action Work Plan (RAWP) was submitted to the NYSDEC in May 2010. Thus, the proposed BCP site was not subject to any cleanup pursuant to the Order and is eligible for the BCP.

APPENDIX H

Section IX – Contact List

Appendix H – Contact List Information

The Peninsula
BCP Application - Section IX

1. The Chief Executive Officer and Planning Board Chairperson of each County, City, Town and Village in which the Property is located:

Honorable Charles Schumer
United States Senate
780 Third Avenue, Suite 2301
New York, NY 10017

Honorable Kirsten E Gillibrand
United States Senate
780 Third Avenue, Suite 2601
New York, NY 10017

Hon. Carmen de La Rosa
NYS Assemblymember
210 Sherman Avenue, Suite A & C
New York, NY 10034

Hon. Adriano Espaillat
U.S. House of Representatives
163 West 125th Street
New York, NY 10027

Hon. Scott Stringer
NYC Comptroller
1 Centre Street
New York, NY 10007

Hon. Letitia James
Public Advocate
1 Centre Street, 15th Floor
New York, NY 10007

Ruben Diaz Jr.
Bronx Borough President
851 Grand Concourse #915
Bronx, NY 10451

Honorable Ruben Diaz
United States Senate, District 32
900 Rogers Place
Bronx, NY 10459

Carmen E. Arroyo
New York State Assembly, District 84
384 East 149 Street, Suite 301
Bronx, NY 10455

Congressman Jose E. Serrano
House of Representatives
District 15 – New York Office
1231 Lafayette Ave, 4th Floor
Bronx, NY 10474

Mayor Bill de Blasio
City Hall
New York, NY 10007

Rafael Salamanca Jr.
New York City Council District 17
1070 Southern Boulevard
Bronx, NY 10459

Mitchell J. Silver, Commissioner
New York City Department of Parks & Recreation
The Arsenal- Central Park
830 Fifth Avenue
New York, NY 10065

Carl Weisbrod, Director
Department of City Planning
120 Broadway, 31st Floor
New York, NY 10271

Appendix H – Contact List Information

The Peninsula
BCP Application - Section IX

2. Residents, Owners, and Occupants of properties adjacent to the Property:

Property Operator
Block 2738 Lot 35
Not Occupied

Property Owner
Block 2738 Lot 35
City Of New York (ACS)
150 William Street
New York, NY 10038

To the North
Block 2738 Lot 1
Owner/Operator: Corpus Christi Monastery
1230 Lafayette Avenue
Bronx, NY 10474

To the North and East
Block 2763 Lot 1 and 2
Owner: Department of General Services
765 Manida Street
Bronx, NY 10474
Mailing Address:
163 W 125th St #215
New York, NY 10027

To the East
Block 2263 Lot 29
La Peninsula Community Organization, Inc. Head Start
711 Manida Street,
Bronx, NY 10474
Owner: City of New York ACS
150 William Street
New York, NY 10038

To the West
Block 2737 Lot 102
Owner/Operator: ELRO II, Inc.
1165 Burnett Place
Bronx, NY 10474

Block 2737 Lot 129
Owner/Operator: New York Sport Foundation
1176 Burnett Place
Bronx, NY 10474

Appendix H – Contact List Information

The Peninsula
BCP Application - Section IX

Block 2737 Lot 130
Operator: JRG Auto Repair
709 Tiffany Street
Bronx, NY 10474
Owner: Sakb Realty Corp
1299 Jerome Ave
Bronx, NY 10452.

Block 2737 Lot 134
Owner/Operator: Bisola Distributor
95 Spofford Avenue
Bronx, NY 10474

To the South
Block 2765 Lot 78
Owner: 1202 Realty Associates
Manager: Jerome Associates LLC
1202 Spofford Avenue
Bronx, NY 10474

Block 2765 Lot 79
Owner: Hunts Point Housing Development Fund Corp.
Operators:
Dancers DreamZZZ and
The Almighty Dollar Store
667 Casanova Street
Bronx, NY 10474

Block 2765 Lot 138
Owner/Operator: Nunzio Del Frecco Realty
1220 Spofford Avenue
Bronx, NY 10474

Block 2765 Lot 140
Owner: 1230 Spofford Avenue HDFC
Manager: Joseph Bavaro, of Finger Management Corp.
20 Tuckahoe Rd
Yonkers, NY 10710
Operators:
1. Spofford Hills
1230 Spofford Avenue
Bronx, NY 10474
2. Happy Garden

Appendix H – Contact List Information

The Peninsula
BCP Application - Section IX

1236 Spofford Ave
Bronx, NY 10474
3. Nelly's Corp
1240 Spofford Avenue
Bronx, NY 10474

Block 2765 Lot 198
Owner: Melsy Realty Corp.
51 Chambers Street
New York, NY 10007

Operator: M&M Supermarket
670 Barretto Street
Bronx, NY 10474

3. Local News Media from which the Community typically obtains information:

Hunts Point Express

Bronx Times
P.O. Box 30023
Phoenix, AZ 85046
Phone:212-361-9395, or by sending an e-mail to **info@bronx.com**

New York Post
1211 Avenue of the Americas
New York, NY 10036
Phone: 212-930-8000

The Bronx Chronicle
25 Westchester Sq.
Suite 1
Bronx, NY 10462
Phone: 347-224-7635

4. The Public Water Supplier which services the area in which the Property is located:

New York City Department of Environmental Protection
Bureau of Water and Sewer Operations
1932 Arthur Ave
Bronx, NY 10457

5. Any Person who has requested to be placed on the Contact List:

We are unaware of any requests for inclusion on the contact list.

6. The Administrator of any School or Day Care Facility located on or near the Property:

La Peninsula Community Organization, Inc.
711 Manida St
Bronx, NY 10474
Mailing address:
1054 Intervale Avenue
Bronx, NY 10459
United States

Public School 048: Joseph R. Drake
Principal, Dwayne D'Avilar
1290 Spofford Ave
Bronx, NY 10474

St.Ignatius School
President, Eavan O'Driscoll
740 Manida St
Bronx, NY 10474

John V Lindsay Wildcat Academy Charter School
Principal, Ronald Tabano
239 Lafayette Ave
Bronx, NY 10474

Hyde Leadership Charter School
Executive Director: Tom Sturtevant
730 Bryant Ave
Bronx, NY 10474

Sunshine Adult Social Center
Administrator, Ms. Waters
1241 Lafayette Ave
Bronx, NY 10474

Graham Windham Beacon (MS-424)
Principal, Dr. Steve Traversierre
730 Bryant Ave
Bronx, NY 10474

Appendix H – Contact List Information

The Peninsula
BCP Application - Section IX

7. Location of the Document Repository (*note: please see attached copy of acknowledgement):

New York Public Library – Hunts Point
~ Closing for Renovation – not accepting repository documents
877 Southern Blvd
Bronx, NY 10459
Phone: 718-617-0338

New York Public Library – Woodstock
Library Manager: Corey Rodriguez
761 East 160th Street
Bronx, NY, 10456
Coreyrodriguez@nypl.org
Phone: 718-665-6255
Electronic Disc. Preferred 6/14/2017

8. Any community board located in a city with a population of one million or more, if the proposed site is located within such community board's boundaries.

Bronx 2 Community District
Chairperson: Mr. Robert Crespo
District Manager: Mr. Ralph Acevado
1029 E. 163rd Street, Suite 202
Bronx, NY, 10459
Phone: 718-328-9125
Email: brxcb2@optonline.net

- **Other Identified Community Groups**

Hunts Point Recreation Center
765 Manida St
Bronx, NY 10474

Bronx YMCA
2 Castle Hill Ave
Bronx, NY 10473

South East Bronx Neighborhood Centers, Inc
955 Tinton Ave
Bronx, NY 10456

Churches:
Real Life Church

Appendix H – Contact List Information

The Peninsula
BCP Application - Section IX

940 Garrison Ave
Bronx, NY 10462

Clinics:
Fedcap Bronx
1231 Lafayette Ave
Bronx, NY 10474

Bella Vista Health Center
890 Hunts Point Ave
Bronx, NY 10474

Parks:
Julio Carballo Fields
758 Manida St
Bronx, NY 10474

Hunts Point Playground
704 Hunts Point Ave
Bronx, NY 10474

Kathryn Sommo

From: Corey Rodriguez <coreyrodriguez@nypl.org>
Sent: Thursday, June 15, 2017 10:11 AM
To: Kathryn Sommo
Subject: Re: Request for use of New York Public Library – Woodstock - as document repository

Good Morning,

Woodstock Library agrees to serve as a document repository. Electronic versions will work for this location given the limited shelf space.

Warm Regards, Corey

On Wed, Jun 14, 2017 at 4:43 PM, Kathryn Sommo <ksommo@rouxinc.com> wrote:

> Corey
>
> Roux Associates is an environmental consulting firm that is currently in the process of applying to get a site located in your area at 1221 Spofford Avenue, Bronx, NY into the New York State Brownfield Cleanup Program (BCP). One of the requirements of the program is that a document repository be established for the reports at the local community board. This is done as part of the mandated Community Participation Plan which is a component of every BCP project in the state. Routinely libraries are used as repositories.
>
> Roux Associates is requesting permission to use the Woodstock Branch of the New York Public Library as the document repository for the project. This will require shelf space for Roux Associates reports for approximately 18 to 24 months. The shelf space required would be about 12 inches by 12 inches and the stack of reports might be 18 inches high. A total of six to eight reports (including but not limited to: BCP Application, Remedial Investigation Work Plan, Remedial Investigation Report, Remedial Action Work Plan, Remedial Action Report, Final Engineering Report) will be produced over the course of the project. We will send the reports by express delivery.
>
> If limited shelf space is available, we can submit electronic versions of the reports as necessary just let me know. Please kindly confirm receipt of this e-mail and provide approval to serve as a document repository.
>
> Thank you & Best Regards
>
> **Kathryn Sommo, CPESC, ISA Arborist | Senior Scientist | Roux Associates, Inc.**
> 209 Shafter Street, New York 11749
> Main: 1-631-232-2600 | Direct: 1-631-630-2392
> Email: ksommo@rouxinc.com | Website: www.rouxinc.com

--

Corey M. Rodriguez
Branch Manager
Woodstock Branch Library
761 East 160th Street
Bronx, New York 10456
718-665-6255
coreyrodriguez@nypl.org

APPENDIX I

Section X – Land Use Factors

Appendix I – Land Use Factors
The Peninsula
BCP Application – Section X, Question 6

6. The proposed use is consistent with applicable comprehensive community master plans, local waterfront revitalization plans, or other adopted land use plans?

The BCP Site is located with an NYC EDC Food Retail Expansion to Support Health (FRESH) area and is also within the evaluation area for the NYC EDC Hunts Point Vision Task Force. FRESH promotes the establishment and expansion of neighborhood grocery stores in underserved communities by providing zoning and financial incentives to eligible grocery store operators and developers. Per the NYC EDC Hunts Point Peninsula website, the Hunts Point Vision Task Force has the following goals with regards to the redevelopment of this south Bronx area (https://www.nycedc.com/project/hunts-point-peninsula):

- **Optimizing Land Use:** Including the redevelopment of brownfields and a special district rezoning that expands opportunities for industrial and large retail uses, and strengthens the buffer between residential and noxious industrial uses. For more information on the Hunts Point rezoning, visit the Department of City Planning.
- **Implementing Workforce Solutions:** Including the creation of a permanent Hunts Point Workforce Career Center within the Hunts Point peninsula. For more information about the Workforce Career Center, visit the Department of Small Business Services.
- **Creating Connections:** Including greater access to the waterfront, streetscape enhancements, and intersection improvements for pedestrian safety. For more information, review the South Bronx Greenway plan.
- **Improving Traffic Safety & Efficiency:** Including the development of an alternative fueling facility, implementation of new truck routes and signage, and the reconfiguration of Food Center Drive.

The proposed Site redevelopment meets the goals of the FRESH program through the provision of a grocery store as part of the commercial space. The redevelopment will also include affordable housing which is a priority of the NYC mayor's office. Mayor Bill de Blasio has committed the City to "build or preserve nearly 200,000 affordable units, and help both tenants and small landlords preserve the quality and affordability of their homes" through the Housing NY Plan. In accordance with the Hunts Point Vision Task Force, the proposed brownfield redevelopment will "optimize land use" on a currently vacant property to provide not only a grocery store and

affordable housing but to also provide light industrial space that will be used for food and beverage production, retail, and media/TV production.

APPENDIX J

Tangible Property Credits

Appendix J – Tangible Property Credits
The Peninsula
BCP Application - Supplemental Questions

1. Is at least 50% of the site area located within an environmental zone pursuant to NYS Tax Law 21(b)(6)?

Response: The entire property lies within the New York State Environmental Zones (En-Zones).

3. If you are seeking a formal determination as to whether your project is eligible for Tangible Property Tax Credits based in whole or in part on its status as an affordable housing project (defined below), you must attach the regulatory agreement with the appropriate housing agency (typically, these would be with the New York City Department of Housing, Preservation and Development; the New York State Housing Trust Fund Corporation; the New York State Department of Housing and Community Renewal; or the New York State Housing Finance Agency, though other entities may be acceptable pending Department review).

Response: The project will be 100% affordable as defined by the Area Median Income (AMI) guidelines adopted for New York City (NYC). All of the proposed units will be subject to a Regulatory Agreement issued either by the NYC Department of Housing Preservation and Development (HPD) or NYC Housing Development Corporation (HDC) that restricts the rents to designated AMI target levels. HPD/HDC programs dictate targeted income bands that make for the "best practices" mix of income levels. The residential space will include the construction of 740 - 100% affordable rental units, which will be developed in three Phases. Phase 1 will include the construction of 203 units; Phase 2 will include the construction of 347 units; and Phase 3 will include the construction of 186 units. 80% of the units will be at or below 60% AMI and a maximum AMI of 90%. Upon execution of the Regulatory Agreement, Requestor shall submit an application to amend the BCA for a Tangible Property Tax Credit determination if necessary.