Environmental, Planning, and Engineering Consultants
440 Park Avenue South
7th Floor
New York, NY 10016
tel: 212 696-0670
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October 30, 2023

Jennifer Hathaway
New York State Department of Environmental Conservation
Bureau of Technical Support
625 Broadway, 11th Floor
Albany, NY 12233-7020

Re: Brownfield Cleanup Program (BCP) Application – John Tynan Senior Residence
41 First Avenue (Block 451, portion of Lot 25)
Brooklyn, New York 11231
BCP Site Number C224401

Dear Ms. Hathaway:

Please find attached the revised BCP Application and the revised supporting documents for the John Tynan Senior Residence project site located at 41 First Street in Brooklyn, New York included with this transmittal. The revisions were made to address the items noted in DEC's "Letter of Incompleteness" dated October 24, 2023.

Thank you for the opportunity to submit this revised BCP Application on behalf of Catholic Charities Progress of Peoples Development Corporation (the "Applicant"). On behalf of the Applicant, I look forward to working with you on this project under the BCP. Please call me at (646) 388-9529 if you have questions or comments.

Sincerely,
AKRF, Inc.

Axel Schwendt
Vice President

cc: A. Sharma, J. Holm/AKRF

NEW YORK STATE | Department of Environmental Conservation

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

SUBMITTAL INSTRUCTIONS:

1. Compile the application package in the following manner:
    a. one file in non-fillable PDF of the application form plus supplemental information, excluding the previous environmental reports and work plans, if applicable;
    b. one individual file (PDF) of each previous environmental report; and,
    c. one file (PDF) of each work plan being submitted with the application, if applicable.
2. Compress all files (PDFs) into one zipped/compressed folder.
3. Submit the application to the Site Control Section either via email or ground mail, as described below. **Please select only ONE submittal method – do NOT submit both email and ground mail.**
    a. VIA EMAIL:
        - Upload the compressed folder to the NYSDEC File Transfer Service. (http://fts.dec.state.ny.us/fts) or another file-sharing service.
        - Copy the download link into the body of an email with any other pertinent information or cover letter attached to the email.
        - Subject line of the email: "*BCP Application NEW - *Proposed Site Name**"
        - Email your submission to DERSiteControl@dec.ny.gov – do NOT copy Site Control staff.
    b. VIA GROUND MAIL:
        - Save the application file(s) and cover letter to an external storage device (e.g., thumb drive, flash drive). Do NOT include paper copies of the application or attachments.
        - Mail the external storage device to the following address:
            Chief, Site Control Section
            Division of Environmental Remediation
            625 Broadway, 11th Floor
            Albany, NY 12233-7020

PROPOSED SITE NAME: John Tynan Senior Residence	
Is this an application to amend an existing BCA with a major modification? Please refer to the application instructions for further guidance related to BCA amendments. If yes, provide existing site number: _____	○ **Yes** ◉ **No**
Is this a revised submission of an incomplete application? If yes, provide existing site number: C224401	◉ **Yes** ○ **No**

NEW YORK STATE | Department of Environmental Conservation

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

BCP App Rev 15 – May 2023

SECTION I: Property Information

PROPOSED SITE NAME John Tynan Senior Residence

ADDRESS/LOCATION 41 First Street

CITY/TOWN Brooklyn | ZIP CODE 11231

MUNICIPALITY (LIST ALL IF MORE THAN ONE) New York City (Brooklyn)

COUNTY Kings | SITE SIZE (ACRES) 0.501

LATITUDE			LONGITUDE		
°	‘	“	°	‘	“
40	40	43 N	73	59	29 W

Provide tax map information for all tax parcels included within the proposed site boundary below. If a portion of any lot is to be included, please indicate as such by inserting “p/o” in front of the lot number in the appropriate box below, and only include the acreage for that portion of the tax parcel in the corresponding acreage column.

See Figures 1 and 3 in Attachment C

ATTACH REQUIRED TAX MAPS PER THE APPLICATION INSTRUCTIONS.

Parcel Address	Section	Block	Lot	Acreage
41 First Street	Brooklyn	451	p/o 25	0.501

	Y	N
1. Do the proposed site boundaries correspond to tax map metes and bounds? If no, please attach an accurate map of the proposed site including a metes and bounds description.	○	◉
2. Is the required property map included with the application? (Application will not be processed without a map) See Figure 3 in Attachment C	◉	○
3. Is the property within a designated Environmental Zone (En-zone) pursuant to Tax Law 21(b)(6)? (See *DEC’s website* for more information) If yes, identify census tract: _____ Percentage of property in En-zone (check one): 0% ○ 1-49% ○ 50-99% ○ 100% ○	○	◉
4. Is the project located within a disadvantaged community? See application instructions for additional information. See Figure 3 in Attachment C	◉	○
5. Is the project located within a NYS Department of State (NYS DOS) Brownfield Opportunity Area (BOA)? See application instructions for additional information.	○	◉
6. Is this application one of multiple applications for a large development project, where the development spans more than 25 acres (see additional criteria in application instructions)? If yes, identify names of properties and site numbers, if available, in related BCP applications: _____	○	◉

SECTION I: Property Information (CONTINUED)	Y	N
7. Is the contamination from groundwater or soil vapor solely emanating from property other than the site subject to the present application?	○	◉
8. 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? If yes, attach relevant supporting documentation.	○	◉
9. Are there any lands under water? If yes, these lands should be clearly delineated on the site map.	○	◉
10. Has the property been the subject of or included in a previous BCP application? If yes, please provide the DEC site number: _____	○	◉
11. Is the site currently listed on the Registry of Inactive Hazardous Waste Disposal Sites (Class 2, 3, or 4) or identified as a Potential Site (Class P)? If yes, please provide the DEC site number: _____ Class: ___	○	◉
12. Are there any easements or existing rights-of-way that would preclude remediation in these areas? If yes, identify each here and attach appropriate information. Easement/Right-of-Way Holder — Description	○	◉
13. List of permits issued by the DEC or USEPA relating to the proposed site (describe below or attach appropriate information): Type — Issuing Agency — Description	○	◉
14. Property Description and Environmental Assessment – please refer to the application instructions for the proper format of each narrative requested. Are the Property Description and Environmental Assessment narratives included in the prescribed format? See Attached Supporting Documents	◉	○

Note: Questions 15 through 17 below pertain ONLY to proposed sites located within the five counties comprising New York City.

	Y	N
15. Is the Requestor seeking a determination that the site is eligible for tangible property tax credits? If yes, Requestor must answer the Supplemental Questions for Sites Seeking Tangible Property Credits Located in New York City ONLY on pages 11-13 of this form.	◉	○
16. Is the Requestor now, or will the Requestor in the future, seek a determination that the property is Upside Down?	○	◉
17. If you have answered *YES* to Question 16 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	○	○

NOTE: If a tangible property tax credit determination is not being requested at the time of application, 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 I are required prior to application approval, a new page, initialed by each Requestor, must be submitted with the application revisions.
Initials of each Requestor:

_____ _____ _____ _____ _____ _____

SECTION II: Project Description

1. The project will be starting at: (●) Investigation ( ) Remediation

NOTE: If the project is proposed to start at the remediation stage, at a minimum, a Remedial Investigation Report (RIR) must be included, resulting in a 30-day public comment period. If an Alternatives Analysis and Remedial Action Work Plan (RAWP) are also included (see *DER-10, Technical Guidance for Site Investigation and Remediation* for further guidance), then a 45-day public comment period is required.

2. If a final RIR is included, does it meet the requirements in ECL Article 27-1415(2)?

   ( ) Yes ( ) No (●) N/A

3. Have any draft work plans been submitted with the application (select all that apply)?

   [✓] RIWP [ ] RAWP [ ] IRM [ ] No

   See attached supporting document: Section II(3)

4. Please provide a short description of the overall project development, including the date that the remedial program is to begin, and the date by which a Certificate of Completion is expected to be issued.
   Is this information attached? (●) Yes ( ) No

   See attached supporting document: Section II(4)

SECTION III: Land Use Factors

1. What is the property's current municipal zoning designation? R6A

2. What uses are allowed by the property's current zoning (select all that apply)?

   Residential [✓] Commercial [ ] Industrial [ ]

3. Current use (select all that apply):

   Residential [ ] Commercial [ ] Industrial [ ] Recreational [ ] Vacant [✓]

	Y	N
4. Please provide 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 by which the site became vacant. Is this summary included with the application? See attached supporting document: Section III(5)	(●)	( )
5. Reasonably anticipated post-remediation use (check all that apply): Residential [✓] Commercial [ ] Industrial [ ] If residential, does it qualify as single-family housing? N/A ( )	( )	(●)
6. Please provide a statement detailing the specific proposed post-remediation use. Is this summary attached?	(●)	( )
7. Is the proposed post-remediation use a renewable energy facility? See application instructions for additional information.	( )	(●)
8. Do current and/or recent development patterns support the proposed use? See attached supporting document: Section III(7)	(●)	( )
9. Is the proposed use consistent with applicable zoning laws/maps? Please provide a brief explanation. Include additional documentation if necessary. See attached supporting document: Section III(8)	(●)	( )
10. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, or other adopted land use plans? Please provide a brief explanation. Include additional documentation if necessary.	(●)	( )

See attached supporting document: Section III(9)

SECTION IV: Property's Environmental History

All applications **must include** an Investigation Report (per ECL 27-1407(1)). The report must be sufficient to establish that contamination of environmental media exists on the site above applicable Standards, Criteria and Guidance (SCGs) based on the reasonably anticipated use of the site property and that the site requires remediation. To the extent that existing information/studies/reports are available to the requestor, please attach the following:

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*). **Please submit a separate electronic copy of each report in Portable Document Format (PDF). Please do NOT submit paper copies of ANY supporting documents.**
2. **SAMPLING DATA: INDICATE (BY SELECTING THE OPTIONS BELOW) KNOWN CONTAMINANTS AND THE MEDIA WHICH ARE KNOWN TO HAVE BEEN AFFECTED. DATA SUMMARY TABLES SHOULD BE INCLUDED AS AN ATTACHMENT, WITH LABORATORY REPORTS REFERENCED AND INCLUDED.**

CONTAMINANT CATEGORY	SOIL	GROUNDWATER	SOIL GAS
Petroleum	☐	☐	☑
Chlorinated Solvents	☐	☐	☑
Other VOCs	☐	☐	☐
SVOCs	☑	☑	☐
Metals	☑	☑	☐
Pesticides	☐	☐	☐
PCBs	☐	☐	☐
PFAS	☐	☑	☐
1,4-dioxane	☐	☐	☐
Other – indicated below	☐	☐	☐

*Please describe other known contaminants and the media affected:
See Data Tables in Attachment C

3. For each impacted medium above, include a site drawing indicating:
   - Sample location
   - Date of sampling event
   - Key contaminants and concentration detected
   - For soil, highlight exceedances of reasonably anticipated use
   - For groundwater, highlight exceedances of 6 NYCRR part 703.5
   - For soil gas/soil vapor/indoor air, refer to the NYS Department of Health matrix and highlight exceedances that require mitigation

See previous reports including Phase II Investigation Report in Attachment D

These drawings are to be representative of all data being relied upon to determine if the site requires remediation under the BCP. Drawings should be no larger than 11"x17" and should only be provided electronically. These drawings should be prepared in accordance with any guidance provided.

Are the required drawings included with this application? See attached supporting document: Attachment C ◉ YES ○ NO

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:

SECTION V: Requestor Information			
NAME Catholic Charities Progress of Peoples Development Corporation			
ADDRESS 191 Joralemon Street			
CITY/TOWN Brooklyn	STATE NY	ZIP CODE 11201	
PHONE (718) 722-6044	EMAIL jennifer.swift@ccbq.org		

	Y	N
1. Is the requestor authorized to conduct business in New York State (NYS)?	◉	○
2. If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS DOS 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 with this application to document that the requestor is authorized to conduct business in NYS. Is this attached? See attached documentation: Section V(11)	◉	○
3. If the requestor is an LLC, a list of the names of the members/owners is required on a separate attachment. Is this attached? N/A ○	○	◉
4. Individuals that will be certifying BCP documents, as well as their employers, must 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. Do all individuals that will be certifying documents meet these requirements? **Documents that are not properly certified will not be approved under the BCP.**	◉	○

SECTION VI: Requestor Eligibility		
If answering "yes" to any of the following questions, please provide appropriate explanation and/or documentation as an attachment.		
	Y	**N**
1. Are any enforcement actions pending against the requestor regarding this site?	○	◉
2. Is the requestor subject to an existing order for the investigation, removal or remediation of contamination at the site?	○	◉
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.	○	◉
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 or regulation of the State or Federal government?	○	◉
5. Has the requestor previously been denied entry to the BCP? If so, please provide the site name, address, assigned DEC site number, the reason for denial, and any other relevant information regarding the denied application.	○	◉
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?	○	◉

SECTION VI: Requestor Eligibility (CONTINUED)

	Y	N
7. Has the requestor been convicted of a criminal offense (i) involving the handling, storing, treating, disposing or transporting or contaminants; or (ii) that involved 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?	○	◉
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 a false statement in connection with any document or application submitted to DEC?	○	◉
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?	○	◉
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?	○	◉
11. Are there any unregistered bulk storage tanks on-site which require registration?	○	◉

12. 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 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 selecting this option, 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; and, (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.**

13. If the requestor is a volunteer, is a statement describing why the requestor should be considered a volunteer attached?

Yes ◉ No ○ N/A ○ See attached supporting documentation: Section VI(13)

SECTION VI: Requestor Eligibility (CONTINUED)

14. Requestor relationship to the property (check one; if multiple applicants, check all that apply):

☐ Previous Owner ☐ Current Owner ☑ Potential/Future Purchaser ☐ Other: _____

If the requestor is not the current owner, **proof of site access sufficient to complete remediation must be provided.** 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 environmental easement on the site.

Is this proof attached? ◉ Yes ○ No ○ N/A See access agreement provided in Attachment B of supporting documents

Note: A purchase contract or lease agreement does not suffice as proof of site access.

SECTION VII: Requestor Contact Information

REQUESTOR'S REPRESENTATIVE Jennifer Swift			
ADDRESS 191 Joralemon Street			
CITY Brooklyn		STATE NY	ZIP CODE 11201
PHONE (718) 722-6044	EMAIL jennifer.swift@ccbq.org		
REQUESTOR'S CONSULTANT (CONTACT NAME) Axel Schwendt			
COMPANY AKRF, Inc.			
ADDRESS 440 Park Avenue South, 7th Floor			
CITY New York		STATE NY	ZIP CODE 10016
PHONE (212) 696-0670	EMAIL aschwendt@akrf.com		
REQUESTOR'S ATTORNEY (CONTACT NAME) Dana Stanton			
COMPANY Nixon Peabody			
ADDRESS 677 Broadway, 10th Floor			
CITY Albany		STATE NY	ZIP CODE 12207
PHONE (518) 427-2996	EMAIL dstanton@nixonpeabody.com		

SECTION VIII: Program Fee		
Upon submission of an executed Brownfield Cleanup Agreement to the Department, the requestor is required to pay a non-refundable program fee of $50,000. Requestors may apply for a fee waiver based on demonstration of financial hardship.		
	Y	**N**
1. Is the requestor applying for a fee waiver based on demonstration of financial hardship?	○	◉
2. If yes, appropriate documentation to demonstrate financial hardship must be provided with the application. See application instructions for additional information. Is the appropriate documentation included with this application? N/A ◉	○	○

SECTION IX: Current Property Owner and Operator Information			
CURRENT OWNER Mary Star of the Sea Senior Housing Development Fund Corporation			
CONTACT NAME Jennifer Swift			
ADDRESS 191 Joralemon Street			
CITY Brooklyn		STATE NY	ZIP CODE 11201
PHONE (718) 722-6044	EMAIL jennifer.swift@ccbq.org		
OWNERSHIP START DATE 12/29/2005			
CURRENT OPERATOR Current Owner is also the Operator			
CONTACT NAME			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE	EMAIL		
OPERATION START DATE			

SECTION X: Property Eligibility Information		
	Y	**N**
1. Is/was the property, or any portion of the property, listed on the National Priorities List? If yes, please provide additional information as an attachment.	○	◉
2. Is/was the property, or any portion of the property, listed on the NYS Registry of Inactive Hazardous Waste Disposal Site pursuant to ECL 27-1305? If yes, please provide the DEC site number: _____ Class: _____	○	◉

SECTION X: Property Eligibility Information (continued)		
	Y	**N**
3. Is/was the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? 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? If yes, attach any available information related to previous owners or operators of the facility or property and their financial viability, including any bankruptcy filings and corporate dissolution documents. N/A ◉	○	○
5. Is the property subject to a cleanup order under Navigation Law Article 12 or ECL Article 17 Title 10? If yes, please provide the order number: _____	○	◉
6. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum? If yes, please provide additional information as an attachment.	○	◉

SECTION XI: Site Contact List

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 mailing addresses of the following:

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

See attached supporting documentation: Section VIII

SECTION XII: Statement of Certification and Signatures

(By requestor who is an individual)

If this application is approved, I hereby 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 *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 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 Executive Secretary (title) of Catholic Charities Progress of Peoples Development Corp (entity); that I am authorized by that entity to make this application and execute a Brownfield Cleanup Agreement (BCA) and all subsequent documents; that this application was prepared by me or under my supervision and direction. If this application is approved, I hereby 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 *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 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: 10/10/2023 Signature: Emmie Glynn Ryan

Print Name: Emmie Glynn Ryan

Document authorization the signatory is included in Attachment B of the Supporting Documents

PLEASE REFER TO THE APPLICATION COVER PAGE AND BCP APPLICATION INSTRUCTIONS FOR DETAILS OF PAPERLESS DIGITAL SUBMISSION REQUIREMENTS.

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 15

Please respond to the questions below and provide additional information and/or documentation as required. *Please refer to the application instructions.*	**Y**	**N**
1. Is the property located in Bronx, Kings, New York, Queens or Richmond County?	◉	○
2. Is the requestor seeking a determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit?	◉	○
3. Is at least 50% of the site area located within an environmental zone pursuant to NYS Tax Law 21(b)(6)?	○	◉
4. Is the property upside down or underutilized as defined below?		
Upside down	○	◉
Underutilized	○	◉

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.

FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY ONLY (continued)

5. 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:

   ○ Project is an Affordable Housing Project – regulatory agreement attached

   ◉ Project is planned as Affordable Housing, but agreement is not yet available*
   *Selecting this option 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' household's 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 homeowners 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.

FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY ONLY (continued)

6. Is the site a planned renewable energy facility site as defined below?

   ○ Yes – planned renewable energy facility site with documentation

   ○ Pending – planned renewable energy facility awaiting documentation
   *Selecting this option will result in a "pending" status. The appropriate documentation 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.

   ◉ No – not a planned renewable energy facility site

   If yes, please provide any documentation available to demonstrate that the property is planned to be developed as a renewable energy facility site.

From ECL 27-1405(33) as of April 9, 2022:

"Renewable energy facility site" shall mean real property (a) this is used for a renewable energy system, as defined in section sixty-six-p of the public service law; or (b) any co-located system storing energy generated from such a renewable energy system prior to delivering it to the bulk transmission, sub-transmission, or distribution system.

From Public Service Law Article 4 Section 66-p as of April 23, 2021:

(b) "renewable energy systems" means systems that generate electricity or thermal energy through use of the following technologies: solar thermal, photovoltaics, on land and offshore wind, hydroelectric, geothermal electric, geothermal ground source heat, tidal energy, wave energy, ocean thermal, and fuel cells which do not utilize a fossil fuel resource in the process of generating electricity.

7. Is the site located within a disadvantaged community, within a designated Brownfield Opportunity Area, and plans to meet the conformance determinations pursuant to subdivision ten of section nine-hundred-seventy-r of the general municipal law?

   ○ Yes - *Selecting this option will result in a "pending" status, as a BOA conformance determination has not yet been made. Proof of conformance 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.

   ◉ No

From ECL 75-0111 as of April 9, 2022:

(5) "Disadvantaged communities" means communities that bear the burdens of negative public health effects, environmental pollution, impacts of climate change, and possess certain socioeconomic criteria, or comprise high-concentrations of low- and moderate-income households, as identified pursuant to section 75-0111 of this article.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

BROWNFIELD CLEANUP PROGRAM (BCP)
INSTRUCTIONS FOR COMPLETING AND SUBMITTING A BCP APPLICATION

The New York State Department of Environmental Conservation (DEC) strongly encourages all applicants to schedule a pre-application meeting with DEC staff to review the benefits, requirements, and procedures for completing a project in the BCP. Contact your Regional Office to schedule a meeting. To add a party to an existing BCP Agreement, use the BCP Agreement Amendment Application.

For further information regarding the determination of a complete application, please refer to the guidance following these instructions, as well as the NYSDEC BCP website.

SUBMITTAL INSTRUCTIONS

- Compile the application package in the following manner:
  - one file in non-fillable portable document format (PDF) of the application form plus supplemental information, excluding the previous environmental reports and work plans, if applicable;
  - one individual file (PDF) of each previous environmental report; and,
  - one file (PDF) of each work plan being submitted with the application, if applicable.
- Compress all files (PDFs) into one zipped/compressed folder
- Submit the application to the Site Control Section either via email or ground mail, as described below.

Please select only ONE submittal method - do NOT submit both via email and via ground mail.

VIA EMAIL:

- Upload the compressed folder to the NYSDEC File Transfer Service (https://fts.dec.state.ny.us/fts/) or another file-sharing service.
- Copy the download link into the body of an email with any other pertinent information or cover letter attached to the email.
- Subject line of the email: *"BCP Application NEW - *Proposed Site Name**"*
- Email your submission to DERSiteControl@dec.ny.gov - do NOT copy Site Control staff.

VIA GROUND MAIL:

- Save the application file and cover letter to an external storage device (e.g., thumb drive, flash drive). Do NOT include paper copies of the application or attachments.
- Mail the external storage device to the following address:

Chief, Site Control Section
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7020

SECTION I: Property Information	
PLEASE NOTE	**If any changes to SECTION I are required prior to application approval, a new page 2, initialed by each requestor, must be submitted with the revisions.**
Proposed Site Name	Provide a name for the proposed site. The name could be an owner's name, current or historical operations (i.e., ABC Furniture) or the general location of the property. Consider whether the property is known by DEC by a particular name, and if so, use that name.
Site Address	Provide a street address, city/town, zip code, and each municipality and county in which the site is located.
Site Size	Provide the approximate acreage of the site.
GIS Information	Provide the latitude and longitude for the approximate center of the property. Show the latitude and longitude in degrees, minutes and seconds.
Tax Parcel Information	Provide the tax parcel address/section/block/lot information and map. Tax map information may be obtained from the tax assessor's office for all tax parcels that are included in the property boundaries. Attach a county tax map with identifier numbers, along with any figures needed to show the location and boundaries of the property. Include a USGS 7.5-minute quad map on which the property appears and clearly indicate the proposed site's location.
Tax Map Boundaries	State whether the boundaries of the site correspond to the tax map boundaries. If no, a metes and bounds description of the property must be attached. The site boundary can occupy less than a tax lot or encompass portions of one or more tax lots and may be larger or smaller than the overall redevelopment/ reuse project area. A site survey with metes and bounds will be required to establish the site boundaries before the Certificate of Completion can be issued.
Site Map	Provide a property base map(s) of sufficient detail, clarity and accuracy to show the following: (i) map scale, north arrow orientation, date, and location of the property with respect to adjacent streets and roadways; and (ii) proposed brownfield property boundary lines, with adjacent property owners clearly identified.
En-zone	If any part of the site is located within an En-zone, please provide a map showing the location of the site with the En-zone overlay. For information on En-zones, please see DEC's website. Note that new En-zone boundaries are effective January 1, 2023.
Disadvantaged Communities	If the site is located within a Disadvantaged Community, please provide a map showing the location of the site with the Disadvantaged Community overlay. For additional information on disadvantaged communities, please refer to the Climate Leadership and Community Protection Act website.

SECTION I: Property Information (continued)	
Brownfield Opportunity Area (BOA)	If the site is located within a NYS Department of State designated Brownfield Opportunity Area, please provide a map showing the location of the site with the BOA overlay. For more information on designated BOAs, please refer to the NYS DOS website. Additional information on BOA conformance determinations can be found at the Office of Planning and Development website. A BOA conformance determination cannot be made until a Decision Document has been issued for the site.
Multiple Applications	Generally, only one application can be submitted, and one BCA executed, for a development project. In limited circumstances, the DEC may consider multiple applications/BCAs for a development project where (1) the development project spans more than 25 acres; (2) the approach does not negatively impact the remedial program, including timing, ability to appropriately address areas of concern, and management of off-site concerns; and (3) the approach is not advanced to increase the value of future tax credits (i.e., circumvent the tax credit caps provided under New York State Tax Law Section 21).
Previous BCP Applications	If all or part of the proposed site has been the subject of a previous BCP application (whether accepted, denied or withdrawn), please provide the assigned DEC site number from the previous application as well as any relevant information regarding why the property is not currently in the program.
Registry Listing and P-site Status	If all or part of the proposed site is now or ever was listed on the Registry of Inactive Hazardous Waste Disposal Sites or is currently the subject of investigation as a Potential Site, please provide the assigned DEC site number.

SECTION I: Property Information (continued)	
Property Description Narrative	Provide a property description in the format provided below. Each section should be no more than one paragraph long. Location: Example: "The XYZ Site is located in an {urban, suburban, rural} area." {Add reference points if address is unspecific; e.g., "The site is approximately 3.5 miles east of the intersection of County Route 55 and Industrial Road."} Site Features: Example: "The main site features include several large, abandoned buildings surrounded by former parking areas and roadways. About one quarter of the site area is wooded. Little Creek passes through the northwest corner." Current Zoning and Land Use: (Ensure the current zoning is identified) Example: "The site is currently inactive and is zoned for commercial use. The surrounding parcels are currently used for a combination of commercial, light industrial, and utility rights-of-way. The nearest residential area is 0.3 miles east on Route 55." Past Use of the Site: include source(s) of contamination and remedial measures (site characterizations, investigations, Interim Remedial Measures, etc.) completed outside of the current remedial program (e.g., work under a petroleum spill incident). Example: "Until 1992 the site was used for manufacturing wire and wire products (e.g., conduit, insulators) and warehousing. Prior uses that appear to have led to site contamination include metal plating, machining, disposal in a one-acre landfill north of Building 7, and releases of wastewater into a series of dry wells." When describing the investigations/actions performed outside of the remedial program, include the major chronological remedial events that lead to the site entering a remedial program. The history should include the first involvement by government to address hazardous waste/petroleum disposal. Do not cite reports. Only include remedial activities which were implemented PRIOR to the BCA. Do not describe sampling information. Site Geology and Hydrogeology: As appropriate, provide a very brief summary of the main hydrogeological features of the site including depth to water, groundwater flow direction, etc.

SECTION I: Property Information (continued)	
Environmental Assessment	The goal of this section is to describe the nature and extent of contamination at the site. When describing the nature of contamination, identify just the primary contaminants of concern (i.e., those that will likely drive remedial decisions/ actions). If there are many contaminants present within a group of contaminants (i.e., volatile organic compounds, semi-volatile organic compounds, metals), identify the group(s) and one or two representative contaminants within the group. When addressing the extent of contamination, identify the areas of concern at the site, contaminated media (i.e., soil, groundwater, etc.), relative concentration levels, and a broad-brush description of contaminated areas/depths. The reader should be able to know if contamination is widespread or limited and if concentrations are marginally or greatly above Standards, Criteria and Guidance (SCGs) for the primary contaminants. If the extent is described qualitatively (e.g., low, medium, high), representative concentrations should be given and compared with appropriate SCGs. For soil contamination, the concentrations should be compared with the soil cleanup objectives (SCOs) for the intended use of the site. **A typical Environmental Assessment would look like the following:** Based upon investigations conducted to date, the primary contaminants of concern for the site include cadmium and trichloroethene (TCE). *Soil* - Cadmium is found in shallow soil, mostly near a dry well at the northeast end of the property. TCE is found in deeper soil, predominantly at the north end of the site. Concentrations of cadmium found on site (approximately 5 ppm) slightly exceed the soil cleanup objective (SCO) for unrestricted use (2.5 ppm). Concentrations of TCE found on site (5 ppm to 300 ppm) significantly exceed the soil cleanup objectives for the protection of groundwater (0.47 ppm). *Groundwater* - TCE and its associated degradation products are also found in groundwater at the north end of the site, moderately exceeding groundwater standards (typically 5 ppb), with a maximum concentration of 1500 ppb. A moderate amount of TCE from the site has migrated 300 feet down-gradient off-site. The primary contaminant of concern for the off-site area is TCE, which is present at a maximum concentration of 500 ppb, at 10 feet below the groundwater table near Avenue A. *Soil Vapor & Indoor Air* - TCE was detected in soil vapor at elevated concentrations and was also detected in indoor air at concentrations up to 1,000 micrograms per cubic meter.
Questions 15-17: New York City Sites	These questions pertain ONLY to sites located within the five counties comprising New York City. If the requestor is seeking a determination that the site is eligible for tangible property tax credits, this section and the *Supplemental Questions for Sites Seeking Tangible Property Credits in New York City* **must** be completed.

SECTION II: Project Description
As a separate attachment, provide complete and detailed information about the project, including the purpose of the project, the date the remedial program is to start, and the date the issuance of the Certificate of Completion is anticipated.

SECTION III: Land Use Factors	
In addition to eligibility information, site history, and environmental data/reports, the application requires information regarding the current, intended and reasonably anticipated future land use. This information consists of responses to the “land use” factors to be considered relative to the “Land Use” section of the BCP application. The information will be used to determine the appropriate land use in conjunction with the investigation data provided, in order to establish eligibility for the site based on the definition of a “brownfield site” pursuant to ECL 27-1405(2). This land use information will be used by DEC, in addition to all other relevant information provided, to determine whether the proposed use is consistent with the currently identified, intended and reasonably anticipated future land use of the site at this stage. Further, this land use finding is subject to information regarding contamination at the site or other information which could result in the need for a change in this determination being borne out during the remedial investigation.	
Zoning and Current Use	Provide the current municipal zoning designation and uses permitted by that designation. Provide a summary of the current use of the site, including identifying possible contaminant source areas. If the site is no longer in use, provide the date by which operations ceased.
Anticipated Use	Identify the anticipated post-remediation use of the site and provide a detailed description of the specific anticipated post-remediation use as an attachment.
Renewable Energy Facility Site	Indicate if the post-remediation use of the site is proposed to be a renewable energy facility. A “renewable energy facility site” shall mean real property (a) this is used for a renewable energy system, as defined in section sixty-six-p of the public service law; or (b) any co-located system storing energy generated from such a renewable energy system prior to delivering it to the bulk transmission, sub-transmission, or distribution system. Section 66-p of the Public Service Law: "Renewable energy systems" means systems that generate electricity or thermal energy through use of the following technologies: solar thermal, photovoltaics, on land and offshore wind, hydroelectric, geothermal electric, geothermal ground source heat, tidal energy, wave energy, ocean thermal, and fuel cells which do not utilize a fossil fuel resource in the process of generating electricity. Provide any detailed plans or documentation to support this. Appropriate documentation must be provided as follows: for planned renewable energy facilities generating/storing less than twenty-five (25) megawatts, a local land use approval must be provided. For planned renewable energy facilities generating/storing twenty-five (25) megawatts or greater, a permit issued by the Office of Renewable Energy Siting must be provided.
Compliance with Zoning Laws, Recent Development, and Community Master Plans	Provide an explanation to support the responses to each of these items. Attach additional documentation if applicable.

SECTION IV: Property's Environmental History
For all sites, an investigation report is required that is sufficient to demonstrate the site requires remediation in order to meet the requirements of the program, and that the site is a brownfield site at which contaminants are present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria or guidance adopted by DEC that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations. Required data include site drawings and data summary tables requested in Section IV, #3 of the BCP application form. Specific instructions regarding the data summary tables are attached at the end of these instructions.

SECTION V: Requestor Information	
Requestor Name	Provide the name of the person(s)/entity requesting participation in the BCP (if more than one, attach additional sheets with requested information). The requestor is the person or entity seeking DEC review and approval of the remedial program. 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 in the *NYS Department of State's Corporation & Business Entity Database*. A print-out of entity information from the database must be submitted to DEC with the application, to document that the requestor is authorized to do business in NYS.
Address, etc.	Provide the requestor's mailing address, telephone number and e-mail.
LLC Information	If the requestor(s) is/are an LLC, the names of the members/owners must be provided on a separate attachment.
Document Certification	All documents, which are prepared in final form for submission to DEC for approval, are to be prepared and certified in accordance with Section 1.5 of *DER-10*. Persons preparing and certifying the various work plans and reports identified in Section 1.5 include: • New York State licensed professional engineers (P.E.s), as defined at 6 NYCRR 375-1.2(aj) and paragraph 1.3(b)47. Engineering documents must be certified by a P.E. with current license and registration for work that was done by them or those under their direct supervision. The firm by which the P.E. is employed must also be authorized to practice engineering in New York State; • qualified environmental professionals as defined at 6 NYCRR 375-1.2(ak) and DER-10 paragraph 1.3(b)49; • remedial parties, as defined at 6 NYCRR 375-1.2(ao) and DER-10 paragraph 1.3(b)60; or • site owners, which are the owners of the property comprising the site at the time of the certification.

SECTION VI: Requestor Eligibility	
As a separate attachment, provide complete and detailed information in response to any eligibility questions answered in the affirmative. It is permissible to reference specific sections of existing property reports; however, it is requested that such information be summarized. For properties with multiple addresses or tax parcels, please include this information for each address or tax parcel.	
Volunteer Statement	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.
Proof of Site Access	If a requestor is not the current owner of the entirety of the site, a site access agreement **must be provided** that demonstrates that the requestor will have access to the property before signing the BCA and throughout the BCP project. Additionally, the access agreement must include language allowing the requestor the ability to place an environmental easement on the site should the requestor not be the owner at the time remediation is complete and a Track 1 cleanup has not been achieved.

SECTION VII: Requestor Contact Information	
Requestor's Representative	Provide information for the requestor's authorized representative. This is the person to whom all correspondence, notices, etc. will be sent, and who will be listed as the contact person in the BCA. Invoices will be sent to the representative of Applications determined to be Participants unless another contact name and address is provided with the application.
Requestor's Consultant and Requestor's Attorney	Provide all requested information.

SECTION VIII: Program Fee
If the requestor is applying for a fee waiver, sufficient documentation must be provided to demonstrate financial hardship. To demonstrate financial hardship, the applicant must show that with the payment of the program fee, remediation of the brownfield site would not be economically viable. This documentation may be in the form of federal tax returns with applicable schedules, financial statements and balance sheets, proof that that the applicant has waived its right to tax credits, or any other documentation deemed acceptable by the Department.
If the requestor is applying for a fee waiver based on the requestor's status as a not-for-profit entity, please provide documentation of non-profit designation.

SECTION IX: Current Property Owner and Operator Information	
Owner Information	Provide requested information of the current owner of the property. List all parties holding an interest in the property and, if the requestor is not the current owner, describe the requestor's relationship to the current owner. If the property consists of multiple parcels, be sure to include the ownership start date of each.
Operator Information	Provide requested information of the current operator(s). If multiple operators, attach the requested information for each operator, including the date each operator began utilizing the property.
Historical Owners and Operators	Provide a list of previous owners and a list of previous operators, including dates of ownership or operation and last-known addresses and phone numbers. Describe the requestor's relationship to each previous owner and operator; if no relationship, indicate "none". When describing the requestor's relationship to current and historical owners and operators, include any relationship between the requestor's corporate members and the previous owners and operators.

SECTION X: Property Eligibility Information	
As a separate attachment, provide complete and detailed information in response to the following eligibility questions answered in the affirmative. It is permissible to reference specific sections of existing property reports; however, it is requested that that information be summarized.	
CERCLA / NPL Listing	Has any portion of the property ever been listed on the National Priorities List (NPL) established under CERCLA? If so, provide relevant information.
Registry Listing	Has any portion of the property ever been listed on the New York State Registry of Inactive Hazardous Waste Disposal Sites established under ECL 27-1305? If so, please provide the site number and classification. See the Division of Environmental Remediation (DER) website for a database of sites with classifications.
RCRA Listing	Does the property have a Resource Conservation and Recovery Act (RCRA) TSDF Permit in accordance with the ECL 27-0900 et seq? If so, please provide the EPA Identification Number, the date the permit was issued, and its expiration date. Note: for purposes of this application, interim status facilities are not deemed to be subject to a RCRA permit.
Registry/RCRA Sites Owned by Volunteers	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.

SECTION X: Property Eligibility Information (CONTINUED)	
Existing Order	Is the property subject to an order for cleanup under Article 12 of the Navigation Law or Article 17 Title 10 of the ECL? If so, please provide information on an attachment. Note: if the property is subject to a stipulation agreement, relevant information should be provided; however, property will not be deemed ineligible solely on the basis of the stipulation agreement.
Pending Enforcement Actions	Is the property subject to an enforcement action under Article 27, Titles 7 or 9 of the ECL or subject to any other ongoing state or federal enforcement action related to the contamination which is at or emanating from the property? If so, please provide information as an attachment.

SECTION XI: Site Contact List
Provide the names and addresses of the parties on the Site Contact List (SCL) and a letter from the repository acknowledging agreement to act as the document repository for the proposed BCP project. For sites located in a city with a population of one million or more, the appropriate community board must be included as an additional document repository, and acknowledgement of their agreement to act as such must also be provided.

SECTION XII: Statement of Certification and Signatures
The requestor must sign the application or designate a representative who is authorized to sign. The requestor's consultant or attorney cannot sign the application. If there are multiple parties applying, then each requestor must sign a signature page. 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 entity's name must appear exactly as given in the NYS Department of State's Corporation & Business Entity Database.

DATA SUMMARY TABLE INSTRUCTIONS

Data summary tables should include the following columns:

Soil Table:

Analytes > SCOs[a]	Detections > SCOs[b]	Max. Detection (ppm)[c]	SCO (ppm)[d]	Depth (ft bgs)

Groundwater Table:

Analytes > AWQS[e]	Detections > AWQS[f]	Max. Detection (ppb)[c]	AWQS (ppb)[g]

Soil Gas Table:

Analytes[h]	Total Detections	Max. Detection (ug/m3)[c]	Type[i]

[a] Include all contaminants over the applicable soil cleanup objectives (SCOs). Column header should specify which SCOs are being compared to. (i.e., "RRSCOs" for Restricted Residential SCOs)

[b] Number of detections over applicable SCOs. Specify which SCOs are being compared to in column header.

[c] Maximum detection in parts per million (ppm) for soil, parts per billion (ppb) for groundwater, or micrograms per cubic meter (ug/m3) for soil gas.

[d] List the respective SCO. Specify which SCOs are being compared to in column header.

[e] Include all contaminants over Class GA Ambient Water Quality Standards (AWQS).

[f] Number of detections over AWQS.

[g] List the respective AWQS.

[h] Include all chlorinated volatile organic compound (VOCs) detections.

[i] Specify type: soil vapor, sub-slab or indoor air.

Example Data Summary Tables

Soil Table:

Analytes > RR SCOs	Detections > RR SCOs	Maximum Detection (ppm)	RR SCO (ppm)	Depth (ft bgs)
Benzo(a)anthracene	3	11	1	5 – 7
Benzo(a)pyrene	4	15	1	5 – 7
Benzo(b)fluoranthene	5	15	1	5 – 7
Benzo(k)fluoranthene	1	5.3	3.9	5 – 7
Indeno(1,2,3-cd)pyrene	7	8.4	0.5	5 – 7
barium	2	967	400	0.5 – 2.5
cadmium	2	94.1	4.3	6 – 8
lead	3	1,790	400	0.5 – 2.5

Groundwater Table:

Analytes > AWQS	Detections > AWQS	Max. Detection (ppb)	AWQS (ppb)
Benz(a)anthracene	2	0.2	0.002
Benzo(a)pyrene	2	0.221	ND
Benzo(b)fluoranthene	2	0.179	0.002
Benzo(k)fluoranthene	2	0.189	0.002
Indeno(1,2,3-cd)pyrene	2	0.158	0.002
Tetrachloroethene (PCE)	1	12	5

Soil Gas Table:

Analytes	Total Detections	Max. Detection (µg/m³)	Type
Carbon tetrachloride	1	0.84	Soil vapor
Methylene chloride	1	2.6 J	Soil vapor
Tetrachloroethene	2	47	Soil vapor
Trichloroethene	1	1.2	Soil vapor
Trichlorofluoromethane	1	21	Soil vapor

DETERMINATION OF A COMPLETE APPLICATION

1. The first step in the application review and approval process is an evaluation to determine if the application is complete. To help ensure that the application is determined complete, requestors should review the list of common application deficiencies and carefully read these instructions.
2. DEC will send a notification to the requestor within 30 calendar days of receiving the application, indicating whether such application is complete or incomplete.
3. An application must include the following information relative to the site identified by the application, necessary for making an eligibility determination, or it will be deemed incomplete. (Please note: the application as a whole requires more than the information outlined below to be determined complete). The application must include:
    a. for all sites, an investigation report sufficient to demonstrate the site requires remediation in order to meet the requirements of the program, and that the site is a brownfield site at which contaminants are present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria or guidance adopted by DEC that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations. Required data includes site drawings requested in Section IV, #3 of the BCP application form.
    b. for those sites described below, documentation relative to the volunteer status of all requestors, as well as information on previous owners or operators that may be considered responsible parties and their ability to fund remediation of the site. This documentation is required for:
        i. real property listed in the registry of inactive hazardous waste disposal sites as a class 2 site, which may be eligible provided that DEC has not identified any responsible party for that property having the ability to pay for the investigation or cleanup of the property prior to the site being accepted into the BCP; or
        ii. real property that was a hazardous waste treatment, storage or disposal facility having interim status pursuant to the Resource Conservation and Recovery Act (RCRA) program, which may be eligible provided that DEC has not identified any responsible party for that property having the ability to pay for the investigation or cleanup of the property prior to the site being accepted into the BCP.
    c. for sites located within the five counties comprising New York City, in addition to (a) and if applicable (b) above, if the application is seeking a determination that the site is eligible for tangible property tax credits, sufficient information to demonstrate that the site meets one or more of the criteria identified in ECL 27 1407(1-a). If this 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, using the BCP Amendment Application, except for sites seeking eligibility under the underutilized category.
    d. for sites previously remediated pursuant to Titles 9, 13, or 14 of ECL Article 27, Title 5 of ECL Article 56, or Article 12 of Navigation Law, relevant documentation of this remediation.

DETERMINATION OF A COMPLETE APPLICATION (CONTINUED)

4. If the application is found to be incomplete:
    a. the requestor will be notified via email or phone call regarding minor deficiencies. The requestor must submit information correcting the deficiency to DEC within the 30-day review time frame; or
    b. the requestor will receive a formal Letter of Incomplete Application (LOI) if an application is substantially deficient, if the information needed to make an eligibility determination identified in #4 above is missing or found to be incomplete, or if a response to a minor deficiency is not received within the 30-day period. The LOI will detail all of the missing information and request submission of the information. If the information is not submitted within 30 days from the date of the LOI, the application will be deemed withdrawn. In this case, the requestor may resubmit the application without prejudice.

5. If the application is determined to be complete, DEC will send a Letter of Complete Application (LOC) that includes the dates of the public comment period. The LOC will:
    a. include an approved public notice to be sent to all parties on the Contact List included with the application;
    b. provide instructions for publishing the public notice in the newspaper on the date specified in the letter, and instructions for mailing the notice to the Contact List;
    c. identify the need for a certification of mailing form to be returned to DEC along with proof of publication documentation; and
    d. specify the deadline for publication of the newspaper notice, which must coincide with, or occur before, the date of publication in the Environmental Notice Bulletin (ENB).
        i. DEC will send a notice of the application to the ENB. As the ENB is only published on Wednesdays, DEC must submit the notice by the Wednesday before it is to appear in the ENB.
        ii. The mailing to parties on the Contact List must be completed no later than the Tuesday prior to ENB publication. If the mailings, newspaper notice and ENB notice are not completed within the timeframes established by the LOC, the public comment period on the application will be extended to ensure that there will be the required comment period.
        iii. Marketing literature or brochures are prohibited from being included in mailings to the Contact List.

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ATTACHMENTS

John Tynan Senior Residence: Brownfield Cleanup Program Application Supporting Documentation

SECTION I: Property Information

Tax Map Information

The Site is an approximately 0.501-acre irregularly-shaped parcel identified as Block 451, portion of Lot 25. The Site Location Map is included on *Figure 1* and a Site Plan is included as *Figure 2,* in *Attachment C*. The proposed Site boundary and metes and bounds description are provided in Attachment A. A tax map of the Site is provided as *Figure 3* in *Attachment C.*

1. Property Description and Environmental Assessment

Location – The Site is located at 41 First Street in the Gowanus neighborhood of Brooklyn, New York. The Site is bound by Carroll Street, followed by residential and commercial buildings to the north; Bond Street, followed by residential and commercial buildings and Gowanus Canal to the east; residential buildings followed by First Street to the south; and residential buildings to the west. The Site is located in a predominantly residential and commercial area with some open space/parks and industrial/manufacturing uses. *Figure 4 in Attachment C* shows the surrounding land use.

The Site contains an E-Designation for hazardous materials and noise and is listed in the New York City Department of City Planning E-Designation database as E-601. E-601 was established following the review of an Environmental Assessment Statement (EAS) prepared to satisfy the requirements of the City Environmental Quality Review (CEQR) for the Gowanus Neighborhood Rezoning.

Site Features – The approximately 0.501-acre Site is currently vacant and comprises landscaped areas and asphalt-paved parking currently serving the existing residential building on remainder of Lot 25. The Site lies at elevations ranging from approximately 11 (eastern portion, along Bond Street) to 19 feet (western portion, along Carroll Street) above the National Geodetic Vertical Datum of 1988 (an approximation of sea level).

Current Zoning and Land Use – The Site is currently zoned as R6A (residential), see *Figure 5* in *Attachment C*.

The greater surrounding area consists of residential and commercial properties with some open space/parks, and industrial/manufacturing uses.

Past Use of the Site – Based on the review of the historical fire insurance maps included in ALC Environmental's June 2022 Phase I Environmental Site Assessment (ESA) (completed for a larger area that included the Site), the Site was historically occupied by mixed-use residential and retail buildings along Carroll Street, residential buildings along Bond Street and a portion of a factory constructed prior to 1886. Throughout its history, the factory consisted of various operations, including tobacco manufacturing, metal packaging, paper products and box manufacturing, as well as other various manufacturing processes, and a baking company. According to the City Directory listings, Cafaro Jos A. Trucking Co and Fine Arts Lamps Ltd, and Fine Arts In Plastic Inc., were also former tenants. Former structures were demolished sometime between 1982 and 1986, and the Site has remained vacant since. Currently, the Site is comprised of two parking lot areas and landscaping for the adjacent Mary Star of the Sea apartment complex building (constructed on the remainder of Lot 25). The Site is not currently owned by the Requestor. A copy of the current Site deed is provided in *Attachment B*.

Site Geology and Hydrogeology – On-Site surface topography slopes down to the east with elevations ranging from approximately 19 feet in the western portion to approximately 11 in the eastern portion, above

the National Geodetic Vertical Datum of 1988 (an approximation of sea level). The surrounding area topography also slopes to the east.

During a subsurface investigation performed by AKRF, Inc. (AKRF), the depth to water was recorded at approximately 11.6 to 11.9 feet below existing grade on the western portion, at approximately 9.8 feet below existing grade in the central portion, and at approximately 8 feet below existing grade in the eastern portion of the Site. Additional details are provided in *Section IV: Property's Environmental History.* Based upon the topography and subsurface investigation findings, groundwater is expected to flow in an easterly direction toward the Gowanus Canal. Actual groundwater table depth and flow direction at the Site may be affected by subsurface openings or obstructions such as basements or underground utilities. Groundwater in Brooklyn is not used as a source of potable water (the municipal water supply uses upstate reservoirs). Additionally, groundwater use is restricted by local New York City (NYC) law.

The stratigraphy of the Site observed during the Phase II Investigation consists of fill material (sand, gravel, silt, concrete, wood, brick, ceramic, slag, debris, asphalt, and glass) to boring termination, which was at a maximum depth of approximately 15 feet below grade. Bedrock was not encountered during the investigation.

Environmental Assessment – Based on available data collected to date, the primary contaminants of concern for the Site are: semivolatile organic compounds (SVOCs), primarily polycyclic aromatic hydrocarbons (PAHs) (commonly found in fill materials), and metals in soil; PAHs, metals, and perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) in groundwater; and chlorinated solvent-related and petroleum-related VOCs in soil vapor.

As described in *Section IV: Property's Environmental History*, the following soil, groundwater, and soil vapor conditions were identified during the Phase II Investigation:

Soil Quality Conditions

Laboratory data from AKRF's September 2023 Phase II Letter Report indicates that fill-related SVOCs, PCBs, pesticides, and metals were detected in soil samples across the Site. Of these detections, SVOCs and metals were reported at concentrations above their respective Restricted Residential Soil Cleanup Objectives (RRSCOs) in multiple samples. Specifically, ten SVOCs [2-methylphenol, 4-methylphenol, phenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a.h)anthracene, and indeno(1,2,3-cd)pyrene] were detected at concentrations above their respective UUSCOs and/or RRSCOs; total PCBs were detected at concentrations above their Unrestricted Use Soil Cleanup Objectives (UUSCOs); three pesticides [4,4'-DDD, 4,4'-DDE, and 4,4'-DDT] were detected at concentrations above their UUSCOs; and eight metals [arsenic, barium, cadmium, copper, lead, mercury, nickel, and zinc] were detected at concentrations above their respective UUSCOs and/or RRSCOs. Due to high concentration of total lead in one soil sample, the sample was also analyzed for toxicity characteristic leaching procedure (TCLP) lead and the results were below the threshold limit for hazardous waste.

The soil contaminants appear to be associated with Site-wide historic fill materials (noted during the subsurface investigation) and former uses at the Site.

Exceedances of UUSCOs, RRSCOs, and/or Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) in soil samples are shown on *Figure 6* in *Attachment C*.

Groundwater Quality Conditions

Laboratory data from AKRF's September 2023 Phase II Letter Report indicates that fill-related SVOCs, metals, and PFAS were detected in groundwater samples across the Site above their respective AWQSGVs. Specifically, four PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and

chrysene, were detected at concentrations above their respective AWQSGVs; ten total (unfiltered) metals and three dissolved (filtered) metals were detected above AWQSGVs; and PFOA was detected above the guidance value of 6.7 ng/L and PFOS was detected above the guidance value of 2.7 ng/L in one or more samples.

Exceedances of the AWQSGVs and NYSDEC Ambient Water Quality Guidance Values for PFAS in the groundwater samples are shown on *Figure 7* in *Attachment C*.

Soil Vapor Quality

Petroleum-related VOCs, including, butane, n-hexane and n-heptane, and solvent-related VOCs including, but not limited to, 1,2-dichloropropane, acetone, carbon tetrachloride, dichlorodifluoromethane, tetrachloroethylene (PCE), and trichloroethylene (TCE), were detected in the soil vapor samples with the highest concentrations detected on the central and eastern portions of the Site. The soil vapor contaminants can be attributed to historic on-Site and/or surrounding uses.

Soil vapor sample results are shown on *Figure 8* in *Attachment C.*

SECTION II: Project Description

2. Remedial Investigation Report

The project is seeking to enter the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) at the investigation stage. Although an initial investigation has been completed, a Remedial Investigation (RI) will be completed to further delineate subsurface impact at the Site.

3. Remedial Investigation Work Plan

This BCP Application is being submitted concurrently with a Draft Remedial Investigation Work Plan (RIWP). The RI, to be completed in accordance with the RIWP after approval by the New York State Department of Environmental Conservation (NYSDEC), will be conducted in compliance with ECL Article 27-1415(2); and all applicable federal, state, and local regulations.

4. Project Description and Schedule

The "John Tynan Senior Residence" project site (the "Site") is located in the Gowanus neighborhood of Brooklyn, New York. The approximately 21,807-square feet (0.501-acre) Site is currently vacant and comprises landscaped areas and asphalt-paved parking currently serving the existing residential building on remainder of Lot 25. A Site Location Map and Site Plan are included in *Attachment C* as *Figures 1* and *2,* respectively.

Specific construction details regarding the proposed redevelopment project are pending; however, the general redevelopment plan for the Site includes approximately 121 units of affordable senior housing, approximately 3,573-square feet of indoor amenity space, and 7,843 outdoor amenity space. The Applicant's plan is to remediate the Site in conjunction with construction of the proposed new building. It is anticipated that the remedial action will begin in January 2025 and the Certificate of Completion (COC) will be obtained in December 2025. The preliminary project schedule, shown in *Table 1*, is subject to change.

Estimated Project Schedule:

The Certificate of Completion (COC) is anticipated to be obtained in December 2025. The BCP project will likely include some or all of the activities listed below. This preliminary project schedule is subject to change.

Table 1
Estimated Project Schedule

Activity	Estimated Date
BCP application and draft Remedial Investigation Work Plan (RIWP) submitted to NYSDEC.	October 2023
NYSDEC completeness check of BCP application and determination that application is complete/incomplete.	November/December 2023
NYSDEC Issues BCP Application Letter of Completeness	December 2023
30-day Public Comment Period Initiated (Environmental News Bulletin, Newspaper)	January 2024
Execute BCP Agreement (BCA)	February 2024
Citizen Participation Plan (CPP) Submitted to NYSDEC	February/March 2024
Receive NYSDEC comments to draft RIWP.	March 2024
Submit revised RIWP and NYSDEC approves the document.	March 2024
Conduct Remedial Investigation (RI)	April/May 2024
Prepare and submit draft Remedial Investigation Report and the draft Remedial Action Work Plan (RAWP)	July 2024
Initiate 45-day Public Comment Period (Environmental News Bulletin, Newspaper).	August 2024
Receive comments on Draft RAWP and RIR.	August/September 2024
Submit revised RIR and RAWP, and NYSDEC approves both documents, and issues Decision Document (DD)	October 2024
Issue Remedial/Construction Notice Fact Sheet	November 2024
Construction Closing with Housing Preservation and Development (HPD)	December 2024
Begin Redevelopment (Construction) with Implementation of RAWP	January 2025
Submittal of Environmental Easement Package	By July 1, 2025
Draft Site Management Plan (SMP) Submitted to NYSDEC	By September 1, 2025
Draft Final Engineering Report (FER) and Fact Sheet	By October 1, 2025
NYSDEC and NYSDOH Approval of FER and SMP	By November 30, 2025
Issue Certificate of Completion (COC)	December 2025

SECTION III: Land Use Factors

5. Current Uses/Operations

Site layout and a property description is included in Section I, Part 1 of this document. The Site is vacant and comprises landscaped areas and asphalt-paved parking currently serving the existing residential building on remainder of Lot 25. The Site was historically occupied by mixed-use residential and retail buildings along Carroll Street, residential buildings along Bond Street and a portion of a factory which was

constructed prior to 1886. Former structures were demolished sometime between 1982 and 1986 and the Site has remained vacant since. No potential contamination sources were visually observed based on the current Site use.

6. Proposed Post-Remediation Use

The proposed post-remediation use includes a newly constructed 8-story, 100% affordable senior housing development with 121 units (including an on-site superintendent's unit). Of the 121 units, 30% will be set aside for formerly homeless seniors. The building will contain 3,575 square feet of indoor amenity space for the residents and 7,843 square feet of outdoor recreation space. The building will utilize all electric systems, be designed to Passive House standards, and incorporate aging in place practices including roll-in showers, grab bars in bathrooms, ADA convertible vanities, handrails in corridors, ADA-compliant appliances, and a nurse-pull system. As the project houses a vulnerable population, an emergency backup generator will be used to power tenant recreation spaces in the event of prolonged loss of utility service. The building will have two elevators as well as centrally located stairs to encourage physical activity of residents. 24-hour front desk security will be provided and each unit will contain an audio intercom state to provide 2-way communication between each unit and the lobby. All tenant recreational areas as well as staff offices will have key card-controlled access.

The project is being developed through the New York City Department of Housing Preservation and Development's Senior Affordable Rental Apartments (SARA) Program with tax-exempt bonds and Low-Income Housing Tax Credits through the New York City Housing Development Corporation (HDC). It is anticipated that the building will receive Section 8 Project Based Vouchers through the New York City Housing Authority for rental assistance for all units with service and operating funds through the New York City 15/15 Supportive Housing Initiative for the formerly homeless tenants.

7. Do Current and/or Recent Development Patterns Support the Proposed Use?

Yes, the affordable senior housing development will occupy the Site.

8. Proposed Post-Remediation Use Consistent with Applicable Zoning

The current zoning for the Site is residential (R6A). The proposed development of the Site would be in conformance with R6A zoning requirements.

9. Proposed Post-Remediation Use Consistent with Land Use Plans

The proposed post-remediation use is consistent with the applicable land use plans. The proposed development complies with the current zoning of the Site and would provide affordable housing units on the Site as part of the goals of the Mayor's Housing New York: A Five-Borough, Ten-Year Plan.

SECTION IV: Property's Environmental History

The following figures are included in *Attachment C*:

- Figure 1 – BCP Site Location
- Figure 2 – Site Plan
- Figure 3 – Tax Map
- Figure 4 – Surrounding Land Use
- Figure 5 – Zoning Map
- Figure 6 –Soil Sample Concentrations Above NYSDEC UUSCOs, RRSCOs, and/or PGWSCOs

- Figure 7 – Groundwater Sample Concentrations Above NYSDEC AWQSGVs and NYSDEC PFAS Guidance Values
- Figure 8 – Soil Vapor Concentrations

10. Environmental Reports

Copies of the following previous environmental studies for the Site are included as *Attachment D* (electronic copies only):

- *Phase I Environmental Site Assessment, 41 First Street, Brooklyn, New York, ALC Environmental, June 13, 2022*
- *Phase II Letter Report, 41 First Street, Brooklyn, New York, AKRF, Inc., October 10, 2023*

The Requestor believes that there is sufficient information to demonstrate significant contamination warranting remediation under the BCP. The Requestor further believes that the contamination identified is related to historic fill and prior uses at the Site. The Requestor, as a Volunteer under the BCP, seeks to enroll in the program to remediate the Site in a timely manner under the oversight of the New York State Department of Environmental Conservation (NYSDEC).

The previous environmental studies are summarized below:

Phase I Environmental Site Assessment – 41 1st Street, Brooklyn, NY, ALC Environmental, June 2022

ALC Environmental performed a Phase I ESA in June 2022 for a larger Property, which included the Site, and while no Recognized Environmental Conditions (RECs) were noted, the following were identified:

- The Site contains an E-Designation for hazardous materials and noise and is listed in the New York City Department of City Planning E-Designation database as E-601. E-601 was established following the review of an Environmental Assessment Statement (EAS) prepared to satisfy the requirements of the City Environmental Quality Review (CEQR) for the Gowanus Neighborhood Rezoning.
- Based on the review of the historical fire insurance maps included in in the Phase I ESA, the Site was historically occupied by mixed-use residential and retail buildings along Carroll Street, residential buildings along Bond Street and a portion of a factory which was constructed prior to 1886. Throughout its history, the factory building consisted of various operations, including tobacco manufacturing, metal packaging, paper products and box manufacturing, as well as other various manufacturing processes, and a baking company. According to the city directory listings, Cafaro Jos A. Trucking Co and Fine Arts Lamps Ltd, and Fine Arts In Plastic Inc., were also listed as former tenants. Former structures were demolished sometime between 1982 and 1986 and the Site has remained vacant since.

The Phase I ESA had the following recommendations:

Regarding the E-Designations (E-601) associated with the Subject Property (Hazardous Materials Phase I and Phase II Testing Protocol and Window Wall Attenuation & Alternate Ventilation), prior to any redevelopment activities or issuance of building permits, the requirements of the referenced E-Designations should be satisfied under the supervision of the Office of Environmental Remediation (OER).

A copy of the report is included in *Appendix C*.

Phase II Sampling Letter Report – 41 1st Street, Brooklyn, NY, AKRF, Inc., October 2023

AKRF Inc. (AKRF) conducted a Phase II ESA at the Site in August 2023. The Phase II was conducted in accordance with an OER-approved work plan submitted as part of the E-designation process and included: a geophysical survey to identify the presence of any underground storage tanks (USTs) or any buried

aboveground storage tanks (ASTs) across the accessible portions of the Site; the advancement of 10 soil borings with the collection of 20 soil samples; installation of 4 temporary groundwater wells with the collection of 4 groundwater samples; and the installation of 6 temporary soil vapor probes with the collection of 6 soil vapor samples. Soil samples were slated for laboratory analysis of volatile organic compounds (VOCs) by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, and total analyte list (TAL) metals by EPA Method 6000/7000 series plus hexavalent chromium by EPA Method 7196A. Three of the soil samples were also analyzed for 1,4-dioxane by EPA Method 8270 and the NYSDEC list of 40 per- and polyfluoroalkyl substances (PFAS) compounds by EPA Method 1633. Groundwater samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, and total and dissolved TAL metals by EPA Method 6000/7000 series. Metals filtering occurred in the field. Three of the groundwater samples were also analyzed for 1,4-dioxane by EPA Method 8270D Selective Ion Monitoring (SIM) and the NYSDEC list of 40 PFAS compounds by EPA Method 1633. Soil vapor samples were analyzed for VOCs by EPA Method TO-15. The results of the investigations indicated the following:

- No signs of an anomaly consistent with the presence of a UST or a buried AST were identified by the geophysical survey.
- The soil analytical results revealed that concentrations of SVOCs, pesticides, PCBs, metals, and PFAS were detected above laboratory detection limits in the soil samples, with some concentrations the NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and/or the Restricted Residential Soil Cleanup Objectives (RRSCOs).
- The groundwater analytical results revealed that concentrations of SVOCs, metals, and PFAS were detected above laboratory detection limits in the groundwater samples, with some concentrations above the NYSDEC Technical and Operational Guidance Series (TOGs) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQSGVs) or ambient water quality guidance values noted in the Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) guidance document dated April 2023.
- The soil vapor analytical results identified elevated concentrations of the chlorinated VOCs (CVOCs) tetrachloroethylene (PCE) and carbon tetrachloride in the soil vapor samples. Additionally, petroleum-related and other solvent-related VOCs were identified in multiple samples.

SECTION V: Requestor Information

11. New York State Department of State's Corporation and Business Entity

The New York State Department of State's (NYSDOS) Division of Corporations Entity Database information for Catholic Charities Progress of Peoples Development Corporation (the Requestor), and a copy of the current deed is included in *Attachments A and B,* respectively.

12. Members/Owners Info

Requestor info:

Catholic Charities Progress of Peoples Development Corporation
191 Joralemon Street
Brooklyn, NY 11201
Phone: (718) 722-6044
Contact: Jennifer Swift, Jennifer.swift@ccbq.org

Current Owner Info:

Mary Star of the Sea Senior Housing Development Fund Corporation
191 Joralemon Street
Brooklyn, NY 11201
Phone: (718) 722-6044
Contact: Jennifer Swift, Jennifer.swift@ccbq.org

SECTION VI: Requestor Eligibility

13. Volunteer Status

In accordance with the definitions outlined in ECL § 27-1405(1), the applicant is considered a Volunteer, as its liability arises solely as a result of its ownership of the Site subsequent to the disposal of contaminants, and it exercises and will exercise appropriate care with respect to contamination found at the facility by taking reasonable steps to stop any continuing release; prevent any threated future release; and prevent or limited human environmental, or natural resource exposure to any previously released contamination. Applicant has performed Phase I and Phase II diligence before buying the Site and has promptly applied to the Brownfield Cleanup Program, and prepared a Remedial Investigation Work Plan, in an effort to address environmental conditions as expeditiously as possible.

14. Proof of Site Access

The Requestor is currently in contract to acquire the Site. Copy of the access agreement between the Requestor and current property owner of the Site is provided in *Attachment B.*

SECTION VII: Current/Former Property Owner and Operator Information

A list of known current property owners and operators is provided in Tables 2 and 3, below. A copy of the current Site deed comprising the Site is provided in *Attachment B*.

Table 2
Current Property Owner

Address	Property Owner	Years of Ownership	Status of Entity (Alive, Deceased, Active, Inactive)	Current/Last Known Address/Phone Number (if available)	Relationship to Requestor(s)
344 Carroll Street	Mary Star of the Sea Senior Housing Development Fund Corporation	18	Active	191 Joralemon Street Brooklyn, NY 11201 718-722-6044	Affiliated Entity

Table 3
Current Property Operator

Address	Current Operator/Occupant*	Years in Operation	Active/Inactive Operator	Address/Phone Number	Relationship to Requestor(s)
344 Carroll Street	Progress of Peoples Management Corporation	2005 - Present	Active	191 Joralemon Street Brooklyn, NY 11201 718-722-6044	Affiliated Entity

A list of previous property owners and occupants is provided in Tables 4 and 5, below.

Table 4
Previous Property Owners

Address	Former Owner	Years of Ownership	Status of Entity (Alive, Deceased, Active, Inactive)	Current/Last Known Address/Phone Number (if available)	Relationship to Requestor(s)
344 Carroll Street	Mary Star of the Sea Senior Housing Development Fund Corporation (HDFC)	2005-Present	Active	191 Joralemon Street Brooklyn, NY 11201 718-722-6044	Affiliated Entity
	City of New York	1986	Active	City Hall, Borough of Manhattan, New York 212-504-4115	None
	Carroll Street Housing Development Fund Company, Inc.	1984	Inactive	191 Joralemon Street Brooklyn, NY 11201 718-722-6044	Affiliated Entity
	City of New York	1979	Active	City Hall, Borough of Manhattan, New York 212-504-4115	None
	Lynn Pressman	1977	Inactive	Unknown	None
	Fine Art Lamps Ltd	1970	Inactive	Unknown	None
	Jack M. Blumberg	1969	Inactive	Unknown	None
	344-360 Caroll Street Corp.	1969	Inactive	Unknown	None
	Lynn Pressman	-	Inactive	Unknown	None

Table 5
Previous Property Operators

Address	Previous Operator	Years of Ownership	Status of Entity (Alive, Deceased, Active, Inactive)	Current/Last Known Address/Phone Number (if available)	Relationship to Requestor(s)
366 Carroll Street	Cafaro Jos A Trucking Co	1960	Inactive	Unknown	None
	Burns Geo Lab H	1934	Inactive	Unknown	None
	Mannix James Restaurant	1928	Inactive	Unknown	None
368 Carroll Street	Cruz Fermin	1976	Inactive	Unknown	None
	McNamara K	1970	Inactive	Unknown	None
	Daly Raymond	1960	Inactive	Unknown	None
	Mannix J Restaurant	1940 - 1970	Inactive	Unknown	None
	Menacker Anna Mrs, Menaker Anna, Menaker Benj,m F MW Ascher, Cath Burns, Jasp Burns, Mary Burns	1934	Inactive	Unknown	None
	Deutsch A Mis Cigars	1928	Inactive	Unknown	None
346 Carroll Street	Blumberg Industries Inc, Design 400 LTD, Fine Arts Lamps LTD, Fine Arts In Plastic Inc	1976	Inactive	Unknown	None

Table 5
Previous Property Operators

Address	Previous Operator	Years of Ownership	Status of Entity (Alive, Deceased, Active, Inactive)	Current/Last Known Address/Phone Number (if available)	Relationship to Requestor(s)
	Artistic Box Corp, Blumberg Industries Inc, Fine Art Lamps LTD, Fine Arts In Plastic Inc	1976, 1973	Inactive	Unknown	None
	Fine Art Lamps Ltd, Artistic Paper Box Co Inc, Fine Arts in Plastic Inc, Pressman Lynn	1970	Inactive	Unknown	None
	Elias Irving paper boxes, Chemcest of NY Inc, Happy Mates Shoe Co Inc, Jouet Inc, KB Doll Corp, Fine Arts in Plastic Inc, Artistic Paper Box Co Inc	1965	Inactive	Unknown	None
	Blumberg Jack M, Colombia Lamps, Fine Arts in Plastic Inc. Jouet Inc, Krieger Rosen Shoe Co, Martin Paper Box Mfg Co, Silby Martin V paper boxes	1960	Inactive	Unknown	None
	Jacobs Fed Shoe & Slipper Mfg Corp, Justrite Toy Works Inc, Martin Paper Box Mfg Corp, Silby Martin V paper boxes	1949	Inactive	Unknown	None
	Eibetz Max Toys, Martin Paper Box Co, Pressman Jack & Co Toy Mfrs	1945	Inactive	Unknown	None
	Service Candy Express, Silby Martin V paper boxes, Eagle Cone Corp, Futterman Sam, Feturistic Paper Box Co Inc, Maryland Match Co, Maryland Paper Prods Co	1940	Inactive	Unknown	None
	Metal Package Corp Factory	1934, 1928	Inactive	Unknown	None
358 Carroll Street	Mann C	1997	Unknown	Unknown	None
360 Caroll Street	Mc Namara K	1973	Inactive	Unknown	None
356, 360, 362, 364, 366, 368 and 370 Bond Street	Residential Occupants	Approximately 1886 – 1981 (some of which were vacated earlier)	Inactive	Unknown	None

SECTION VIII: Site Contact List

15. Local, State, and Federal Officials

Hon. Eric Adams Mayor of New York City City Hall Park New York, NY 10007	Hon. Brad Lander New York City Comptroller Office of the Comptroller, City of NY 1 Centre Street, Room 517 New York, NY 10007
Jumaane D. Williams Office of the Public Advocate Public Advocate 1 Centre Street, 15th Floor New York, NY 10007	Antonio Reynoso Brooklyn Borough President 209 Joralemon St Brooklyn, NY 11201
Jo Anne Simon State Assembly District 52 341 Smith Street Brooklyn, NY 11231	Shahana Hanif City Council District 39 456 5th Ave - 3rd Floor Brooklyn, NY 11215
Dan Garodnick, Chair NYC Department of City Planning 120 Broadway, 31st Floor New York, NY 10271	NYC Department of City Planning Brooklyn Borough Office (Temporary Relocation) 120 Broadway, 31st Floor New York, NY 10271
Hon. Charles Schumer U.S. Senate 780 3rd Avenue, Suite 2301 New York, NY 10017	Hon. Kirsten Gillibrand U.S. Senate 780 3rd Avenue, Suite 2601 New York, NY 10017
Hon. Hakeem S. Jeffries U.S. House of Representatives (NY-08) 55 Hanson Place Suite 603 Brooklyn, NY 11217	Hon. Kathy Hochul Governor of NY State NYS State Capitol Building Albany, New York 12224
Mark McIntyre, Director Mayor's Office of Environmental Remediation 100 Gold Street, 2nd Floor New York, NY 10038	Mark Chambers, Director Mayor's Office of Climate & Sustainability 253 Broadway, 14th Floor New York, New York 10007
Pinar Balci, Assistant Commissioner Bureau of Environmental Planning and Analysis NYCDEP 59-17 Junction Boulevard, 11th Floor Flushing, NY 11373	Hon. Milton Tingling New York County Clerk 60 Centre Street, Room 161 New York, NY 10007
Rohit T. Aggarwala Commissioner, NYCDEP 59-17 Junction Boulevard, 13th Floor Flushing, NY 11373	Andrew Gounardes New York State Senator, 26th District 497 Carroll St, Suite 31 Brooklyn, NY 11215
Mary Star of the Sea Senior Housing Development 344 Carroll Street Brooklyn, NY 11215	Catholic Charities Progress of Peoples Development Corporation 191 Joralemon Street Brooklyn, NY 11201
Peter D. Fleming, Chairperson Brooklyn Community Board 6 250 Baltic Street Brooklyn, New York 11201	

16. Residents, Owners, and Occupants of the Site and Adjacent Properties

A list of adjacent properties, owners and occupants is provided below:

Block/Lot	Owner	Occupant
451/34	Richard T Beaman 362 Carroll Street Brooklyn, NY 11231	Residential Occupants
451/35	Joseph A Gagliardo 364 Carroll Street Brooklyn, NY 11231	Residential Occupants
451/43	Antonio Trigo 372 Bond Street Brooklyn, NY 11231	Residential with Commercial below
451/53	Anthony Jr Cretella 39 1st Street Brooklyn, NY 11231	Residential Occupants
451/23	Pujals Irrevocable Trust 342 Carroll Street Brooklyn, NY 11231	Residential Occupants
444/7503	Unavailable Owner 345 Carroll Street Brooklyn, NY 11231	Residential Occupants
444/7501	President Street Condominium Assoc. 402 President Street Brooklyn, NY 11231	Residential Occupants
444/7502	Unavailable Owner 342 Bond Street Brooklyn, NY 11231	Residential Occupants
444/46	Canal Corner LLC 354 Bond Street Brooklyn, NY 11231	Residential Occupants
445/1	E & M Realty Corp 335 Bond Street Brooklyn, NY 11231	Commercial and Office Buildings
452/5	Fire Department of New York 347 Bond Street Brooklyn, NY 11231	City Fire Department
452/1	363 Gowanus Developers, LLC 363 Bond Street Brooklyn, NY 11231	Residential with Commercial below

17. Local News Media

Brooklyn Reporter 16 Court Street, 30th Floor Brooklyn, NY 11241	The New York Times 229 West 43rd Street New York, NY 10036
WNBC News 4 30 Rockefeller Plaza New York, NY 10012	WNYW Fox 5 205 East 67th Street New York, NY 10021
New York 1 News	1010 Wins – CBS Radio

75 Ninth Avenue New York, NY 10011	888 7th Avenue, 10th Floor New York, NY 10106

18. Public Water Supply

Public water is provided by The City of New York, Department of Environmental Protection:

Customer Service Center
59-17 Junction Boulevard, 13th Floor
Flushing, New York 11373

Vincent Sapienza
Commissioner, NYCDEP
59-17 Junction Boulevard
Flushing, NY 11373

19. Additional Contacts

None

20. Nearby Schools and Daycare Centers

<table>
<tr><th colspan="2">Schools</th></tr>
<tr><td>Public School 032 Samuel Mills Sprole
Denise Watson-Adin, Principal
420 Union Street
Brooklyn, NY 11231
(718) 222-6400
Distance: 425 feet northwest of the Site</td><td>Hannah Senesh Community Day School
Nicole Nash, Head of School
342 Smith Street
Brooklyn, NY 11231
(718) 858-8663
Distance: 1,204 feet west of the Site</td></tr>
<tr><td>Public School 058 The Carroll
Carolyn Rogalsky, Director
330 Smith Street
Brooklyn, NY 11231
(718) 330-9322
Distance: 1,292 feet west of the Site</td><td>The Little Brooklyn Pre-K Center
Administrator Unknown
305-307 3rd Avenue
Brooklyn, NY 11215
(718) 237-6720
Distance: 1,380 feet southeast of the Site</td></tr>
<tr><td colspan="2">Rivendell School
Katy Hill, Executive Director
277 Third Avenue
Brooklyn, NY 11215
(718) 499-5667
Distance: 1,388 feet northeast of the Site</td></tr>
<tr><th colspan="2">Daycare Facilities</th></tr>
<tr><td>Smith Street Workshop
Administrator Unknown
388 Carroll Street
Brooklyn, NY 11231
(718) 852–8257
Distance: 270 feet east of the Site</td><td>Ladybug Preschool
Maya Chichinadze, Founder
413 Smith Street
Brooklyn, NY 11231
(347) 581-1891
Distance: 1,222 feet southwest of the Site</td></tr>
<tr><td colspan="2">Little Brooklyn Playschool
Kate and Silas
114 2nd Place
Brooklyn, NY 11231
(718) 596-6955
Distance: 1,456 feet southwest of the Site</td></tr>
</table>

21. Document Repository

Brooklyn Public Library, Pacific Branch
24 Fourth Avenue
Brooklyn, NY 11217
(718) 638-1531

NYC Brooklyn Community Board 6
250 Baltic Street
Brooklyn, NY 11201
(718) 643-3027

Acknowledgements from the Brooklyn Public Library (Pacific Branch) and the NYC Brooklyn Community Board 6 are included in *Attachment E*.

ATTACHMENT A

NYS DEPARTMENT OF STATE'S CORPORATE AND BUSINESS ENTITY DATABASE INFORMATION AND SITE SURVEY METES AND BOUNDS DESCRIPTION

Department of State
Division of Corporations

Entity Information

Return to Results | Return to Search

Entity Details

ENTITY NAME: CATHOLIC CHARITIES PROGRESS OF PEOPLES DEVELOPMENT CORPORATION

DOS ID: 395420

FOREIGN LEGAL NAME:

FICTITIOUS NAME:

ENTITY TYPE: DOMESTIC NOT-FOR-PROFIT CORPORATION

DURATION DATE/LATEST DATE OF DISSOLUTION:

SECTIONOF LAW: -

ENTITY STATUS: ACTIVE

DATE OF INITIAL DOS FILING: 03/26/1976

REASON FOR STATUS:

EFFECTIVE DATE INITIAL FILING: 03/26/1976

INACTIVE DATE:

FOREIGN FORMATION DATE:

STATEMENT STATUS: NOT REQUIRED

COUNTY: KINGS

NEXT STATEMENT DUE DATE:

JURISDICTION: NEW YORK, UNITED STATES

NFP CATEGORY: CHARITABLE

ENTITY DISPLAY | NAME HISTORY | FILING HISTORY | MERGER HISTORY | ASSUMED NAME HISTORY

Service of Process on the Secretary of State as Agent

The Post Office address to which the Secretary of State shall mail a copy of any process against the corporation served upon the Secretary of State by personal delivery:

Name: THE CORPORATION

Address: 191 JORALEMON STREET, BROOKLYN, NY, UNITED STATES, 11201

Electronic Service of Process on the Secretary of State as agent: Not Permitted

Chief Executive Officer's Name and Address

Name:

Address:

Principal Executive Office Address

Address:

Registered Agent Name and Address

Name: PROGRESS OF PEOPLES DEVELOPMENT CORP.

Address: 191 JORALEMON ST., BROOKLYN, NY, 11201

Entity Primary Location Name and Address

Name:

Address:

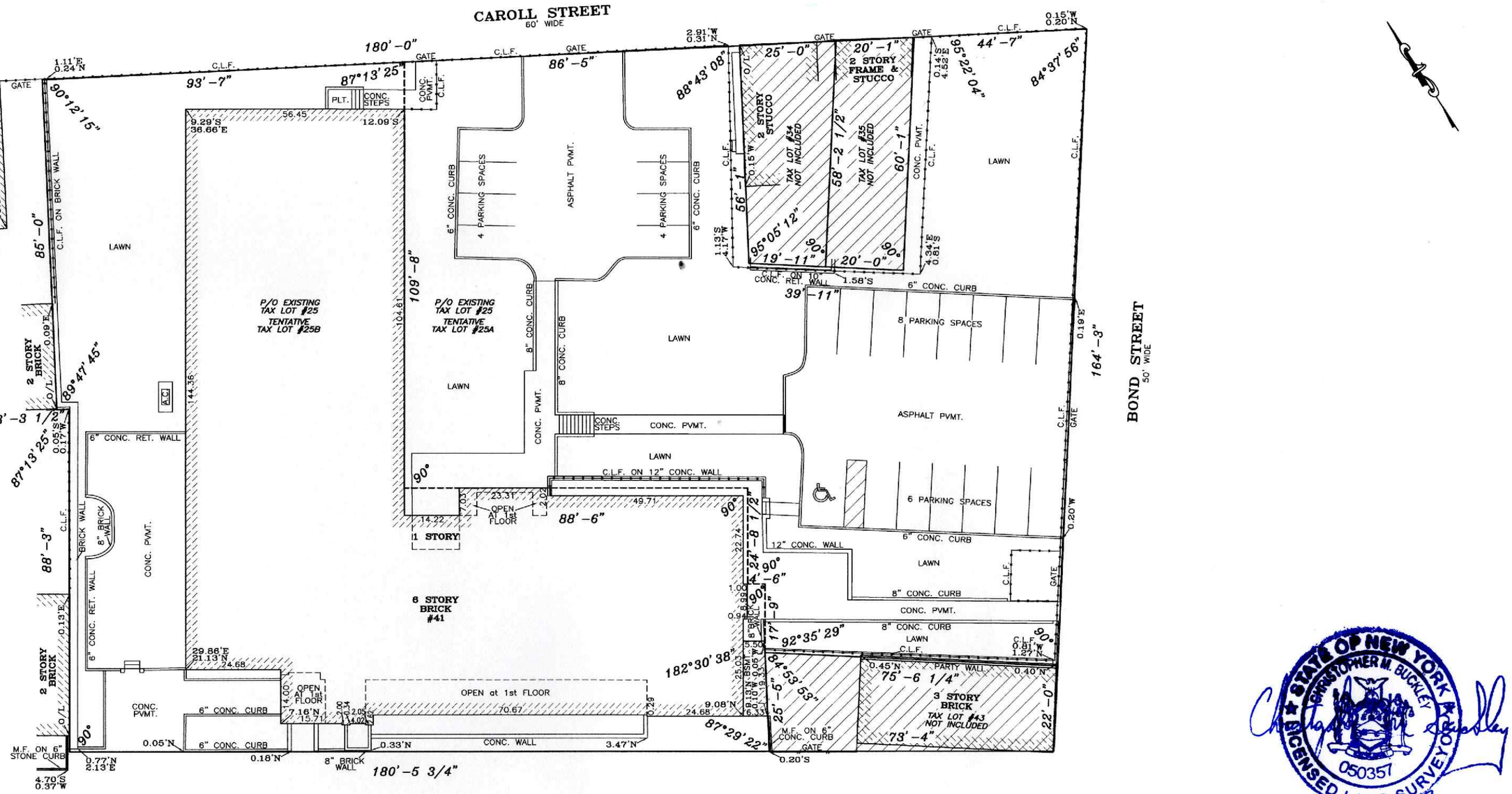
Farmcorpflag

Is The Entity A Farm Corporation: NO

Stock Information

Share Value	Number Of Shares	Value Per Share

LEGEND:
AIR CONDITIONER — A.C.
EARTH/EN GROUND — E.G.
CONCRETE — CONC.
PAVEMENT — PVMT.
PLATFORM — PLT.
CHAIN LINK FENCE — C.L.F.
METAL FENCE — M.F.
RETAINING — RET.



TAX LOT #25A AREA IS 21807.4 sq.ft.
TAX LOT #25B AREA IS 20751.4 sq.ft.
TOTAL LOTS AREA IS 42559 sq.ft.
FOR BUILDING DEPARTMENT USE ONLY

THE OFFSETS OR DIMENSIONS SHOWN FROM THE STRUCTURES TO THE PROPERTY LINES ARE FOR A SPECIFIC PURPOSE AND USE AND THEREFORE ARE NOT INTENDED TO GUIDE THE ERECTION OF FENCES, RETAINING WALLS, POOLS, PLANTING AREAS, ADDITIONS TO STRUCTURES AND ANY OTHER CONSTRUCTION.

THE EXISTENCE OF RIGHT OF WAYS AND/OR EASEMENTS OF RECORD, IF ANY, NOT SHOWN ARE NOT CERTIFIED.

PRECISION SURVEYS
TITLE • ARCHITECTURAL • BOUNDARY • CONSTRUCTION
40 FRANKLIN AVE. FRANKLIN SQUARE, N.Y. 11010
Ph. • (718)472-1571 • (516)488-1608
CHRISTOPHER M. BUCKLEY
PROFESSIONAL LAND SURVEYOR

STATE OF NEW YORK
CHRISTOPHER M. BUCKLEY
050357
LICENSED LAND SURVEYOR
9/20/23

SURVEY OF: Described Property

LOCATED AT:
41 First Street, Brooklyn
County of Kings
City and State of New York

TAX DESIG: Block 451, Existing Lot 25, Tentative 25A, 25B

CERTIFIED TO:
Catholic Charities Progress of Peoples Development Corp.

DATE: September 20, 2023
SCALE: 1"=20'

Job No. 51334
Drawn By: MM

SCHEDULE "A"

All that certain plot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at the corner formed by the intercestion of the westerly side of Bond Street with the southerly side of Caroll Street;

RUNNING THENCE southerly along the westerly side of Bond Street, a distance of 164 feet 3 inches to a point;

THENCE westerly at right angles to Bond Street and part of the distance through a party wall, a distance of 75 feet 6 1/4 inches to a point;

THENCE northerly on a line forming an interior angle 92 degrees 35 minutes 29 seconds with the last mentioned course, a distance of 17 feet 9 inches to a point;

THENCE westerly at right angles to the last mentioned course, a distance of 4 feet 6 inches to a point;

THENCE northerly at right angles to the last mentioned course, a distance of 24 feet 8 1/2 inches to a point;

THENCE westerly at right angles to the last mentioned course, a distance of 88 feet 6 inches to a point;

THENCE northerly at right angles to the last mentioned course, a distance of 109 feet 8 inches to a southerly side of Caroll Street;

THENCE easterly along the southerly side of Caroll Street, a distance of 86 feet 5 inches to a point;

THENCE southerly on a line forming an interior angle 88 degrees 43 minutes 08 seconds with the southerly side of Caroll Street, a distance of 56 feet 1 inches to a point;

THENCE easterly on a line forming an exterior angle 95 degrees 05 minutes 12 seconds with the last mentioned course, a distance of 39 feet 11 inches to a point;

THENCE northerly at right angles to the last mentioned course, a distance of 60 feet 1 inches to a southerly side of Caroll Street;

THENCE easterly along the southerly side of Caroll Street, a distance of 44 feet 7 inches to the point or place of **BEGINNING**.

Block: 451 Tentative Lot: 25A

ATTACHMENT B

PROPERTY DEED, ACCESS AGREEMENT, AND AUTHORIZED SIGNATORY CONFIRMATION DOCUMENT

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2006010402105001001E44F0

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 6**

Document ID: 2006010402105001 Document Date: 12-29-2005 Preparation Date: 01-04-2006
Document Type: DEED
Document Page Count: 4

PRESENTER:	**RETURN TO:**
LEX TERRAE, LTD / PICK UP 331 MADISON AVENUE 9TH FL/K235758 AMP NEW YORK, NY 10017 212-599-1300 AS AGENTS FOR OLD REPUBLIC	JOSEPH LYNCH 437 MADISON AVE NY, NY 10017

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BROOKLYN	451	25	Entire Lot	344 CARROLL STREET

Property Type: APARTMENT BUILDING

CROSS REFERENCE DATA

CRFN_____ *or* Document ID_____ *or* _____ Year____ Reel ___ Page____ *or* File Number_____

PARTIES

GRANTOR/SELLER:	**GRANTEE/BUYER:**
MARY STAR OF THE SEA HOUSING DEVELOPMENT FUND COMPANY, INC., 191 JORALEMON ST BROOKLYN, NY 11201 x Additional Parties Listed on Continuation Page	MARY STAR OF THE SEA SENIOR HOUSING DEVELOPMENT FUND CORPORATION// 191 JORALEMON BROOKLYN, NY 11201

FEES AND TAXES

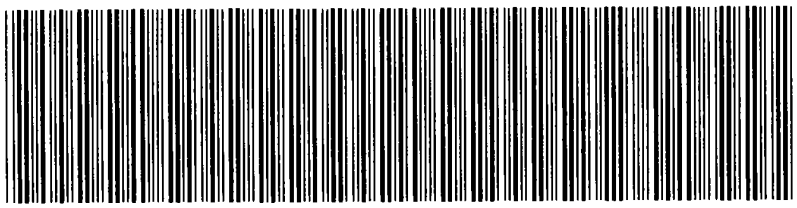
Mortgage		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00

Recording Fee: $	57.00
Affidavit Fee: $	0.00
NYC Real Property Transfer Tax Filing Fee: $	165.00
NYS Real Estate Transfer Tax: $	44,000.00

NYC HPD Preliminary Residential Property Transfer Form

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 01-06-2006 16:43
City Register File No.(CRFN):
2006000010041

City Register Official Signature

NYC DEPARTMENT OF FINANCE OFFICE OF THE CITY REGISTER	 2006010402105001001C4670

RECORDING AND ENDORSEMENT COVER PAGE (CONTINUATION) **PAGE 2 OF 6**

Document ID: 2006010402105001 Document Date: 12-29-2005 Preparation Date: 01-04-2006

Document Type: DEED

PARTIES

GRANTOR/SELLER:

CARROLL STREET HOUSING DEVELOPMENT
FUND COMPANY, INC., 191 JERALEMON ST.
BROOKLYN, NY 11201

BARGAIN AND SALE DEED WITH COVENANT AGAINST GRANTOR'S ACTS

STANDARD NYBTU FORM 8007

THIS INDENTURE, made the 29th day of December, two thousand and five, between

Mary Star of the Sea Housing Development Fund Company, Inc. f/k/a Carroll Street Housing Development Fund Company, Inc., with an address at 191 Joralemon Street, Brooklyn, NY 11201, party of the first part, and

Mary Star of the Sea Senior Housing Development Fund Corporation ("HDFC") with an address at 191 Joralemon Street, Brooklyn, NY 11201, as solely nominee for Mary Star of the Sea Senior Apartments, L.P. ("Partnership"), pursuant to that certain Nominee Agreement dated December 29, 2005 by and between the HDFC and the Partnership, party of the second part,

WITNESSETH, that the party of the first part, in consideration of $10.00 (Ten Dollars), lawful money of the United States, paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Brooklyn, City and State of New York, being bounded and described as set forth in Exhibit A, attached hereto.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof,

TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises,

TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

THIS DEED is given pursuant to an Order of the Supreme Court, Kings County Index No. 3524 73/05 dated December 27, 2005 and filed in the Office of the Clerk of Kings County.

AND the party of the first part, covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

Mary Star of the Sea Housing Development Fund Company, Inc.

By: Jeanne M. Diulio
Title: Secretary

State of New York)
) ss.:
County of Kings)

On the 17 day of December in the year 2005 before me, the undersigned, personally appeared Jeanne M. Diulio personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

JOSEPH J. LYNCH
Notary Public, State of New York
No. 02LY6125301
Qualified in King County
My Commission Expires 04/11/2009

Catholic Charities
Progress of Peoples Development Corporation
191 Joralemon Street, 8rd Floor
Brooklyn, NY 11201

T 718 722 6000
F 718 722 6045

www.ccbq.org

Mary Star of the Sea Senior Housing Development Fund Corporation
Attn: Jeanne Diulio
191 Joralemon Street
Brooklyn, NY 11201

Re: Brownfield Cleanup Program
Site Access

Dear Ms. Diulio:

As you are aware, CATHOLIC CHARITIES PROGRESS OF PEOPLES DEVELOPMENT CORPORATION will be submitting an application to the New York State Brownfield Cleanup Program ("BCP") for the real property located at 41 First Street, Brooklyn, NY 11231 (the "Site"), more particularly described in **Exhibit A**. The Site is currently owned by MARY STAR OF THE SEA SENIOR HOUSING DEVELOPMENT FUND CORPORATION. As the BCP applicant, we are required to seek access from the current owner of the Site for acceptance into the BCP. In order to file the BCP application, we need written permission from you to access the Site throughout the BCP project. Additionally, the selected remedy may require the imposition of an environmental easement. By execution of this Site access agreement letter, you are hereby allowing Site access for this purpose, and agreeing to the imposition of an environmental easement if deemed necessary.

CATHOLIC CHARITIES PROGRESS OF PEOPLES DEVELOPMENT CORPORATION

By:_____
Name: Emmie Glynn Ryan
Title: Executive Secretary

MARY STAR OF THE SEA SENIOR HOUSING DEVELOPMENT FUND CORPORATION agrees to allow CATHOLIC CHARITIES PROGRESS OF PEOPLES DEVELOPMENT CORPORATION and its consultants and contractors to access the above referenced Site currently owned by MARY STAR OF THE SEA SENIOR HOUSING DEVELOPMENT FUND CORPORATION to perform the required BCP investigation work and remediation, and to place an environmental easement on the Site if determined to be necessary.

MARY STAR OF THE SEA HOUSING DEVELOPMENT FUND COMPANY, INC.

By:_____
Name: Jeanne Diulio
Title: President

EXHIBIT A

LEGAL DESCRIPTION

SCHEDULE "A"

All that certain plot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at the corner formed by the intercestion of the westerly side of Bond Street with the southerly side of Caroll Street;

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THENCE westerly at right angles to Bond Street and part of the distance through a party wall, a distance of 75 feet 6 1/4 inches to a point;

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THENCE easterly along the southerly side of Caroll Street, a distance of 86 feet 5 inches to a point;

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THENCE easterly on a line forming an exterior angle 95 degrees 05 minutes 12 seconds with the last mentioned course, a distance of 39 feet 11 inches to a point;

THENCE northerly at right angles to the last mentioned course, a distance of 60 feet 1 inches to a southerly side of Caroll Street;

THENCE easterly along the southerly side of Caroll Street, a distance of 44 feet 7 inches to the point or place of **BEGINNING.**

Block: 451 Tentative Lot: 25A

UNANIMOUS WRITTEN CONSENT
OF THE
BOARD OF DIRECTORS OF
CATHOLIC CHARITIES PROGRESS OF PEOPLES
DEVELOPMENT CORPORATION

The undersigned, being the President of the Board of Directors of CATHOLIC CHARITIES PROGRESS OF PEOPLES DEVELOPMENT CORPORATION , a New York not-for-profit Corporation (the "**Corporation** "), hereby adopts the following preambles and resolutions by unanimous consent of the Executive Board of Directors in lieu of a meeting pursuant to the applicable provisions of the New York Not-For-Profit Corporation Law.

WHEREAS the Corporation desires to submit an application (the "***Application***") to the New York State Department of Environmental Conservation to enroll that certain real property located at 41 First Street, Brooklyn, Kings County, New York (the "***Premises***") in the New York State Brownfields Cleanup Program.

NOW, THEREFORE, BE IT

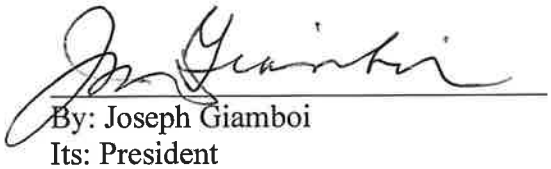
RESOLVED, that execution of the Application be, and hereby is, approved.

RESOLVED, that the Executive Secretary of the Corporation , Emmie Glynn Ryan, be, and hereby is, authorized and directed, for and in the name and on behalf of Corporation , to execute the Application and to act on behalf of Corporation and to execute all such Other documents as may be required or necessary to carry out the business and purposes of the Corporation

[SIGNATURE PAGE FOLLOWS]

In witness whereof, the undersigned, being the President of the Company, has hereunto executed this written consent as of October 25, 2023.

CATHOLIC CHARITIES PROGRESS OF PEOPLES DEVELOPMENT CORPORATION



By: Joseph Giamboi
Its: President

ATTACHMENT C
DATA SUMMARY TABLES AND FIGURES

Subsurface (Phase II) Investigation
Soil Data Summary Table - UUSCOs, RRSCOs, and PGWSCOs
41 First Street
Brooklyn, NY

Analytes > UUSCOs, RRSCOs, or PGWSCOs	Detections > UUSCOs, RRSCOs, or PGWSCOs	Maximum Detection (ppm)	UUSCO (ppm)	RRSCO (ppm)	PGWSCO (ppm)	Depth (ft bgs)
2-Methylphenol (O-Cresol)	1	1.9	0.33	100	0.33	6-8
4-Methylphenol (P-Cresol)	1	4.3	0.33	100	0.33	6-8
Arsenic	1	13.1	13	16	16	0-2
Barium	4	1,000	350	400	820	0-2 (max), 2-4, 6-8
Benzo(a)Anthracene	7	13	1	1	1	0-2, 2-4, 6-8, 7-9 (max)
Benzo(a)Pyrene	7	18	1	1	22	0-2, 2-4, 6-8, 7-9 (max)
Benzo(b)Fluoranthene	8	19	1	1	1.7	0-2, 2-4, 6-8, 7-9 (max)
Benzo(k)Fluoranthene	5	5.9	0.8	3.9	1.7	0-2, 2-4, 7-9 (max)
Cadmium	1	3.2	2.5	4.3	7.5	2-4
Chrysene	7	13	1	3.9	1	0-2, 2-4, 6-8, 7-9 (max)
Copper	3	177	50	270	1,720	0-2 (max), 4-6
Dibenz(a,h)Anthracene	1	3.4	0.33	0.33	1,000	0-2, 2-4, 7-9 (max)
Indeno(1,2,3-c,d)Pyrene	8	13	0.5	0.5	8.2	0-2, 2-4, 6-8, 7-9 (max)
Lead	16	2,480	63	400	450	0-2 (max), 2-4, 4-6, 6-8, 7-9, 10-12
Mercury	15	13.5	0.18	0.81	0.73	0-2, 2-4, 4-6, 6-8, 7-9 (max), 10-12
Nickel	2	40.2	30	310	130	0-2, 6-8 (max)
P,P'-DDD	10	0.069	0.0033	13	14	0-2 (max), 2-4, 4-6, 6-8, 7-9, 10-12
P,P'-DDE	11	0.034	0.0033	8.9	17	0-2, 2-4, 4-6, 6-8 (max), 7-9, 10-12
P,P'-DDT	5	0.15	0.0033	7.9	136	0-2, 2-4, 4-6, 6-8 (max), 7-9, 10-12
Phenol	1	4.4	0.33	100	0.33	6-8
Total PCBs	1	0.13	0.1	1	3.2	0-2
Zinc	15	1,030	109	10,000	2,480	0-2, 2-4 (max), 4-6, 6-8, 7-9, 10-12

ft bgs = feet below ground surface
ppm = parts per million
UUSCOs = Unrestricted Use Soil Cleanup Objectives
RRSCOs = Restricted Residential Soil Cleanup Objectives
PGWSCOs = Protection of Groundwater Soil Cleanup Objectives

Subsurface (Phase II) Investigation
Soil Data Summary Table - PFAS Guidance Values
41 First Street
Brooklyn, NY

Analytes > UUGVs, RRGVs, or PGWGVs	Detections > UUGVs, RRGVs, or PGWGVs	Maximum Detection (ppb)	UUGV (ppb)	RRGV (ppb)	PGWGV (ppb)	Depth (ft bgs)
Perfluorooctanesulfonic acid (PFOS)	2	2.23	0.88	44	1	0-2, 6-8 (max)
Perfluorooctanoic acid (PFOA)	1	0.78	0.66	33	0.8	4-6

ft bgs = feet below ground surface
ppb = parts per billion
UUGV = Unrestricted Use Guidance Value
RRGV = Restricted Residential Guidance Value
PGWGV = Protection of Groundwater Guidance Value

Subsurface (Phase II) Investigation
Groundwater Data Summary Table - AWQSGVs
41 First Street
Brooklyn, NY

Analytes > AWQSGVs	Detections > AWQSGVs	Maximum Detection (ppb)	AWQSGVs (ppb)
Arsenic	1	45.1	25
Barium	1	1,480	1,000
Benzo(a)Anthracene	1	1.1	0.002
Benzo(a)Pyrene	1	1.1	ND
Benzo(b)Fluoranthene	1	1.2 J	0.002
Beryllium	1	10.4	3
Chromium, Total	1	280	50
Chrysene	1	1 J	0.002
Copper	1	406	200
Iron	5	223,000	300
Lead	3	1,440	25
Magnesium	1	88,900	35,000
Manganese	5	5,040	300
Mercury	1	0.84	0.7
Nickel	1	698	100
Perfluorooctanesulfonic acid (PFOS)	3	113	2.7
Perfluorooctanoic acid (PFOA)	3	169	6.7
Sodium	5	53,500	20,000

J = The reported value is estimated.
ppb = parts per billion
AWQSGVs = Ambient Water Quality Standards and Guidance Values

Subsurface (Phase II) Investigation
Soil Vapor Data Summary Table
41 First Street
Brooklyn, NY

Analytes	Total Detections	Max. Detection ($\mu g/m^3$)	Type
1,1,1-Trichloroethane	5	32	soil vapor
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	2	0.57 J	soil vapor
1,2,4-Trimethylbenzene	6	24	soil vapor
1,2-Dichloroethane	1	58	soil vapor
1,2-Dichloropropane	1	940	soil vapor
1,3,5-Trimethylbenzene (Mesitylene)	6	9.7	soil vapor
1,3-Butadiene	4	18	soil vapor
1,3-Dichlorobenzene	6	36	soil vapor
2,2,4-Trimethylpentane	5	11	soil vapor
2-Hexanone	3	4.7	soil vapor
4-Ethyltoluene	5	6.7	soil vapor
Acetone	6	1,300 D	soil vapor
Benzene	6	14	soil vapor
Butane	7	460 D	soil vapor
Carbon Disulfide	6	36	soil vapor
Carbon Tetrachloride	5	6,400 D	soil vapor
Chlorobenzene	4	0.68 J	soil vapor
Chlorodifluoromethane	4	1.6 BJ	soil vapor
Chloroethane	2	0.67 J	soil vapor
Chloroform	6	78	soil vapor
Chloromethane	3	1.2	soil vapor
Cyclohexane	6	22	soil vapor
Cymene	6	18	soil vapor
Dichlorodifluoromethane	7	840 D	soil vapor
Ethylbenzene	6	19	soil vapor
Isopropanol	5	15	soil vapor
Isopropylbenzene (Cumene)	6	63	soil vapor
M,P-Xylenes	6	58	soil vapor
Methyl Ethyl Ketone (2-Butanone)	5	37	soil vapor
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	4	22	soil vapor
Methylene Chloride	6	7.3 J	soil vapor
Naphthalene	2	8.2	soil vapor
N-Butylbenzene	4	2.6	soil vapor
N-Heptane	6	120	soil vapor
N-Hexane	7	240 D	soil vapor
N-Propylbenzene	5	6.2	soil vapor
O-Xylene (1,2-Dimethylbenzene)	6	30	soil vapor
Sec-Butylbenzene	3	2.5	soil vapor
Styrene	2	1.9	soil vapor
Tert-Butyl Alcohol	4	22	soil vapor
Tert-Butyl Methyl Ether	1	4.5	soil vapor
Tetrachloroethylene (PCE)	7	330 D	soil vapor
Toluene	6	43	soil vapor
Trichloroethylene (TCE)	6	5.2	soil vapor
Trichlorofluoromethane	7	120	soil vapor
Vinyl Chloride	1	5.9	soil vapor

B = The analyte was found in an associated blank, as well as in the sample.
D = Indicates an identified compound in an analysis that has been diluted.
J = The reported value is estimated.
$\mu g/m^3$ = micrograms per cubic meter
AWQSGVs = Ambient Water Quality Standards and Guidance Values

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-01_10-12_20230801	RI-SB-02_0-2_20230801	RI-SB-02_10-12_20230801
				Laboratory Sample ID	460-285294-1	460-285294-2	460-285294-3	460-285294-4
				Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,1,2,2-Tetrachloroethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,1,2-Trichloroethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,1-Dichloroethane	0.27	26	0.27		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,1-Dichloroethene	0.33	100	0.33		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2,3-Trichlorobenzene	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2,4-Trichlorobenzene	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2,4-Trimethylbenzene	3.6	52	3.6		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2-Dichlorobenzene	1.1	100	1.1		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2-Dichloropropane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,3-Dichlorobenzene	2.4	49	2.4		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,4-Dichlorobenzene	1.8	13	1.8		0.0012 U	0.0012 U	0.001 U	0.00094 U
2-Hexanone	NS	NS	NS		0.0061 U	0.006 U	0.0052 U	0.0047 U
Acetone	0.05	100	0.05		0.0073 U	0.0072 U	0.0063 U	0.0056 U
Benzene	0.06	4.8	0.06		0.0012 U	0.0012 U	0.001 U	0.00094 U
Bromochloromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Bromodichloromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Bromoform	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Bromomethane	NS	NS	NS		0.0024 U	0.0024 U	0.0021 U	0.0019 U
Carbon Disulfide	NS	NS	NS		0.0012 UT	0.0012 UT	0.001 UT	0.00094 UT
Carbon Tetrachloride	0.76	2.4	0.76		0.0012 U	0.0012 U	0.001 U	0.00094 U
Chlorobenzene	1.1	100	1.1		0.0012 U	0.0012 U	0.001 U	0.00094 U
Chloroethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Chloroform	0.37	49	0.37		0.0012 U	0.0012 U	0.001 U	0.00094 U
Chloromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0012 U	0.0012 U	0.001 U	0.00094 U
Cis-1,3-Dichloropropene	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Cyclohexane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Dibromochloromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Dichlorodifluoromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Ethylbenzene	1	41	1		0.0012 U	0.0012 U	0.001 U	0.00094 U
Isopropylbenzene (Cumene)	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
M,P-Xylenes	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Methyl Acetate	NS	NS	NS		0.0061 U	0.006 U	0.0052 U	0.0047 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		0.0061 U	0.006 U	0.0052 U	0.0047 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS		0.0061 U	0.006 U	0.0052 U	0.0047 U
Methylcyclohexane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Methylene Chloride	0.05	100	0.05		0.0024 U	0.0024 U	0.0021 U	0.0019 U
N-Butylbenzene	12	100	12		0.0012 U	0.0012 U	0.001 U	0.00094 U
N-Propylbenzene	3.9	100	3.9		0.0012 U	0.0012 U	0.001 U	0.00094 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Sec-Butylbenzene	11	100	11		0.0012 U	0.0012 U	0.001 U	0.00094 U
Styrene	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
T-Butylbenzene	5.9	100	5.9		0.0012 U	0.0012 U	0.001 U	0.00094 U
Tert-Butyl Methyl Ether	0.93	100	0.93		0.0012 U	0.0012 U	0.001 U	0.00094 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.00056 J	0.0012 U	0.001	0.00063 J
Toluene	0.7	100	0.7		0.0012 U	0.0012 U	0.001 U	0.00094 U
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0012 U	0.0012 U	0.001 U	0.00094 U
Trans-1,3-Dichloropropene	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Trichloroethylene (TCE)	0.47	21	0.47		0.0012 U	0.0012 U	0.001 U	0.00094 U
Trichlorofluoromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Vinyl Chloride	0.02	0.9	0.02		0.0012 U	0.0012 U	0.001 U	0.00094 U
Xylenes, Total	0.26	100	1.6		0.0024 U	0.0024 U	0.0021 U	0.0019 U

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	RI-SB-03_0-2_20230802	RI-SB-03_9-11_20230802	RI-SB-04_2-4_20230802	RI-SB-04_6-8_20230802
				Laboratory Sample ID	460-285367-1	460-285367-2	460-285367-3	460-285367-4
				Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/02/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,1,2,2-Tetrachloroethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,1,2-Trichloroethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2,3-Trichlorobenzene	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2,4-Trichlorobenzene	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2,4-Trimethylbenzene	3.6	52	3.6		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2-Dichlorobenzene	1.1	100	1.1		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2-Dichloropropane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,3-Dichlorobenzene	2.4	49	2.4		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,4-Dichlorobenzene	1.8	13	1.8		0.0015 U	0.00098 U	0.002 U	0.0014 U
2-Hexanone	NS	NS	NS		0.0075 U	0.0049 U	0.0098 U	0.0069 U
Acetone	0.05	100	0.05		0.009 U	0.0059 U	0.012 U	0.0082 U
Benzene	0.06	4.8	0.06		0.0015 U	0.00098 U	0.002 U	0.0014 U
Bromochloromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Bromodichloromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Bromoform	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Bromomethane	NS	NS	NS		0.003 U	0.002 U	0.0039 U	0.0027 U
Carbon Disulfide	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Carbon Tetrachloride	0.76	2.4	0.76		0.0015 U	0.00098 U	0.002 U	0.0014 U
Chlorobenzene	1.1	100	1.1		0.0015 U	0.00098 U	0.002 U	0.0014 U
Chloroethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Chloroform	0.37	49	0.37		0.0015 U	0.00098 U	0.002 U	0.0014 U
Chloromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0015 U	0.00098 U	0.002 U	0.0014 U
Cis-1,3-Dichloropropene	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Cyclohexane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Dibromochloromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Dichlorodifluoromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Ethylbenzene	1	41	1		0.0015 U	0.00098 U	0.002 U	0.0014 U
Isopropylbenzene (Cumene)	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
M,P-Xylenes	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Methyl Acetate	NS	NS	NS		0.0075 U	0.0049 U	0.0098 U	0.0069 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		0.0075 U	0.0049 U	0.0098 U	0.0069 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS		0.0075 U	0.0049 U	0.0098 U	0.0069 U
Methylcyclohexane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Methylene Chloride	0.05	100	0.05		0.003 U	0.002 U	0.0039 U	0.0027 U
N-Butylbenzene	12	100	12		0.0015 U	0.00098 U	0.002 U	0.0014 U
N-Propylbenzene	3.9	100	3.9		0.0015 U	0.00098 U	0.002 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Sec-Butylbenzene	11	100	11		0.0015 U	0.00098 U	0.002 U	0.0014 U
Styrene	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
T-Butylbenzene	5.9	100	5.9		0.0015 U	0.00098 U	0.002 U	0.0014 U
Tert-Butyl Methyl Ether	0.93	100	0.93		0.0015 U	0.00098 U	0.002 U	0.0014 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.0015 U	0.00098 U	0.002 U	0.0014 U
Toluene	0.7	100	0.7		0.0015 U	0.00098 U	0.002 U	0.00067 J
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0015 U	0.00098 U	0.002 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Trichloroethylene (TCE)	0.47	21	0.47		0.0015 U	0.00098 U	0.002 U	0.0014 U
Trichlorofluoromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Vinyl Chloride	0.02	0.9	0.02		0.0015 U	0.00098 U	0.002 U	0.0014 U
Xylenes, Total	0.26	100	1.6		0.003 U	0.002 U	0.0039 U	0.0027 U

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	RI-SB-05_2-4_20230801	RI-SB-05_7-9_20230801	RI-SB-06_2-4_20230802	RI-SB-06_6-8_20230802
				Laboratory Sample ID	460-285294-11	460-285294-12	460-285367-5	460-285367-6
				Date Sampled	8/01/2023	8/01/2023	8/02/2023	8/02/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,1,2,2-Tetrachloroethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2,3-Trichlorobenzene	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2,4-Trichlorobenzene	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichloropropane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8		0.0013 U	0.0012 U	0.0011 U	0.0011 U
2-Hexanone	NS	NS	NS		0.0066 U	0.0058 U	0.0057 U	0.0053 U
Acetone	0.05	100	0.05		0.0079 U	0.021	0.0069 U	0.029
Benzene	0.06	4.8	0.06		0.0029	0.0012 U	0.0011 U	0.0011 U
Bromochloromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Bromodichloromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Bromoform	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Bromomethane	NS	NS	NS		0.0026 U	0.0023 U	0.0023 U	0.0021 U
Carbon Disulfide	NS	NS	NS		0.0013 U	0.00032 J	0.0011 U	0.0062
Carbon Tetrachloride	0.76	2.4	0.76		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Chloroethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.37		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Chloromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Cis-1,3-Dichloropropene	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Cyclohexane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Dibromochloromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Dichlorodifluoromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Ethylbenzene	1	41	1		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Isopropylbenzene (Cumene)	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
M,P-Xylenes	NS	NS	NS		0.0005 J	0.0012 U	0.0011 U	0.0002 J
Methyl Acetate	NS	NS	NS		0.0066 U	0.0058 U	0.0057 U	0.0053 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		0.0066 U	0.0043 J	0.0057 U	0.006
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS		0.0066 U	0.0058 U	0.0057 U	0.0053 U
Methylcyclohexane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Methylene Chloride	0.05	100	0.05		0.0026 U	0.0023 U	0.0023 U	0.0021 U
N-Butylbenzene	12	100	12		0.0013 U	0.0012 U	0.0011 U	0.0011 U
N-Propylbenzene	3.9	100	3.9		0.0013 U	0.0012 U	0.0011 U	0.0003 J
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Sec-Butylbenzene	11	100	11		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Styrene	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
T-Butylbenzene	5.9	100	5.9		0.0013 U	0.0012 U	0.0011 U	0.00047 J
Tert-Butyl Methyl Ether	0.93	100	0.93		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.00048 J	0.0012 U	0.0011 U	0.0011 U
Toluene	0.7	100	0.7		0.0012 J	0.0012 U	0.0011 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Trans-1,3-Dichloropropene	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Trichlorofluoromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.02		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Xylenes, Total	0.26	100	1.6		0.0005 J	0.0023 U	0.0023 U	0.0002 J

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	RI-SB-07_0-2_20230802	RI-SB-07_4-6_20230802	RI-SB-08_0-2_20230801	RI-SB-08_4-6_20230801
				Laboratory Sample ID	460-285367-7	460-285367-8	460-285294-5	460-285294-6
				Date Sampled	8/02/2023	8/02/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,1,2,2-Tetrachloroethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,1,2-Trichloroethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2,3-Trichlorobenzene	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2,4-Trichlorobenzene	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2,4-Trimethylbenzene	3.6	52	3.6		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2-Dichlorobenzene	1.1	100	1.1		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2-Dichloropropane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,3-Dichlorobenzene	2.4	49	2.4		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,4-Dichlorobenzene	1.8	13	1.8		0.0014 U	0.0015 U	0.0013 U	0.0014 U
2-Hexanone	NS	NS	NS		0.0068 U	0.0073 U	0.0065 U	0.0072 U
Acetone	0.05	100	0.05		0.0082 U	0.0087 U	0.0078 U	0.0087 U
Benzene	0.06	4.8	0.06		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Bromochloromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Bromodichloromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Bromoform	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Bromomethane	NS	NS	NS		0.0027 U	0.0029 U	0.0026 U	0.0029 U
Carbon Disulfide	NS	NS	NS		0.0014 U	0.0015 U	0.0013 UT	0.0014 UT
Carbon Tetrachloride	0.76	2.4	0.76		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Chlorobenzene	1.1	100	1.1		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Chloroethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Chloroform	0.37	49	0.37		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Chloromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Cis-1,3-Dichloropropene	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Cyclohexane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Dibromochloromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Dichlorodifluoromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Ethylbenzene	1	41	1		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Isopropylbenzene (Cumene)	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
M,P-Xylenes	NS	NS	NS		0.0014 U	0.0015 U	0.001 J	0.0014 U
Methyl Acetate	NS	NS	NS		0.0068 U	0.0073 U	0.0065 U	0.0072 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		0.0068 U	0.0073 U	0.0065 U	0.0072 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS		0.0068 U	0.0073 U	0.0065 U	0.0072 U
Methylcyclohexane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Methylene Chloride	0.05	100	0.05		0.0027 U	0.0029 U	0.0026 U	0.0029 U
N-Butylbenzene	12	100	12		0.0014 U	0.0015 U	0.0013 U	0.0014 U
N-Propylbenzene	3.9	100	3.9		0.0014 U	0.0015 U	0.0013 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS		0.0014 U	0.0015 U	0.00054 J	0.0014 U
Sec-Butylbenzene	11	100	11		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Styrene	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
T-Butylbenzene	5.9	100	5.9		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Tert-Butyl Methyl Ether	0.93	100	0.93		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.0014 U	0.0015 U	0.0013 U	0.00046 J
Toluene	0.7	100	0.7		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Trichloroethylene (TCE)	0.47	21	0.47		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Trichlorofluoromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Vinyl Chloride	0.02	0.9	0.02		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Xylenes, Total	0.26	100	1.6		0.0027 U	0.0029 U	0.0016 J	0.0029 U

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	RI-SB-09_0-2_20230801	RI-SB-09_4-6_20230801	RI-SB-10_0-2_20230801	RI-SB-10_4-6_20230801
				Laboratory Sample ID	460-285294-7	460-285294-8	460-285294-9	460-285294-10
				Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,1,2,2-Tetrachloroethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,1,2-Trichloroethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,1-Dichloroethane	0.27	26	0.27		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,1-Dichloroethene	0.33	100	0.33		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2,3-Trichlorobenzene	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2,4-Trichlorobenzene	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2,4-Trimethylbenzene	3.6	52	3.6		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2-Dichlorobenzene	1.1	100	1.1		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2-Dichloropropane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,3-Dichlorobenzene	2.4	49	2.4		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,4-Dichlorobenzene	1.8	13	1.8		0.0015 U	0.0012 U	0.0018 U	0.0016 U
2-Hexanone	NS	NS	NS		0.0076 U	0.0062 U	0.0088 U	0.0082 U
Acetone	0.05	100	0.05		0.0091 U	0.0075 U	0.011 U	0.0098 U
Benzene	0.06	4.8	0.06		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Bromochloromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Bromodichloromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Bromoform	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Bromomethane	NS	NS	NS		0.003 U	0.0025 U	0.0035 U	0.0033 U
Carbon Disulfide	NS	NS	NS		0.0015 UT	0.0012 UT	0.0018 UT	0.0016 UT
Carbon Tetrachloride	0.76	2.4	0.76		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Chlorobenzene	1.1	100	1.1		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Chloroethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Chloroform	0.37	49	0.37		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Chloromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Cis-1,3-Dichloropropene	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Cyclohexane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Dibromochloromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Dichlorodifluoromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Ethylbenzene	1	41	1		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Isopropylbenzene (Cumene)	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
M,P-Xylenes	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Methyl Acetate	NS	NS	NS		0.0076 U	0.0062 U	0.0088 U	0.0082 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		0.0076 U	0.0062 U	0.0088 U	0.0082 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS		0.0076 U	0.0062 U	0.0088 U	0.0082 U
Methylcyclohexane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Methylene Chloride	0.05	100	0.05		0.003 U	0.0025 U	0.0035 U	0.0033 U
N-Butylbenzene	12	100	12		0.0015 U	0.0012 U	0.0018 U	0.0016 U
N-Propylbenzene	3.9	100	3.9		0.0015 U	0.0012 U	0.0018 U	0.0016 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Sec-Butylbenzene	11	100	11		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Styrene	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
T-Butylbenzene	5.9	100	5.9		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Tert-Butyl Methyl Ether	0.93	100	0.93		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.0015 U	0.00042 J	0.0018 U	0.0013 J
Toluene	0.7	100	0.7		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Trans-1,3-Dichloropropene	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Trichloroethylene (TCE)	0.47	21	0.47		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Trichlorofluoromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Vinyl Chloride	0.02	0.9	0.02		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Xylenes, Total	0.26	100	1.6		0.003 U	0.0025 U	0.0035 U	0.0033 U

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	TB-01_20230801
			Laboratory Sample ID	460-285294-13
			Date Sampled	8/1/2023
			Dilution Factor	1
			Unit	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	1 U
1,1,2-Trichloroethane	NS	NS	NS	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U
1,2,3-Trichlorobenzene	NS	NS	NS	1 U
1,2,4-Trichlorobenzene	NS	NS	NS	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	1 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	1 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U
1,2-Dichloropropane	NS	NS	NS	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	1 U
1,3-Dichlorobenzene	2.4	49	2.4	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U
2-Hexanone	NS	NS	NS	5 U
Acetone	0.05	100	0.05	5 U
Benzene	0.06	4.8	0.06	1 U
Bromochloromethane	NS	NS	NS	1 U
Bromodichloromethane	NS	NS	NS	1 U
Bromoform	NS	NS	NS	1 U
Bromomethane	NS	NS	NS	1 U
Carbon Disulfide	NS	NS	NS	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U
Chlorobenzene	1.1	100	1.1	1 U
Chloroethane	NS	NS	NS	1 U
Chloroform	0.37	49	0.37	1 U
Chloromethane	NS	NS	NS	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U
Cis-1,3-Dichloropropene	NS	NS	NS	1 U
Cyclohexane	NS	NS	NS	1 U
Dibromochloromethane	NS	NS	NS	1 U
Dichlorodifluoromethane	NS	NS	NS	1 U
Ethylbenzene	1	41	1	1 U
Isopropylbenzene (Cumene)	NS	NS	NS	1 U
M,P-Xylenes	NS	NS	NS	1 U
Methyl Acetate	NS	NS	NS	5 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	5 U
Methylcyclohexane	NS	NS	NS	1 U
Methylene Chloride	0.05	100	0.05	1 U
N-Butylbenzene	12	100	12	1 U
N-Propylbenzene	3.9	100	3.9	1 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	1 U
Sec-Butylbenzene	11	100	11	1 U
Styrene	NS	NS	NS	1 U
T-Butylbenzene	5.9	100	5.9	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U
Toluene	0.7	100	0.7	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U
Trans-1,3-Dichloropropene	NS	NS	NS	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U
Trichlorofluoromethane	NS	NS	NS	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U
Xylenes, Total	0.26	100	1.6	2 U

Table 2
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

				AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-01_10-12_20230801	RI-SB-02_0-2_20230801	RI-SB-02_10-12_20230801	RI-SB-03_0-2_20230802
				Laboratory Sample ID	460-285294-1	460-285294-2	460-285294-3	460-285294-4	460-285367-1
				Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023	8/02/2023
				Dilution Factor	1	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2,4,5-Trichlorophenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2,4,6-Trichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
2,4-Dichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
2,4-Dimethylphenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2,4-Dinitrophenol	NS	NS	NS		0.27 U	0.28 U	0.27 U	0.27 U	0.27 U
2,4-Dinitrotoluene	NS	NS	NS		0.069 U	0.069 U	0.068 U	0.068 U	0.068 U
2,6-Dinitrotoluene	NS	NS	NS		0.069 U	0.069 U	0.068 U	0.068 U	0.068 U
2-Chloronaphthalene	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2-Chlorophenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2-Methylnaphthalene	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.029 J	0.33 U
2-Methylphenol (O-Cresol)	**0.33**	100	0.33		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2-Nitrophenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
3- And 4- Methylphenol (Total)	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
3,3'-Dichlorobenzidine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
3-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS		0.27 U	0.28 U	0.27 U	0.27 U	0.27 U
4-Bromophenyl Phenyl Ether	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Chloro-3-Methylphenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Chloroaniline	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.33		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Nitrophenol	NS	NS	NS		0.69 U	0.69 U	0.68 U	0.68 U	0.68 U
Acenaphthene	20	100	98		0.34 U	0.038 J	0.032 J	0.064 J	0.015 J
Acenaphthylene	100	100	107		0.023 J	0.027 J	0.1 J	0.075 J	0.031 J
Acetophenone	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Anthracene	100	100	1,000		0.045 J	0.12 J	0.14 J	0.19 J	0.053 J
Atrazine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
Benzaldehyde	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Benzo(a)Anthracene	**1**	1	1		0.31	0.51	0.68	0.63	0.21
Benzo(a)Pyrene	**1**	1	22		0.36	0.52	0.66	0.66	0.22
Benzo(b)Fluoranthene	**1**	1	1.7		0.42	0.61	0.78	0.8	0.26
Benzo(g,h,i)Perylene	100	100	1,000		0.24 J	0.31 J	0.33 J	0.35	0.12 J
Benzo(k)Fluoranthene	**0.8**	3.9	1.7		0.16	0.22	0.28	0.29	0.098
Benzyl Butyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Biphenyl (Diphenyl)	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Bis(2-Chloroethoxy) Methane	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS		0.34 U	0.34 U	0.11 J	0.17 J	0.33 U
Caprolactam	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Carbazole	NS	NS	NS		0.018 J	0.046 J	0.045 J	0.089 J	0.02 J
Chrysene	**1**	3.9	1		0.35	0.54	0.75	0.67	0.21 J
Dibenz(a,h)Anthracene	**0.33**	0.33	1,000		0.055	0.076	0.091	0.086	0.029 J
Dibenzofuran	7	59	210		0.34 U	0.027 J	0.018 J	0.046 J	0.33 U
Diethyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Dimethyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Di-N-Butyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.15 J	0.33 U
Di-N-Octylphthalate	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Fluoranthene	100	100	1,000		0.44	0.89	1.1	1.2	0.34
Fluorene	30	100	386		0.34 U	0.022 J	0.029 J	0.055 J	0.33 U
Hexachlorobenzene	0.33	1.2	3.2		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
Hexachlorobutadiene	NS	NS	NS		0.069 U	0.069 U	0.068 U	0.068 U	0.068 U
Hexachlorocyclopentadiene	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Hexachloroethane	NS	NS	NS		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	8.2		0.26	0.33	0.41	0.43	0.13
Isophorone	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
Naphthalene	12	100	12		0.01 J	0.014 J	0.015 J	0.053 J	0.0068 J
Nitrobenzene	NS	NS	NS		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
N-Nitrosodi-N-Propylamine	NS	NS	NS		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
N-Nitrosodiphenylamine	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Pentachlorophenol	0.8	6.7	0.8		0.27 U	0.28 U	0.27 U	0.27 U	0.27 UT
Phenanthrene	100	100	1,000		0.21 J	0.74	0.58	0.9	0.24 J
Phenol	**0.33**	100	0.33		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Pyrene	100	100	1,000		0.57	1.1	1.3	1.3	0.41

Table 2
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

				AKRF Sample ID	RI-SB-03_9-11_20230802	RI-SB-04_2-4_20230802	RI-SB-04_6-8_20230802	RI-SB-05_2-4_20230801	RI-SB-05_7-9_20230801
				Laboratory Sample ID	460-285367-2	460-285367-3	460-285367-4	460-285294-11	460-285294-12
				Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4,5-Trichlorophenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4,6-Trichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
2,4-Dichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
2,4-Dimethylphenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4-Dinitrophenol	NS	NS	NS		0.27 U	0.27 U	0.28 U	0.28 U	0.29 U
2,4-Dinitrotoluene	NS	NS	NS		0.068 U	0.068 U	0.07 U	0.069 U	0.073 U
2,6-Dinitrotoluene	NS	NS	NS		0.068 U	0.068 U	0.07 U	0.069 U	0.073 U
2-Chloronaphthalene	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Chlorophenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Methylnaphthalene	NS	NS	NS		0.34 U	0.098 J	0.023 J	0.051 J	0.6
2-Methylphenol (O-Cresol)	**0.33**	100	0.33		0.34 U	0.34 U	0.35 U	0.34 U	0.081 J
2-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Nitrophenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
3- And 4- Methylphenol (Total)	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.25 J
3,3'-Dichlorobenzidine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
3-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS		0.27 U	0.27 U	0.28 U	0.28 U	0.29 U
4-Bromophenyl Phenyl Ether	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Chloro-3-Methylphenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Chloroaniline	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.33		0.34 U	0.34 U	0.35 U	0.34 U	0.25 J
4-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Nitrophenol	NS	NS	NS		0.68 U	0.68 U	0.7 U	0.69 U	0.73 U
Acenaphthene	20	100	98		0.34 U	0.39	0.055 J	0.21 J	0.96
Acenaphthylene	100	100	107		0.34 U	0.1 J	0.1 J	0.47	3.3
Acetophenone	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.12 J
Anthracene	100	100	1,000		0.34 U	0.83	0.15 J	1	3.8
Atrazine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
Benzaldehyde	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.059 J	0.36 U
Benzo(a)Anthracene	**1**	1	1		0.034 U	**2.2**	0.67	**4.4**	NR
Benzo(a)Pyrene	**1**	1	22		0.034 U	**2.4**	0.96	**5.3**	NR
Benzo(b)Fluoranthene	**1**	1	1.7		0.034 U	**2.8**	**1.2**	**6.6**	NR
Benzo(g,h,i)Perylene	100	100	1,000		0.34 U	1.5	0.68	2.5	NR
Benzo(k)Fluoranthene	**0.8**	3.9	1.7		0.034 U	**0.99**	0.39	**2.5**	**5.9**
Benzyl Butyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.03 J	0.34 U	0.36 U
Biphenyl (Diphenyl)	NS	NS	NS		0.34 U	0.034 J	0.35 U	0.02 J	0.25 J
Bis(2-Chloroethoxy) Methane	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS		0.34 U	0.34 U	0.23 J	0.08 J	0.36 U
Caprolactam	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Carbazole	NS	NS	NS		0.34 U	0.31 J	0.066 J	0.31 J	1.2
Chrysene	**1**	3.9	1		0.34 U	**2.2**	0.74	**4.5**	NR
Dibenz(a,h)Anthracene	**0.33**	0.33	1,000		0.034 U	0.33	0.16	**0.63**	**3.4**
Dibenzofuran	7	59	210		0.34 U	0.21 J	0.032 J	0.11 J	0.82
Diethyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Dimethyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Di-N-Butyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.017 J	0.36 U
Di-N-Octylphthalate	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Fluoranthene	100	100	1,000		0.34 U	4.4	1.1	7.8	NR
Fluorene	30	100	386		0.34 U	0.34	0.043 J	0.19 J	0.73
Hexachlorobenzene	0.33	1.2	3.2		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
Hexachlorobutadiene	NS	NS	NS		0.068 U	0.068 U	0.07 U	0.069 U	0.073 U
Hexachlorocyclopentadiene	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Hexachloroethane	NS	NS	NS		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	8.2		0.034 U	**1.8**	**0.76**	**2.9**	NR
Isophorone	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
Naphthalene	12	100	12		0.34 U	0.24 J	0.043 J	0.13 J	1.9
Nitrobenzene	NS	NS	NS		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
N-Nitrosodi-N-Propylamine	NS	NS	NS		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
N-Nitrosodiphenylamine	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Pentachlorophenol	0.8	6.7	0.8		0.27 UT	0.27 UT	0.28 UT	0.28 U	0.29 U
Phenanthrene	100	100	1,000		0.34 U	3.6	0.63	4	8.4
Phenol	**0.33**	100	0.33		0.34 U	0.34 U	0.35 U	0.34 U	0.19 J
Pyrene	100	100	1,000		0.34 U	4.8	1.3	8.2	NR

Table 2
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

				AKRF Sample ID	RI-SB-05_7-9_20230801	RI-SB-06_2-4_20230802	RI-SB-06_2-4_20230802	RI-SB-06_6-8_20230802	RI-SB-07_0-2_20230802
				Laboratory Sample ID	460-285294-12	460-285367-5	460-285367-5	460-285367-6	460-285367-7
				Date Sampled	8/01/2023	8/02/2023	8/02/2023	8/02/2023	8/02/2023
				Dilution Factor	5	1	5	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1		NR	0.035 U	NR	0.035 U	0.037 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
2,4,5-Trichlorophenol	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
2,4,6-Trichlorophenol	NS	NS	NS		NR	0.14 U	NR	0.14 U	0.15 U
2,4-Dichlorophenol	NS	NS	NS		NR	0.14 U	NR	0.14 U	0.15 U
2,4-Dimethylphenol	NS	NS	NS		NR	0.35 U	NR	1.4	0.37 U
2,4-Dinitrophenol	NS	NS	NS		NR	0.28 U	NR	0.28 U	0.3 U
2,4-Dinitrotoluene	NS	NS	NS		NR	0.07 U	NR	0.071 U	0.076 U
2,6-Dinitrotoluene	NS	NS	NS		NR	0.07 U	NR	0.071 U	0.076 U
2-Chloronaphthalene	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
2-Chlorophenol	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
2-Methylnaphthalene	NS	NS	NS		NR	0.25 J	NR	0.65	0.22 J
2-Methylphenol (O-Cresol)	**0.33**	100	0.33		NR	0.021 J	NR	**1.9**	0.37 U
2-Nitroaniline	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
2-Nitrophenol	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
3- And 4- Methylphenol (Total)	NS	NS	NS		NR	0.063 J	NR	4.3	0.025 J
3,3'-Dichlorobenzidine	NS	NS	NS		NR	0.14 U	NR	0.14 U	0.15 U
3-Nitroaniline	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS		NR	0.28 U	NR	0.28 U	0.3 U
4-Bromophenyl Phenyl Ether	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4-Chloro-3-Methylphenol	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4-Chloroaniline	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.33		NR	0.063 J	NR	**4.3**	0.025 J
4-Nitroaniline	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4-Nitrophenol	NS	NS	NS		NR	0.7 U	NR	0.71 U	0.76 U
Acenaphthene	20	100	98		NR	0.83	NR	0.6	0.41
Acenaphthylene	100	100	107		NR	0.77	NR	0.36	0.26 J
Acetophenone	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Anthracene	100	100	1,000		NR	2.6	NR	1.5	0.89
Atrazine	NS	NS	NS		NR	0.14 U	NR	0.14 U	0.15 U
Benzaldehyde	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Benzo(a)Anthracene	**1**	1	1		**13**	**6.1**	NR	**1.8**	**2.4**
Benzo(a)Pyrene	**1**	1	22		**18**	**5.9**	NR	**1.3**	**2.6**
Benzo(b)Fluoranthene	**1**	1	1.7		**19**	**6.9**	NR	**1.4**	**2.9**
Benzo(g,h,i)Perylene	100	100	1,000		13	2.6	NR	0.52	1.3
Benzo(k)Fluoranthene	**0.8**	3.9	1.7		NR	**2.6**	NR	0.52	**1.3**
Benzyl Butyl Phthalate	NS	NS	NS		NR	0.35 U	NR	0.82	0.068 J
Biphenyl (Diphenyl)	NS	NS	NS		NR	0.099 J	NR	0.24 J	0.062 J
Bis(2-Chloroethoxy) Methane	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS		NR	0.035 U	NR	0.035 U	0.037 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS		NR	0.35 U	NR	2.9	0.27 J
Caprolactam	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Carbazole	NS	NS	NS		NR	0.96	NR	0.6	0.42
Chrysene	**1**	3.9	1		**13**	**5.9**	NR	**1.3**	**2.7**
Dibenz(a,h)Anthracene	**0.33**	0.33	1,000		NR	**0.71**	NR	0.17	**0.35**
Dibenzofuran	7	59	210		NR	0.64	NR	0.92	0.3 J
Diethyl Phthalate	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Dimethyl Phthalate	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Di-N-Butyl Phthalate	NS	NS	NS		NR	0.35 U	NR	0.037 J	0.031 J
Di-N-Octylphthalate	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Fluoranthene	100	100	1,000		22	NR	11	3	4.7
Fluorene	30	100	386		NR	0.78	NR	1	0.4
Hexachlorobenzene	0.33	1.2	3.2		NR	0.035 U	NR	0.035 U	0.037 U
Hexachlorobutadiene	NS	NS	NS		NR	0.07 U	NR	0.071 U	0.076 U
Hexachlorocyclopentadiene	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Hexachloroethane	NS	NS	NS		NR	0.035 U	NR	0.035 U	0.037 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	8.2		**13**	**3.2**	NR	**0.62**	**1.6**
Isophorone	NS	NS	NS		NR	0.14 U	NR	0.14 U	0.15 U
Naphthalene	12	100	12		NR	0.49	NR	1.6	0.73
Nitrobenzene	NS	NS	NS		NR	0.035 U	NR	0.035 U	0.037 U
N-Nitrosodi-N-Propylamine	NS	NS	NS		NR	0.035 U	NR	0.035 U	0.037 U
N-Nitrosodiphenylamine	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Pentachlorophenol	0.8	6.7	0.8		NR	0.28 UT	NR	0.28 UT	0.3 UT
Phenanthrene	100	100	1,000		NR	NR	10	5.1	4.2
Phenol	**0.33**	100	0.33		NR	0.35 U	NR	**4.4**	0.37 U
Pyrene	100	100	1,000		22	NR	11	3	5.1

Table 2
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Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

				AKRF Sample ID	RI-SB-07_4-6_20230802	RI-SB-08_0-2_20230801	RI-SB-08_4-6_20230801	RI-SB-09_0-2_20230801	RI-SB-09_4-6_20230801
				Laboratory Sample ID	460-285367-8	460-285294-5	460-285294-6	460-285294-7	460-285294-8
				Date Sampled	8/02/2023	8/01/2023	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2,4,5-Trichlorophenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2,4,6-Trichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
2,4-Dichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
2,4-Dimethylphenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2,4-Dinitrophenol	NS	NS	NS		0.28 U	0.27 U	0.27 U	0.27 U	0.27 U
2,4-Dinitrotoluene	NS	NS	NS		0.071 U	0.068 U	0.069 U	0.069 U	0.069 U
2,6-Dinitrotoluene	NS	NS	NS		0.071 U	0.068 U	0.069 U	0.069 U	0.069 U
2-Chloronaphthalene	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Methylnaphthalene	NS	NS	NS		0.35 U	0.34 U	0.0099 J	0.027 J	0.01 J
2-Methylphenol (O-Cresol)	**0.33**	100	0.33		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Nitroaniline	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Nitrophenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
3- And 4- Methylphenol (Total)	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
3,3'-Dichlorobenzidine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
3-Nitroaniline	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS		0.28 U	0.27 U	0.27 U	0.27 U	0.27 U
4-Bromophenyl Phenyl Ether	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Chloro-3-Methylphenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Chloroaniline	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.33		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Nitroaniline	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Nitrophenol	NS	NS	NS		0.71 U	0.68 U	0.69 U	0.69 U	0.69 U
Acenaphthene	20	100	98		0.35 U	0.013 J	0.025 J	0.18 J	0.028 J
Acenaphthylene	100	100	107		0.35 U	0.026 J	0.068 J	0.1 J	0.04 J
Acetophenone	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Anthracene	100	100	1,000		0.35 U	0.041 J	0.096 J	0.48	0.085 J
Atrazine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzaldehyde	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Benzo(a)Anthracene	**1**	1	1		0.035 U	0.17	0.4	**1.7**	0.35
Benzo(a)Pyrene	**1**	1	22		0.035 U	0.2	0.43	**1.6**	0.36
Benzo(b)Fluoranthene	**1**	1	1.7		0.035 U	0.23	0.53	**2**	0.45
Benzo(g,h,i)Perylene	100	100	1,000		0.35 U	0.11 J	0.23 J	0.71	0.18 J
Benzo(k)Fluoranthene	**0.8**	3.9	1.7		0.035 U	0.085	0.19	0.67	0.15
Benzyl Butyl Phthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.02 J	0.34 U
Biphenyl (Diphenyl)	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.012 J	0.34 U
Bis(2-Chloroethoxy) Methane	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.32 J	0.4
Caprolactam	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Carbazole	NS	NS	NS		0.35 U	0.016 J	0.036 J	0.14 J	0.027 J
Chrysene	**1**	3.9	1		0.35 U	0.19 J	0.4	**1.7**	0.37
Dibenz(a,h)Anthracene	**0.33**	0.33	1,000		0.035 U	0.03 J	0.057	0.19	0.051
Dibenzofuran	7	59	210		0.35 U	0.34 U	0.02 J	0.097 J	0.012 J
Diethyl Phthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Dimethyl Phthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Di-N-Butyl Phthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.048 J	0.014 J
Di-N-Octylphthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Fluoranthene	100	100	1,000		0.35 U	0.3 J	0.71	3	0.56
Fluorene	30	100	386		0.35 U	0.34 U	0.025 J	0.16 J	0.026 J
Hexachlorobenzene	0.33	1.2	3.2		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
Hexachlorobutadiene	NS	NS	NS		0.071 U	0.068 U	0.069 U	0.069 U	0.069 U
Hexachlorocyclopentadiene	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Hexachloroethane	NS	NS	NS		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	8.2		0.035 U	0.14	0.26	**0.89**	0.21
Isophorone	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Naphthalene	12	100	12		0.35 U	0.01 J	0.028 J	0.037 J	0.013 J
Nitrobenzene	NS	NS	NS		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
N-Nitrosodi-N-Propylamine	NS	NS	NS		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
N-Nitrosodiphenylamine	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Pentachlorophenol	0.8	6.7	0.8		0.28 UT	0.27 U	0.27 U	0.27 U	0.27 U
Phenanthrene	100	100	1,000		0.35 U	0.18 J	0.4	2.3	0.44
Phenol	**0.33**	100	0.33		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Pyrene	100	100	1,000		0.0093 J	0.33 J	0.76	3	0.67

Table 2
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

				AKRF Sample ID	RI-SB-10_0-2_20230801	RI-SB-10_4-6_20230801
				Laboratory Sample ID	460-285294-9	460-285294-10
				Date Sampled	8/01/2023	8/01/2023
				Dilution Factor	1	1
				Unit	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	NS		0.35 U	0.35 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1		0.035 U	0.035 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS		0.35 U	0.35 U
2,4,5-Trichlorophenol	NS	NS	NS		0.35 U	0.35 U
2,4,6-Trichlorophenol	NS	NS	NS		0.14 U	0.14 U
2,4-Dichlorophenol	NS	NS	NS		0.14 U	0.14 U
2,4-Dimethylphenol	NS	NS	NS		0.35 U	0.35 U
2,4-Dinitrophenol	NS	NS	NS		0.28 U	0.28 U
2,4-Dinitrotoluene	NS	NS	NS		0.071 U	0.071 U
2,6-Dinitrotoluene	NS	NS	NS		0.071 U	0.071 U
2-Chloronaphthalene	NS	NS	NS		0.35 U	0.35 U
2-Chlorophenol	NS	NS	NS		0.35 U	0.35 U
2-Methylnaphthalene	NS	NS	NS		0.35 U	0.35 U
2-Methylphenol (O-Cresol)	**0.33**	100	0.33		0.35 U	0.35 U
2-Nitroaniline	NS	NS	NS		0.35 U	0.35 U
2-Nitrophenol	NS	NS	NS		0.35 U	0.35 U
3- And 4- Methylphenol (Total)	NS	NS	NS		0.35 U	0.35 U
3,3'-Dichlorobenzidine	NS	NS	NS		0.14 U	0.14 U
3-Nitroaniline	NS	NS	NS		0.35 U	0.35 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS		0.28 U	0.28 U
4-Bromophenyl Phenyl Ether	NS	NS	NS		0.35 U	0.35 U
4-Chloro-3-Methylphenol	NS	NS	NS		0.35 U	0.35 U
4-Chloroaniline	NS	NS	NS		0.35 U	0.35 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS		0.35 U	0.35 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.33		0.35 U	0.35 U
4-Nitroaniline	NS	NS	NS		0.35 U	0.35 U
4-Nitrophenol	NS	NS	NS		0.71 U	0.71 U
Acenaphthene	20	100	98		0.01 J	0.042 J
Acenaphthylene	100	100	107		0.052 J	0.052 J
Acetophenone	NS	NS	NS		0.35 U	0.037 J
Anthracene	100	100	1,000		0.055 J	0.11 J
Atrazine	NS	NS	NS		0.14 U	0.14 U
Benzaldehyde	NS	NS	NS		0.35 U	0.35 U
Benzo(a)Anthracene	**1**	1	1		0.28	0.59
Benzo(a)Pyrene	**1**	1	22		0.31	0.61
Benzo(b)Fluoranthene	**1**	1	1.7		0.4	0.8
Benzo(g,h,i)Perylene	100	100	1,000		0.16 J	0.28 J
Benzo(k)Fluoranthene	**0.8**	3.9	1.7		0.15	0.3
Benzyl Butyl Phthalate	NS	NS	NS		0.042 J	0.35 U
Biphenyl (Diphenyl)	NS	NS	NS		0.35 U	0.35 U
Bis(2-Chloroethoxy) Methane	NS	NS	NS		0.35 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS		0.035 U	0.035 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS		0.35 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS		0.35 U	0.35 U
Caprolactam	NS	NS	NS		0.35 U	0.35 U
Carbazole	NS	NS	NS		0.024 J	0.063 J
Chrysene	**1**	3.9	1		0.3 J	0.6
Dibenz(a,h)Anthracene	**0.33**	0.33	1,000		0.045	0.072
Dibenzofuran	7	59	210		0.35 U	0.021 J
Diethyl Phthalate	NS	NS	NS		0.35 U	0.35 U
Dimethyl Phthalate	NS	NS	NS		0.35 U	0.35 U
Di-N-Butyl Phthalate	NS	NS	NS		0.35 U	0.35 U
Di-N-Octylphthalate	NS	NS	NS		0.35 U	0.35 U
Fluoranthene	100	100	1,000		0.49	0.96
Fluorene	30	100	386		0.35 U	0.028 J
Hexachlorobenzene	0.33	1.2	3.2		0.035 U	0.035 U
Hexachlorobutadiene	NS	NS	NS		0.071 U	0.071 U
Hexachlorocyclopentadiene	NS	NS	NS		0.35 U	0.35 U
Hexachloroethane	NS	NS	NS		0.035 U	0.035 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	8.2		0.18	0.35
Isophorone	NS	NS	NS		0.14 U	0.14 U
Naphthalene	12	100	12		0.014 J	0.015 J
Nitrobenzene	NS	NS	NS		0.035 U	0.035 U
N-Nitrosodi-N-Propylamine	NS	NS	NS		0.035 U	0.035 U
N-Nitrosodiphenylamine	NS	NS	NS		0.35 U	0.35 U
Pentachlorophenol	0.8	6.7	0.8		0.28 U	0.28 U
Phenanthrene	100	100	1,000		0.23 J	0.6
Phenol	**0.33**	100	0.33		0.35 U	0.35 U
Pyrene	100	100	1,000		0.49	1

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

			AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-01_10-12_20230801	RI-SB-02_0-2_20230801	RI-SB-02_10-12_20230801
			Laboratory Sample ID	460-285294-1	460-285294-2	460-285294-3	460-285294-4
			Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	5,890	5,160	5,840	8,190
Antimony	NS	NS	NS	1.4	0.47 J	0.34 J	0.46 J
Arsenic	**13**	16	16	4	3	3.3	4.7
Barium	**350**	400	820	74.8	61	103	131
Beryllium	7.2	72	47	0.31 J	0.29 J	0.31 J	0.37
Cadmium	**2.5**	4.3	7.5	0.33 J	0.21 J	0.21 J	0.37 J
Calcium	NS	NS	NS	30,000	19,600	12,000	12,900
Chromium, Hexavalent	1	110	19	2 U	2 U	2 U	2 U
Chromium, Total	NS	NS	NS	13.3	14.3	17	17.3
Cobalt	NS	NS	NS	3.9	4	4	4.4
Copper	**50**	270	1,720	33.8	19.3	28	28.1
Iron	NS	NS	NS	10,800	10,200	10,700	12,100
Lead	**63**	400	450	**131**	**91.8**	**94**	**138**
Magnesium	NS	NS	NS	3,360	3,600	2,650	3,020
Manganese	1,600	2,000	2,000	202	211	220	214
Mercury	**0.18**	0.81	0.73	**0.19**	0.11	0.089	**0.44**
Nickel	**30**	310	130	13.7	23.5	18.5	19.3
Potassium	NS	NS	NS	821	822	941	942
Selenium	3.9	180	4	0.19 J	1.2 U	0.16 J	0.23 J
Silver	2	180	8.3	0.093 J	0.37 U	0.34 J	0.83
Sodium	NS	NS	NS	315	298	214	225
Thallium	NS	NS	NS	0.38 U	0.37 U	0.39 U	0.36 U
Vanadium	NS	NS	NS	24.6	17.5	20.4	22.4
Zinc	**109**	10,000	2,480	**147**	102	**117**	**170**

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

			AKRF Sample ID	RI-SB-03_0-2_20230802	RI-SB-03_9-11_20230802	RI-SB-04_2-4_20230802	RI-SB-04_6-8_20230802
			Laboratory Sample ID	460-285367-1	460-285367-2	460-285367-3	460-285367-4
			Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/02/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	4,870	4,820	7,910	6,240
Antimony	NS	NS	NS	0.37 J	0.23 J	1.8	0.79 U
Arsenic	**13**	16	16	2.4	2.4	7	1.6
Barium	**350**	400	820	43.8	32.9	**804**	53.7
Beryllium	7.2	72	47	0.31 J	0.31 J	0.34	0.36
Cadmium	**2.5**	4.3	7.5	0.17 J	0.79 U	**3.2**	0.79 U
Calcium	NS	NS	NS	5,710	2,080	22,900	2,010
Chromium, Hexavalent	1	110	19	2 U	2 U	2 U	2.1 U
Chromium, Total	NS	NS	NS	15.1	15.1	15.6	20.4
Cobalt	NS	NS	NS	4.8	5.2	4.1	5.7
Copper	**50**	270	1,720	14.7	10.5	25	13.5
Iron	NS	NS	NS	11,500	10,700	16,800	12,000
Lead	**63**	400	450	19.6	8.6	**718**	18
Magnesium	NS	NS	NS	2,890	2,630	2,840	3,300
Manganese	1,600	2,000	2,000	289	195	228	154
Mercury	**0.18**	0.81	0.73	**0.3**	0.017 U	**0.26**	NR
Nickel	**30**	310	130	26.3	21.1	12.1	**40.2**
Potassium	NS	NS	NS	967	954	587	1,300
Selenium	3.9	180	4	0.99 U	0.99 U	0.39 J	0.99 U
Silver	2	180	8.3	0.09 J	0.32 U	0.5	0.32 U
Sodium	NS	NS	NS	125	132	499	128
Thallium	NS	NS	NS	0.065 J	0.062 J	0.071 J	0.085 J
Vanadium	NS	NS	NS	19.8	17.8	24.5	20.8
Zinc	**109**	10,000	2,480	57.2	25.5	**1,030**	36.5

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

			AKRF Sample ID	RI-SB-04_6-8_20230802	RI-SB-05_2-4_20230801	RI-SB-05_7-9_20230801	RI-SB-05_7-9_20230801
			Laboratory Sample ID	460-285367-4	460-285294-11	460-285294-12	460-285294-12
			Date Sampled	8/02/2023	8/01/2023	8/01/2023	8/01/2023
			Dilution Factor	5	1	1	40
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	NR	6,400	5,900	NR
Antimony	NS	NS	NS	NR	0.59 J	0.29 J	NR
Arsenic	**13**	16	16	NR	6.3	5	NR
Barium	**350**	400	820	NR	**516**	240	NR
Beryllium	7.2	72	47	NR	0.29 J	0.29 J	NR
Cadmium	**2.5**	4.3	7.5	NR	0.87 J	0.36 J	NR
Calcium	NS	NS	NS	NR	27,000	41,200	NR
Chromium, Hexavalent	1	110	19	NR	2.1 U	2.2 U	NR
Chromium, Total	NS	NS	NS	NR	16.5	13.6	NR
Cobalt	NS	NS	NS	NR	3.4	3.8	NR
Copper	**50**	270	1,720	NR	29.9	23.9	NR
Iron	NS	NS	NS	NR	10,300	6,860	NR
Lead	**63**	400	450	NR	**620**	**435**	NR
Magnesium	NS	NS	NS	NR	3,370	1,590	NR
Manganese	1,600	2,000	2,000	NR	209	210	NR
Mercury	**0.18**	0.81	0.73	**1.5**	0.094	NR	**13.5**
Nickel	**30**	310	130	NR	16.8	11.5	NR
Potassium	NS	NS	NS	NR	908	741	NR
Selenium	3.9	180	4	NR	0.42 J	0.59 J	NR
Silver	2	180	8.3	NR	0.31 J	0.11 J	NR
Sodium	NS	NS	NS	NR	598	143	NR
Thallium	NS	NS	NS	NR	0.36 U	0.18 J	NR
Vanadium	NS	NS	NS	NR	53.2	12.9	NR
Zinc	**109**	10,000	2,480	NR	**460**	**257**	NR

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

			AKRF Sample ID	RI-SB-06_2-4_20230802	RI-SB-06_6-8_20230802	RI-SB-06_6-8_20230802	RI-SB-07_0-2_20230802
			Laboratory Sample ID	460-285367-5	460-285367-6	460-285367-6	460-285367-7
			Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/02/2023
			Dilution Factor	1	1	3	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	7,260	4,320	NR	8,960
Antimony	NS	NS	NS	1.4	1.1	NR	22.9
Arsenic	**13**	16	16	7.3	3.1	NR	**13.1**
Barium	**350**	400	820	242	**871**	NR	**1,000**
Beryllium	7.2	72	47	0.4	0.22 J	NR	0.59
Cadmium	**2.5**	4.3	7.5	0.6 J	0.42 J	NR	2.5
Calcium	NS	NS	NS	14,100	28,500	NR	35,600
Chromium, Hexavalent	1	110	19	2.1 U	2.1 U	NR	2.3 U
Chromium, Total	NS	NS	NS	17.6	20.9	NR	31.6
Cobalt	NS	NS	NS	5	4.5	NR	8.2
Copper	**50**	270	1,720	39.8	11.9	NR	**177**
Iron	NS	NS	NS	14,800	NR	59,500	20,400
Lead	**63**	400	450	**269**	**695**	NR	NR
Magnesium	NS	NS	NS	2,730	3,070	NR	4,220
Manganese	1,600	2,000	2,000	226	215	NR	245
Mercury	**0.18**	0.81	0.73	**0.58**	**0.57**	NR	NR
Nickel	**30**	310	130	20.9	14.2	NR	**39.3**
Potassium	NS	NS	NS	973	679	NR	1,680
Selenium	3.9	180	4	0.38 J	0.34 J	NR	1.7
Silver	2	180	8.3	0.27 J	0.084 J	NR	0.99
Sodium	NS	NS	NS	233	120	NR	216
Thallium	NS	NS	NS	0.11 J	0.044 J	NR	0.25 J
Vanadium	NS	NS	NS	42.8	13.5	NR	42.5
Zinc	**109**	10,000	2,480	**241**	**395**	NR	**781**

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

			AKRF Sample ID	RI-SB-07_0-2_20230802	RI-SB-07_0-2_20230802	RI-SB-07_4-6_20230802	RI-SB-08_0-2_20230801
			Laboratory Sample ID	460-285367-7	460-285367-7	460-285367-8	460-285294-5
			Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/01/2023
			Dilution Factor	4	15	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	NR	NR	6,390	10,100
Antimony	NS	NS	NS	NR	NR	0.26 J	0.62 J
Arsenic	**13**	16	16	NR	NR	3.1	6.3
Barium	**350**	400	820	NR	NR	37.4	81.3
Beryllium	7.2	72	47	NR	NR	0.38	0.37 J
Cadmium	**2.5**	4.3	7.5	NR	NR	0.84 U	0.33 J
Calcium	NS	NS	NS	NR	NR	1,320	4,680
Chromium, Hexavalent	1	110	19	NR	NR	2.1 U	2 U
Chromium, Total	NS	NS	NS	NR	NR	15.2	20.4
Cobalt	NS	NS	NS	NR	NR	5.7	4.5
Copper	**50**	270	1,720	NR	NR	12.5	44.7
Iron	NS	NS	NS	NR	NR	12,400	17,700
Lead	**63**	400	450	**2,480**	NR	33.4	**91.3**
Magnesium	NS	NS	NS	NR	NR	2,790	2,400
Manganese	1,600	2,000	2,000	NR	NR	259	210
Mercury	**0.18**	0.81	0.73	NR	**3.2**	0.026	**0.55**
Nickel	**30**	310	130	NR	NR	23.7	20.6
Potassium	NS	NS	NS	NR	NR	1,340	814
Selenium	3.9	180	4	NR	NR	1.1 U	0.42 J
Silver	2	180	8.3	NR	NR	0.34 U	1
Sodium	NS	NS	NS	NR	NR	109	155
Thallium	NS	NS	NS	NR	NR	0.077 J	0.077 J
Vanadium	NS	NS	NS	NR	NR	23.2	27
Zinc	**109**	10,000	2,480	NR	NR	30.7	**113**

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

				AKRF Sample ID	RI-SB-08_4-6_20230801	RI-SB-09_0-2_20230801	RI-SB-09_4-6_20230801
				Laboratory Sample ID	460-285294-6	460-285294-7	460-285294-8
				Date Sampled	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1
				Unit	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS		10,300	7,110	5,630
Antimony	NS	NS	NS		0.74 J	1.4	2.1
Arsenic	**13**	16	16		6.6	6.4	8.6
Barium	**350**	400	820		108	264	170
Beryllium	7.2	72	47		0.36	0.4	0.31 J
Cadmium	**2.5**	4.3	7.5		0.4 J	1	0.49 J
Calcium	NS	NS	NS		12,000	30,000	17,600
Chromium, Hexavalent	1	110	19		2 U	2 U	2.1 U
Chromium, Total	NS	NS	NS		19.3	17.7	14.5
Cobalt	NS	NS	NS		4	4.7	5.1
Copper	**50**	270	1,720		32.7	**65.1**	40.5
Iron	NS	NS	NS		16,800	14,500	14,000
Lead	**63**	400	450		**123**	**317**	**1,170**
Magnesium	NS	NS	NS		2,530	3,840	3,670
Manganese	1,600	2,000	2,000		209	271	241
Mercury	**0.18**	0.81	0.73		**0.65**	**0.58**	**0.55**
Nickel	**30**	310	130		15.2	17.3	22.8
Potassium	NS	NS	NS		775	1,020	878
Selenium	3.9	180	4		0.39 J	0.23 J	0.32 J
Silver	2	180	8.3		0.77	0.31 J	0.21 J
Sodium	NS	NS	NS		301	515	325
Thallium	NS	NS	NS		0.036 J	0.38 U	0.39 U
Vanadium	NS	NS	NS		23.1	23.9	23.4
Zinc	**109**	10,000	2,480		**142**	**341**	**202**

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

				AKRF Sample ID	RI-SB-10_0-2_20230801	RI-SB-10_4-6_20230801
				Laboratory Sample ID	460-285294-9	460-285294-10
				Date Sampled	8/01/2023	8/01/2023
				Dilution Factor	1	1
				Unit	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q
Aluminum	NS	NS	NS		9,150	8,790
Antimony	NS	NS	NS		0.48 J	1.3
Arsenic	**13**	16	16		7.5	6.8
Barium	**350**	400	820		89.3	183
Beryllium	7.2	72	47		0.35 J	0.43
Cadmium	**2.5**	4.3	7.5		0.36 J	1.7
Calcium	NS	NS	NS		6,750	34,800
Chromium, Hexavalent	1	110	19		2.1 U	2.1 U
Chromium, Total	NS	NS	NS		19.9	18.8
Cobalt	NS	NS	NS		4.4	8.2
Copper	**50**	270	1,720		35.6	**59**
Iron	NS	NS	NS		13,000	22,400
Lead	**63**	400	450		**95.4**	**239**
Magnesium	NS	NS	NS		2,750	4,020
Manganese	1,600	2,000	2,000		203	263
Mercury	**0.18**	0.81	0.73		**0.64**	**0.27**
Nickel	**30**	310	130		20	23.1
Potassium	NS	NS	NS		1,040	918
Selenium	3.9	180	4		0.29 J	0.15 J
Silver	2	180	8.3		1.1	0.16 J
Sodium	NS	NS	NS		140	875
Thallium	NS	NS	NS		0.38 U	0.38 U
Vanadium	NS	NS	NS		25.4	22.6
Zinc	**109**	10,000	2,480		**130**	**902**

Table 4
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Lead

	AKRF Sample ID	RI-SB-07_0-2_20230802
	Laboratory Sample ID	460-285367-7
	Date Sampled	8/02/2023
	Dilution Factor	10
	Unit	mg/L
Compound	**EPA Hazardous Waste Criteria by TCLP**	CONC Q
Lead	5	0.627

Table 5
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

			AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-01_10-12_20230801	RI-SB-02_0-2_20230801	RI-SB-02_10-12_20230801
			Laboratory Sample ID	460-285294-1	460-285294-2	460-285294-3	460-285294-4
			Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
Total PCBs	**0.1**	1	3.2	0.069 U	0.069 U	0.068 U	0.068 U

Table 5
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

			AKRF Sample ID	RI-SB-03_0-2_20230802	RI-SB-03_9-11_20230802	RI-SB-04_2-4_20230802	RI-SB-04_6-8_20230802
			Laboratory Sample ID	460-285367-1	460-285367-2	460-285367-3	460-285367-4
			Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/02/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
Total PCBs	**0.1**	1	3.2	0.068 U	0.068 U	0.068 U	0.07 U

Table 5
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

			AKRF Sample ID	RI-SB-05_2-4_20230801	RI-SB-05_7-9_20230801	RI-SB-06_2-4_20230802	RI-SB-06_6-8_20230802
			Laboratory Sample ID	460-285294-11	460-285294-12	460-285367-5	460-285367-6
			Date Sampled	8/01/2023	8/01/2023	8/02/2023	8/02/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
Total PCBs	**0.1**	1	3.2	0.069 U	0.073 U	0.07 U	0.071 U

Table 5
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

			AKRF Sample ID	RI-SB-07_0-2_20230802	RI-SB-07_4-6_20230802	RI-SB-08_0-2_20230801	RI-SB-08_4-6_20230801
			Laboratory Sample ID	460-285367-7	460-285367-8	460-285294-5	460-285294-6
			Date Sampled	8/02/2023	8/02/2023	8/01/2023	8/01/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
Total PCBs	**0.1**	1	3.2	0.076 U	0.071 U	0.069 U	0.069 U

Table 5
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

				AKRF Sample ID	RI-SB-09_0-2_20230801	RI-SB-09_4-6_20230801	RI-SB-10_0-2_20230801	RI-SB-10_4-6_20230801
				Laboratory Sample ID	460-285294-7	460-285294-8	460-285294-9	460-285294-10
				Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS		0.069 U	0.069 U	0.071 U	0.071 U
PCB-1221 (Aroclor 1221)	NS	NS	NS		0.069 U	0.069 U	0.071 U	0.071 U
PCB-1232 (Aroclor 1232)	NS	NS	NS		0.069 U	0.069 U	0.071 U	0.071 U
PCB-1242 (Aroclor 1242)	NS	NS	NS		0.069 U	0.069 U	0.071 U	0.071 U
PCB-1248 (Aroclor 1248)	NS	NS	NS		0.069 U	0.069 U	0.071 U	0.071 U
PCB-1254 (Aroclor 1254)	NS	NS	NS		0.069 U	0.069 U	0.071 U	0.071 U
PCB-1260 (Aroclor 1260)	NS	NS	NS		0.13	0.069 U	0.071 U	0.071 U
PCB-1262 (Aroclor 1262)	NS	NS	NS		0.069 U	0.069 U	0.071 U	0.071 U
PCB-1268 (Aroclor 1268)	NS	NS	NS		0.069 U	0.069 U	0.071 U	0.071 U
Total PCBs	**0.1**	1	3.2		**0.13**	0.069 U	0.071 U	0.071 U

Table 6
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Pesticides

			AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-01_10-12_20230801	RI-SB-02_0-2_20230801	RI-SB-02_10-12_20230801
			Laboratory Sample ID	460-285294-1	460-285294-2	460-285294-3	460-285294-4
			Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.19	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	0.0021 U	0.0021 U	0.002 U	0.002 U
Alpha Endosulfan	NS	NS	102	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	0.0021 U	0.0021 U	0.002 U	0.002 U
Beta Endosulfan	NS	NS	102	0.0069 U	0.0069 U	0.0068 U	0.0068 U
cis-Chlordane	0.094	4.2	2.9	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	0.0021 U	0.0021 U	0.002 U	0.002 U
Dieldrin	0.005	0.2	0.1	0.0021 U	0.0021 U	0.002 U	0.002 U
Endosulfan Sulfate	NS	NS	1,000	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Endosulfans ABS	2.4	24	NS	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.06	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Endrin Aldehyde	NS	NS	NS	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Endrin Ketone	NS	NS	NS	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	0.0021 U	0.0021 U	0.002 U	0.002 U
Heptachlor	0.042	2.1	0.38	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Heptachlor Epoxide	NS	NS	NS	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Methoxychlor	NS	NS	NS	0.0069 U	0.0069 U	0.0068 U	0.0068 U
P,P'-DDD	**0.0033**	13	14	0.0069 U	0.0069 U	0.0068 U	**0.005 J**
P,P'-DDE	**0.0033**	8.9	17	0.0069 U	0.0025 J	0.0068 U	**0.0036 J**
P,P'-DDT	**0.0033**	7.9	136	0.0022 J	**0.01**	**0.0062 J**	**0.029**
Toxaphene	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U

Table 6
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Pesticides

				AKRF Sample ID	RI-SB-03_0-2_20230802	RI-SB-03_9-11_20230802	RI-SB-04_2-4_20230802	RI-SB-04_6-8_20230802
				Laboratory Sample ID	460-285367-1	460-285367-2	460-285367-3	460-285367-4
				Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/02/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.19		0.0068 U	0.0068 U	0.0068 U	0.007 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02		0.002 U	0.002 U	0.002 U	0.0021 U
Alpha Endosulfan	NS	NS	102		0.0068 U	0.0068 U	0.0068 U	0.007 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09		0.002 U	0.002 U	0.002 U	0.0021 U
Beta Endosulfan	NS	NS	102		0.0068 U	0.0068 U	0.0068 U	0.007 U
cis-Chlordane	0.094	4.2	2.9		0.0068 U	0.0068 U	0.0068 U	0.033 P
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25		0.002 U	0.002 U	0.002 U	0.0021 U
Dieldrin	0.005	0.2	0.1		0.002 U	0.002 U	0.002 U	0.0021 U
Endosulfan Sulfate	NS	NS	1,000		0.0068 U	0.0068 U	0.0068 U	0.007 U
Endosulfans ABS	2.4	24	NS		0 U	0 U	0 U	0 U
Endrin	0.014	11	0.06		0.0068 U	0.0068 U	0.0068 U	0.007 U
Endrin Aldehyde	NS	NS	NS		0.0068 U	0.0068 U	0.0068 U	0.007 U
Endrin Ketone	NS	NS	NS		0.0068 U	0.0068 U	0.0068 U	0.007 U
Gamma Bhc (Lindane)	0.1	1.3	0.1		0.002 U	0.002 U	0.002 U	0.0021 U
Heptachlor	0.042	2.1	0.38		0.0068 U	0.0068 U	0.0068 U	0.007 U
Heptachlor Epoxide	NS	NS	NS		0.0068 U	0.0068 U	0.0068 U	0.007 U
Methoxychlor	NS	NS	NS		0.0068 U	0.0068 U	0.0068 U	0.007 U
P,P'-DDD	**0.0033**	13	14		0.0025 J	0.0068 U	0.0068 U	**0.011**
P,P'-DDE	**0.0033**	8.9	17		**0.0037 J**	0.0068 U	0.003 J	**0.034**
P,P'-DDT	**0.0033**	7.9	136		**0.015**	0.0068 U	**0.0093**	**0.021**
Toxaphene	NS	NS	NS		0.068 U	0.068 U	0.068 U	0.07 U

Table 6
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Pesticides

				AKRF Sample ID	RI-SB-05_2-4_20230801	RI-SB-05_7-9_20230801	RI-SB-06_2-4_20230802	RI-SB-06_6-8_20230802
				Laboratory Sample ID	460-285294-11	460-285294-12	460-285367-5	460-285367-6
				Date Sampled	8/01/2023	8/01/2023	8/02/2023	8/02/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.19		0.0069 U	0.0073 U	0.007 U	0.0071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02		0.0021 U	0.0022 U	0.0021 U	0.0021 U
Alpha Endosulfan	NS	NS	102		0.0069 U	0.0073 U	0.007 U	0.0071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09		0.0021 U	0.0022 U	0.0021 U	0.0021 U
Beta Endosulfan	NS	NS	102		0.0069 U	0.0073 U	0.007 U	0.0071 U
cis-Chlordane	0.094	4.2	2.9		0.0069 U	0.0073 U	0.0076 P	0.012 P
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25		0.0021 U	0.0022 U	0.0021 U	0.0021 U
Dieldrin	0.005	0.2	0.1		0.0021 U	0.0022 U	0.0021 U	0.0021 U
Endosulfan Sulfate	NS	NS	1,000		0.0069 U	0.0073 U	0.007 U	0.0071 U
Endosulfans ABS	2.4	24	NS		0 U	0 U	0 U	0 U
Endrin	0.014	11	0.06		0.0069 U	0.0073 U	0.007 U	0.0071 U
Endrin Aldehyde	NS	NS	NS		0.0069 U	0.0073 U	0.007 U	0.0071 U
Endrin Ketone	NS	NS	NS		0.0069 U	0.0073 U	0.007 U	0.0071 U
Gamma Bhc (Lindane)	0.1	1.3	0.1		0.0021 U	0.0022 U	0.0021 U	0.0021 U
Heptachlor	0.042	2.1	0.38		0.0069 U	0.0073 U	0.007 U	0.0071 U
Heptachlor Epoxide	NS	NS	NS		0.0069 U	0.0073 U	0.007 U	0.0071 U
Methoxychlor	NS	NS	NS		0.0069 U	0.0073 U	0.007 U	0.0071 U
P,P'-DDD	**0.0033**	13	14		**0.01**	**0.016**	**0.0074**	**0.013**
P,P'-DDE	**0.0033**	8.9	17		**0.0056 J**	**0.027**	**0.0051 JP**	**0.027**
P,P'-DDT	**0.0033**	7.9	136		**0.01**	**0.1**	**0.056**	**0.15**
Toxaphene	NS	NS	NS		0.069 U	0.073 U	0.07 U	0.071 U

Table 6
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Pesticides

				AKRF Sample ID	RI-SB-07_0-2_20230802	RI-SB-07_4-6_20230802	RI-SB-08_0-2_20230801	RI-SB-08_4-6_20230801
				Laboratory Sample ID	460-285367-7	460-285367-8	460-285294-5	460-285294-6
				Date Sampled	8/02/2023	8/02/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.19		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02		0.0023 U	0.0021 U	0.002 U	0.0021 U
Alpha Endosulfan	NS	NS	102		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09		0.0023 U	0.0021 U	0.002 U	0.0021 U
Beta Endosulfan	NS	NS	102		0.0076 U	0.0071 U	0.0069 U	0.0069 U
cis-Chlordane	0.094	4.2	2.9		0.012 P	0.0071 U	0.0069 U	0.0069 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25		0.0023 U	0.0021 U	0.002 U	0.0021 U
Dieldrin	0.005	0.2	0.1		0.0023 U	0.0021 U	0.002 U	0.0021 U
Endosulfan Sulfate	NS	NS	1,000		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Endosulfans ABS	2.4	24	NS		0 U	0 U	0 U	0 U
Endrin	0.014	11	0.06		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Endrin Aldehyde	NS	NS	NS		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Endrin Ketone	NS	NS	NS		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Gamma Bhc (Lindane)	0.1	1.3	0.1		0.0023 U	0.0021 U	0.002 U	0.0021 U
Heptachlor	0.042	2.1	0.38		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Heptachlor Epoxide	NS	NS	NS		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Methoxychlor	NS	NS	NS		0.0076 U	0.0071 U	0.0069 U	0.0069 U
P,P'-DDD	**0.0033**	13	14		**0.069**	0.0071 U	0.0069 U	**0.0037 J**
P,P'-DDE	**0.0033**	8.9	17		**0.017**	0.0071 U	0.0024 J	0.0028 J
P,P'-DDT	**0.0033**	7.9	136		**0.019**	0.0071 U	0.0025 JP	**0.0048 JP**
Toxaphene	NS	NS	NS		0.076 U	0.071 U	0.069 U	0.069 U

Table 6
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Pesticides

				AKRF Sample ID	RI-SB-09_0-2_20230801	RI-SB-09_4-6_20230801	RI-SB-10_0-2_20230801	RI-SB-10_4-6_20230801
				Laboratory Sample ID	460-285294-7	460-285294-8	460-285294-9	460-285294-10
				Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.19		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02		0.0021 U	0.0021 U	0.0021 U	0.0021 U
Alpha Endosulfan	NS	NS	102		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09		0.0021 U	0.0021 U	0.0021 U	0.0021 U
Beta Endosulfan	NS	NS	102		0.0069 U	0.0069 U	0.0071 U	0.0071 U
cis-Chlordane	0.094	4.2	2.9		0.0054 JP	0.005 JP	0.0071 U	0.0042 JP
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25		0.0021 U	0.0021 U	0.0021 U	0.0021 U
Dieldrin	0.005	0.2	0.1		0.0021 U	0.0021 U	0.0021 U	0.0021 U
Endosulfan Sulfate	NS	NS	1,000		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Endosulfans ABS	2.4	24	NS		0 U	0 U	0 U	0 U
Endrin	0.014	11	0.06		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Endrin Aldehyde	NS	NS	NS		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Endrin Ketone	NS	NS	NS		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Gamma Bhc (Lindane)	0.1	1.3	0.1		0.0021 U	0.0021 U	0.0021 U	0.0021 U
Heptachlor	0.042	2.1	0.38		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Heptachlor Epoxide	NS	NS	NS		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Methoxychlor	NS	NS	NS		0.0069 U	0.0069 U	0.0071 U	0.0071 U
P,P'-DDD	**0.0033**	13	14		**0.0045 J**	**0.0035 J**	0.0071 U	0.0071 U
P,P'-DDE	**0.0033**	8.9	17		**0.0051 JP**	**0.0055 J**	**0.0052 J**	0.0071 U
P,P'-DDT	**0.0033**	7.9	136		**0.093**	**0.02**	**0.0075**	**0.041**
Toxaphene	NS	NS	NS		0.069 U	0.069 U	0.071 U	0.071 U

Table 7
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

			AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-06_6-8_20230802	RI-SB-07_4-6_20230802
			Laboratory Sample ID	460-285303-1	460-285401-2	460-285401-1
			Date Sampled	8/01/2023	8/02/2023	8/02/2023
			Dilution Factor	1	1	1
			Unit	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	NS	5.54 U	5.43 U	5.22 U
3-Perfluoroheptyl propanoic acid	NS	NS	NS	5.54 U	5.43 U	5.22 U
3-Perfluoropropyl propanoic acid	NS	NS	NS	1.11 U	1.09 U	1.04 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
6:2 Fluorotelomer sulfonate	NS	NS	NS	0.89 U	0.87 U	0.83 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	0.89 U	0.87 U	0.83 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
Hexafluoropropylene oxide dimer acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
N-ethyl perfluorooctanesulfonamide	NS	NS	NS	0.22 U	0.22 U	0.21 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	NS	2.21 U	2.17 U	2.09 U
N-methyl perfluorooctanesulfonamide	NS	NS	NS	0.22 U	0.22 U	0.21 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.22 U	0.064 J	0.21 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	NS	2.21 U	2.17 U	2.09 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	NS	0.44 U	0.43 U	0.42 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	NS	0.44 U	0.43 U	0.42 U
Perfluoro-3-methoxypropanoic acid	NS	NS	NS	0.44 U	0.43 U	0.42 U
Perfluoro-4-methoxybutanoic acid	NS	NS	NS	0.44 U	0.43 U	0.42 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluorobutanoic acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.22 U	0.5	0.21 U
Perfluorodecanoic acid	NS	NS	NS	0.22 U	0.091 J	0.21 U
Perfluorododecanesulfonic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluorododecanoic acid	NS	NS	NS	0.22 U	0.086 J	0.21 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluoroheptanoic acid	NS	NS	NS	0.22 U	0.1 J	0.21 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.22 U	0.039 J	0.027 J
Perfluorohexanoic acid	NS	NS	NS	0.22 U	0.11 J	0.21 U
Perfluorononanesulfonic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluorononanoic acid	NS	NS	NS	0.028 J	0.13 J	0.21 U
Perfluorooctanesulfonamide	NS	NS	NS	0.024 J	0.021 J	0.019 J
Perfluorooctanesulfonic acid (PFOS)	**0.88**	44	1	**1.36**	**2.23**	0.23
Perfluorooctanoic acid (PFOA)	**0.66**	33	0.8	0.31	0.55	**0.78**
Perfluoropentanoic acid	NS	NS	NS	0.088 J	0.18 J	0.42 U
Perfluoropentansulfonic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluorotetradecanoic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluorotridecanoic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluoroundecanoic acid	NS	NS	NS	0.22 U	0.052 J	0.21 U

Table 8
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of VOCs

	AKRF Sample ID	RI-TW-01_20230801		RI-TW-02_20230803		RI-TW-03_20230802		RI-TW-04_20230803	
	Laboratory Sample ID	460-285302-1		460-285506-1		460-285399-2		460-285506-2	
	Date Sampled	8/01/2023		8/03/2023		8/02/2023		8/03/2023	
	Unit	µg/L		µg/L		µg/L		µg/L	
	Dilution Factor	1		1		1		1	
Compound	**AWQSGV**	CONC	Q	CONC	Q	CONC	Q	CONC	Q
1,1,1-Trichloroethane	5	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U
1,2,3-Trichlorobenzene	5	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	1	U	1	U	1	U	1	U
1,2,4-Trimethylbenzene	5	1	U	1	U	1	U	1	U
1,2-Dibromo-3-Chloropropane	0.04	1	U	1	U	1	U	1	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene (Mesitylene)	5	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U
2-Hexanone	50	5	U	5	U	5	U	5	U
Acetone	50	5	U	5	U	5	U	6.5	
Benzene	1	1	U	1	U	1	U	1	U
Bromochloromethane	5	1	U	1	U	1	U	1	U
Bromodichloromethane	50	1	U	1	U	1	U	1	U
Bromoform	50	1	U	1	U	1	U	1	U
Bromomethane	5	1	U	1	U	1	U	1	U
Carbon Disulfide	60	1	U	1	U	1	U	1	U
Carbon Tetrachloride	5	1	U	1	U	1	U	1	U
Chlorobenzene	5	1	U	1	U	1	U	1	U
Chloroethane	5	1	U	1	U	1	U	1	U
Chloroform	7	1	U	1	U	1	U	1	U
Chloromethane	5	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethylene	5	1	U	1	U	1	U	1	U
Cis-1,3-Dichloropropene	NS	1	U	1	U	1	U	1	U
Cyclohexane	NS	1	U	1	U	1	U	1	U
Dibromochloromethane	50	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	1	U	1	U	1	U	1	U
Ethylbenzene	5	1	U	1	U	1	U	1	U
Isopropylbenzene (Cumene)	5	1	U	1	U	1	U	1	U
M,P-Xylenes	5	1	U	1	U	1	U	1	U
Methyl Acetate	NS	5	U	5	U	5	U	5	U
Methyl Ethyl Ketone (2-Butanone)	50	5	U	5	U	5	U	5	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5	U	5	U	5	U	5	U
Methylcyclohexane	NS	1	U	1	U	1	U	1	U
Methylene Chloride	5	1	U	1	U	1	U	1	U
N-Butylbenzene	5	1	U	1	U	1	U	1	U
N-Propylbenzene	5	1	U	1	U	1	U	1	U
O-Xylene (1,2-Dimethylbenzene)	5	1	U	1	U	1	U	1	U
Sec-Butylbenzene	5	1	U	1	U	1	U	1	U
Styrene	5	1	U	1	U	1	U	1	U
T-Butylbenzene	5	1	U	1	U	1	U	1	U
Tert-Butyl Methyl Ether	10	1	U	1	U	1	U	1	U
Tetrachloroethylene (PCE)	5	0.33	J	0.85	J	1	U	0.37	J
Toluene	5	1	U	1	U	1	U	1	U
Trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U
Trans-1,3-Dichloropropene	NS	1	U	1	U	1	U	1	U
Trichloroethylene (TCE)	5	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	1	U	1	U	1	U	1	U
Vinyl Chloride	2	1	U	1	U	1	U	1	U
Xylenes, Total	NS	2	U	2	U	2	U	2	U

Table 9
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of SVOCs

	AKRF Sample ID	RI-TW-01_20230801	RI-TW-01_20230802	RI-TW-02_20230803
	Laboratory Sample ID	460-285302-1	460-285399-1	460-285506-1
	Date Sampled	8/01/2023	8/02/2023	8/03/2023
	Unit	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	NR	10 U
1,4-Dioxane (P-Dioxane)	0.35	NR	0.2 U	0.2 UT
2,3,4,6-Tetrachlorophenol	NS	10 U	NR	10 U
2,4,5-Trichlorophenol	NS	10 U	NR	10 U
2,4,6-Trichlorophenol	NS	10 U	NR	10 U
2,4-Dichlorophenol	5	10 U	NR	10 U
2,4-Dimethylphenol	50	10 U	NR	10 U
2,4-Dinitrophenol	10	40 U	NR	40 U
2,4-Dinitrotoluene	5	10 U	NR	10 U
2,6-Dinitrotoluene	5	2 U	NR	2 U
2-Chloronaphthalene	10	10 U	NR	10 U
2-Chlorophenol	NS	10 U	NR	10 U
2-Methylnaphthalene	NS	10 U	NR	10 U
2-Methylphenol (O-Cresol)	NS	10 U	NR	10 U
2-Nitroaniline	5	10 U	NR	10 U
2-Nitrophenol	NS	10 U	NR	10 U
3- And 4- Methylphenol (Total)	NS	10 U	NR	10 U
3,3'-Dichlorobenzidine	5	10 U	NR	10 U
3-Nitroaniline	5	10 U	NR	10 U
4,6-Dinitro-2-Methylphenol	NS	20 U	NR	20 U
4-Bromophenyl Phenyl Ether	NS	10 U	NR	10 U
4-Chloro-3-Methylphenol	NS	10 U	NR	10 U
4-Chloroaniline	5	10 U	NR	10 U
4-Chlorophenyl Phenyl Ether	NS	10 U	NR	10 U
4-Methylphenol (P-Cresol)	NS	10 U	NR	10 U
4-Nitroaniline	5	10 U	NR	10 U
4-Nitrophenol	NS	20 U	NR	20 U
Acenaphthene	20	10 U	NR	10 U
Acenaphthylene	NS	10 U	NR	10 U
Acetophenone	NS	10 U	NR	10 U
Anthracene	50	10 U	NR	10 U
Atrazine	7.5	2 UT	NR	2 UT
Benzaldehyde	NS	10 U	NR	10 UT
Benzo(a)Anthracene	**0.002**	1 U	NR	1 U
Benzo(a)Pyrene	**ND**	1 U	NR	1 U
Benzo(b)Fluoranthene	**0.002**	2 U	NR	2 U
Benzo(g,h,i)Perylene	NS	10 U	NR	10 U
Benzo(k)Fluoranthene	0.002	1 U	NR	1 U
Benzyl Butyl Phthalate	50	10 U	NR	10 U
Biphenyl (Diphenyl)	5	10 U	NR	10 U
Bis(2-Chloroethoxy) Methane	5	10 U	NR	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	NR	1 U
Bis(2-Chloroisopropyl) Ether	5	10 U	NR	10 U
Bis(2-Ethylhexyl) Phthalate	5	2 U	NR	2 U
Caprolactam	NS	10 U	NR	10 U
Carbazole	NS	10 U	NR	10 U
Chrysene	**0.002**	2 U	NR	2 U
Dibenz(a,h)Anthracene	NS	1 U	NR	1 U
Dibenzofuran	NS	10 U	NR	10 U
Diethyl Phthalate	50	10 U	NR	10 U
Dimethyl Phthalate	50	10 U	NR	10 U
Di-N-Butyl Phthalate	50	10 U	NR	10 U
Di-N-Octylphthalate	50	10 U	NR	10 U
Fluoranthene	50	10 U	NR	10 U
Fluorene	50	10 U	NR	10 U
Hexachlorobenzene	0.04	1 U	NR	1 U
Hexachlorobutadiene	0.5	1 U	NR	1 U
Hexachlorocyclopentadiene	5	10 U	NR	10 U
Hexachloroethane	5	2 U	NR	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U	NR	2 U
Isophorone	50	10 U	NR	10 U
Naphthalene	10	2 U	NR	2 U
Nitrobenzene	0.4	1 U	NR	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	NR	1 U
N-Nitrosodiphenylamine	50	10 U	NR	10 U
Pentachlorophenol	NS	20 U	NR	20 U
Phenanthrene	50	10 U	NR	10 U
Phenol	1	10 U	NR	10 U
Pyrene	50	10 U	NR	10 U

Table 9
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of SVOCs

	AKRF Sample ID	RI-TW-03_20230802	RI-TW-04_20230803
	Laboratory Sample ID	460-285399-2	460-285506-2
	Date Sampled	8/02/2023	8/03/2023
	Unit	µg/L	µg/L
	Dilution Factor	1	1
Compound	**AWQSGV**	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U
1,4-Dioxane (P-Dioxane)	0.35	0.2 U	NR
2,3,4,6-Tetrachlorophenol	NS	10 U	10 U
2,4,5-Trichlorophenol	NS	10 U	10 U
2,4,6-Trichlorophenol	NS	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 U
2,4-Dimethylphenol	50	10 U	10 U
2,4-Dinitrophenol	10	40 U	40 U
2,4-Dinitrotoluene	5	10 U	10 U
2,6-Dinitrotoluene	5	2 U	2 U
2-Chloronaphthalene	10	10 U	10 U
2-Chlorophenol	NS	10 U	10 U
2-Methylnaphthalene	NS	10 U	10 U
2-Methylphenol (O-Cresol)	NS	10 U	10 U
2-Nitroaniline	5	10 U	10 U
2-Nitrophenol	NS	10 U	10 U
3- And 4- Methylphenol (Total)	NS	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U
3-Nitroaniline	5	10 U	10 U
4,6-Dinitro-2-Methylphenol	NS	20 U	20 U
4-Bromophenyl Phenyl Ether	NS	10 U	10 U
4-Chloro-3-Methylphenol	NS	10 U	10 U
4-Chloroaniline	5	10 U	10 U
4-Chlorophenyl Phenyl Ether	NS	10 U	10 U
4-Methylphenol (P-Cresol)	NS	10 U	10 U
4-Nitroaniline	5	10 U	10 U
4-Nitrophenol	NS	20 U	20 U
Acenaphthene	20	10 U	10 U
Acenaphthylene	NS	10 U	10 U
Acetophenone	NS	10 U	10 U
Anthracene	50	10 U	10 U
Atrazine	7.5	2 U	2 UT
Benzaldehyde	NS	10 U	10 UT
Benzo(a)Anthracene	**0.002**	1 U	**1.1**
Benzo(a)Pyrene	**ND**	1 U	**1.1**
Benzo(b)Fluoranthene	**0.002**	2 U	**1.2 J**
Benzo(g,h,i)Perylene	NS	10 U	10 U
Benzo(k)Fluoranthene	0.002	1 U	1 U
Benzyl Butyl Phthalate	50	10 U	10 U
Biphenyl (Diphenyl)	5	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	2 U	2 U
Caprolactam	NS	10 U	10 U
Carbazole	NS	10 U	10 U
Chrysene	**0.002**	2 U	**1 J**
Dibenz(a,h)Anthracene	NS	1 UT	1 U
Dibenzofuran	NS	10 U	10 U
Diethyl Phthalate	50	3.7 J	10 U
Dimethyl Phthalate	50	10 U	10 U
Di-N-Butyl Phthalate	50	10 U	10 U
Di-N-Octylphthalate	50	10 U	10 U
Fluoranthene	50	10 U	2 J
Fluorene	50	10 U	10 U
Hexachlorobenzene	0.04	1 U	1 U
Hexachlorobutadiene	0.5	1 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U
Hexachloroethane	5	2 U	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U	2 U
Isophorone	50	10 U	10 U
Naphthalene	10	2 U	2 U
Nitrobenzene	0.4	1 U	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	10 U
Pentachlorophenol	NS	20 U	20 U
Phenanthrene	50	10 U	10 U
Phenol	1	10 U	10 U
Pyrene	50	10 U	1.9 J

Table 10
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of Total Metals

AKRF Sample ID		RI-TW-01_20230801	RI-TW-02_20230803	RI-TW-03_20230802	RI-TW-04_20230803
Laboratory Sample ID		460-285302-1	460-285506-1	460-285399-2	460-285506-2
Date Sampled		8/01/2023	8/03/2023	8/02/2023	8/03/2023
Unit		µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	127,000	20,000	1,750	11,800
Antimony	3	2.3	0.67 J	2 U	1.4 J
Arsenic	**25**	**45.1**	7.7	2 U	7.2
Barium	**1,000**	**1,480**	261	92.6	986
Beryllium	**3**	**10.4**	1.2	0.15 J	0.67 J
Cadmium	5	2.7	2 U	2 U	0.8 J
Calcium	NS	192,000	77,300	110,000	99,600
Chromium, Total	**50**	**280**	38.9	3 J	30
Cobalt	NS	144	19.2	2 J	9.5
Copper	**200**	**406**	53.3	6.5	47.3
Iron	**300**	**223,000**	**33,300**	**2,840**	**15,900**
Lead	**25**	**549**	**39.7**	2.5	**1,440**
Magnesium	**35,000**	**88,900**	24,500	33,600	11,700
Manganese	**300**	**5,040**	**1,130**	160	**524**
Mercury	**0.7**	**0.84**	0.13 J	0.2 U	0.58
Nickel	**100**	**698**	99.7	13.1	42.8
Potassium	NS	28,000	9,440	13,900	6,980
Selenium	10	2.5	1.3 BJ	6.9 B	1.5 BJ
Silver	50	2 U	2 U	2 U	2 U
Sodium	**20,000**	**50,600**	**37,200**	17,800	13,600
Thallium	0.5	0.41 J	0.8 U	0.8 U	0.8 U
Vanadium	NS	346	51.7	4.2	41.6
Zinc	2,000	1,050	114	15.9 J	547

Table 11
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of Dissolved Metals

AKRF Sample ID		RI-TW-01_20230801	RI-TW-02_20230803	RI-TW-03_20230802	RI-TW-04_20230803
Laboratory Sample ID		460-285302-1	460-285506-1	460-285399-2	460-285506-2
Date Sampled		8/01/2023	8/03/2023	8/02/2023	8/03/2023
Unit		µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	99.4 B	40 U	970	40 U
Antimony	3	0.74 J	2 U	2 U	0.6 J
Arsenic	25	2 U	2 U	2 U	1.4 J
Barium	1,000	85.4	84	90.6	107
Beryllium	3	0.8 U	0.8 U	0.14 J	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U
Calcium	NS	99,200	79,800	106,000	89,800
Chromium, Total	50	4 U	4 U	4 U	4 U
Cobalt	NS	0.85 J	0.59 J	1.7 J	1.1 J
Copper	200	4 U	2.8 J	4.8	6.8
Iron	**300**	58.6 BJ	120 U	**1,360**	205
Lead	25	0.44 J	1.2 U	1.7	22.9
Magnesium	35,000	20,700	16,400	33,300	17,300
Manganese	**300**	**342 B**	146	145	**918**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	3.3 J	3 J	11	2 J
Potassium	NS	7,690 B	5,470	14,100	8,500
Selenium	10	2.5 U	1.1 J	6.1	0.58 J
Silver	50	2 U	2 U	2 U	2 U
Sodium	**20,000**	**53,500**	**31,100**	17,500	**26,800**
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	4 U	4 U	2.2 J	2.8 J
Zinc	2,000	16 U	16 U	9.7 J	14.8 J

Table 12
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of PCBs

AKRF Sample ID		RI-TW-01_20230802	RI-TW-02_20230803	RI-TW-03_20230802	RI-TW-04_20230803
Laboratory Sample ID		460-285399-1	460-285506-1	460-285399-2	460-285506-2
Date Sampled		8/02/2023	8/03/2023	8/02/2023	8/03/2023
Unit		µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	NS	0.4 U	0.4 U	0.4 U	0.4 U
Total PCBs	0.09	0.4 U	0.4 U	0.4 U	0.4 U

Table 13
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of Pesticides

AKRF Sample ID		RI-TW-01_20230802	RI-TW-02_20230803	RI-TW-03_20230802	RI-TW-04_20230803
Laboratory Sample ID		460-285399-1	460-285506-1	460-285399-2	460-285506-2
Date Sampled		8/02/2023	8/03/2023	8/02/2023	8/03/2023
Unit		µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	ND	0.02 UT	0.02 U	0.02 UT	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	0.02 UT	0.02 U	0.02 UT	0.02 U
Alpha Endosulfan	NS	0.02 UT	0.02 U	0.02 UT	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	NS	0.02 U	0.02 U	0.02 U	0.02 U
cis-Chlordane	NS	0.02 UT	0.02 U	0.02 UT	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	NS	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfans ABS	NS	0 U	0 U	0 U	0 U
Endrin	ND	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	5	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.05	0.02 UT	0.02 U	0.02 UT	0.02 U
Heptachlor	0.04	0.02 UT	0.02 U	0.02 UT	0.02 U
Heptachlor Epoxide	0.03	0.02 UT	0.02 U	0.02 UT	0.02 U
Methoxychlor	35	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	0.02 UT	0.02 U	0.02 UT	0.02 U
P,P'-DDE	0.2	0.02 UT	0.02 U	0.02 UT	0.02 U
P,P'-DDT	0.2	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	0.5 U	0.5 U	0.5 U	0.5 U

Table 14
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of PFAS

	AKRF Sample ID	RI-TW-02_20230803	RI-TW-03_20230802	RI-TW-04_20230803
	Laboratory Sample ID	460-285490-1	460-285400-1	460-285490-2
	Date Sampled	8/03/2023	8/02/2023	8/03/2023
	Unit	ppt	ppt	ppt
	Dilution Factor	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	10.4 U	16 UT	16 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	10.4 U	16 U	16 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	NS	26 U	39.9 U	40 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	NS	26 U	39.9 U	40 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	65.1 U	99.8 U	100 U
3-Perfluoroheptyl propanoic acid	NS	65.1 U	99.8 U	100 U
3-Perfluoropropyl propanoic acid	NS	13 U	20 U	20 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NS	10.4 U	16 U	16 U
6:2 Fluorotelomer sulfonate	NS	10.4 U	16 U	16 U
8:2 Fluorotelomer sulfonate	NS	10.4 U	16 U	16 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	10.4 U	16 UT	16 U
N-ethyl perfluorooctanesulfonamide	NS	2.6 U	3.99 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	2.6 U	3.99 U	4 U
N-methyl perfluorooctanesulfonamide	NS	2.6 U	3.99 U	4 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	5.2 U	7.99 U	8.01 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	5.2 U	7.99 U	8.01 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	5.2 U	7.99 U	8.01 U
Perfluoro(2-Propoxypropanoic) Acid	NS	10.4 U	16 U	16 U
Perfluoro-3-methoxypropanoic acid	NS	5.2 U	7.99 U	8.01 U
Perfluoro-4-methoxybutanoic acid	NS	5.2 U	7.99 U	8.01 U
Perfluorobutanesulfonic acid	NS	3.33 T	7.76	3.2 JT
Perfluorobutanoic acid	NS	11.3	12.2 J	13.4 J
Perfluorodecanesulfonic acid	NS	2.6 U	3.99 U	4 U
Perfluorodecanoic acid	NS	1.36 J	3.99 U	2.38 J
Perfluorododecanesulfonic acid	NS	2.6 U	3.99 U	4 U
Perfluorododecanoic acid	NS	2.6 U	3.99 U	4 U
Perfluoroheptanesulfonic acid	NS	1.13 J	2.5 J	4 U
Perfluoroheptanoic acid	NS	8.9	15.5	9.83
Perfluorohexanesulfonic acid	NS	3.69	8.48	4.53
Perfluorohexanoic acid	NS	9.96	12	11.5
Perfluorononanesulfonic acid	NS	2.6 U	3.99 U	4 U
Perfluorononanoic acid	NS	5.12	4.76	8.38
Perfluorooctanesulfonamide	NS	2.05 J	3.99 U	4 U
Perfluorooctanesulfonic acid (PFOS)	**2.7**	**79.7**	**97.4**	**113**
Perfluorooctanoic acid (PFOA)	**6.7**	**108**	**169**	**60.7**
Perfluoropentanoic acid	NS	11.5	10.8	14.5
Perfluoropentansulfonic acid	NS	2.6 U	1.97 J	1.57 J
Perfluorotetradecanoic acid	NS	2.6 U	3.99 U	4 U
Perfluorotridecanoic acid	NS	2.6 U	3.99 U	4 U
Perfluoroundecanoic acid	NS	2.6 U	3.99 U	4 U

Table 15
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Vapor Analytical Results of VOCs

AKRF Sample ID	RI-AA-01_20230801	RI-SV-01_20230801	RI-SV-01_20230801	RI-SV-03_20230802	RI-SV-03_20230802	RI-SV-04_20230802	RI-SV-04_20230802
Laboratory Sample ID	200-69358-4	200-69358-1	200-69358-1	200-69389-1	200-69389-1	200-69389-2	200-69389-2
Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/02/2023	8/02/2023	8/02/2023	8/02/2023
Unit	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Dilution Factor	1	1	4	8	40	2	10
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1.1 U	32	NR	8.7 U	NR	0.49 J	NR
1,1,2,2-Tetrachloroethane	1.4 U	1.4 U	NR	11 U	NR	2.7 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NR	1.5 U	NR	12 U	NR	3.1 U	NR
1,1,2-Trichloroethane	1.1 U	1.1 U	NR	8.7 U	NR	2.2 U	NR
1,1-Dichloroethane	0.81 U	0.81 U	NR	6.5 U	NR	1.6 U	NR
1,1-Dichloroethene	0.2 U	0.2 U	NR	1.6 U	NR	0.4 U	NR
1,2,4-Trichlorobenzene	3.7 U	3.7 U	NR	30 U	NR	7.4 U	NR
1,2,4-Trimethylbenzene	0.98 U	15	NR	4.5 J	NR	11	NR
1,2-Dibromoethane (Ethylene Dibromide)	1.5 U	1.5 U	NR	12 U	NR	3.1 U	NR
1,2-Dichlorobenzene	1.2 U	1.2 U	NR	9.6 U	NR	2.4 U	NR
1,2-Dichloroethane	0.81 U	0.81 U	NR	58	NR	1.6 U	NR
1,2-Dichloropropane	0.92 U	0.92 U	NR	940	NR	1.8 U	NR
1,2-Dichlorotetrafluoroethane	NR	1.4 U	NR	11 U	NR	2.8 U	NR
1,3,5-Trimethylbenzene (Mesitylene)	0.98 U	4.7	NR	1.9 J	NR	2.2	NR
1,3-Butadiene	0.44 U	18	NR	5.6	NR	0.88 U	NR
1,3-Dichlorobenzene	1.2 U	16	NR	8.8 J	NR	35	NR
1,4-Dichlorobenzene	1.2 U	1.2 U	NR	9.6 U	NR	2.4 U	NR
2,2,4-Trimethylpentane	0.93 U	3.7	NR	7.5 U	NR	0.43 J	NR
2-Chlorotoluene	1 U	1 U	NR	8.3 U	NR	2.1 U	NR
2-Hexanone	2 U	1.8 J	NR	16 U	NR	4.1 U	NR
4-Ethyltoluene	0.98 U	3.6	NR	7.9 U	NR	2	NR
Acetone	12 U	NR	220 D	37 J	NR	NR	500 D
Allyl Chloride (3-Chloropropene)	1.6 U	1.6 U	NR	13 U	NR	3.1 U	NR
Benzene	0.64 U	14	NR	11	NR	1.5	NR
Benzyl Chloride	1 U	1 U	NR	8.3 U	NR	2.1 U	NR
Bromodichloromethane	1.3 U	1.3 U	NR	11 U	NR	2.7 U	NR
Bromoform	2.1 U	2.1 U	NR	17 U	NR	4.1 U	NR
Bromomethane	0.78 U	0.78 U	NR	6.2 U	NR	1.6 U	NR
Butane	0.55 J	84	NR	34	NR	2.6	NR
Carbon Disulfide	1.6 U	36	NR	3.7 J	NR	3.2	NR
Carbon Tetrachloride	0.22 U	0.32	NR	NR	6,400 D	0.35 J	NR
Chlorobenzene	0.92 U	0.31 J	NR	7.4 U	NR	0.48 J	NR
Chlorodifluoromethane	1.6 BJ	1.3 BJ	NR	14 U	NR	0.96 J	NR
Chloroethane	1.3 U	0.67 J	NR	11 U	NR	2.6 U	NR
Chloroform	0.98 U	0.86 J	NR	78	NR	3.2	NR
Chloromethane	1.2	0.91 J	NR	8.3 U	NR	0.71 J	NR
Cis-1,2-Dichloroethylene	0.2 U	0.2 U	NR	1.6 U	NR	0.4 U	NR
Cis-1,3-Dichloropropene	0.91 U	0.91 U	NR	7.3 U	NR	1.8 U	NR
Cyclohexane	0.69 U	22	NR	1.9 J	NR	0.66 J	NR
Cymene	1.1 U	12	NR	6.1 J	NR	16	NR
Dibromochloromethane	1.7 U	1.7 U	NR	14 U	NR	3.4 U	NR
Dichlorodifluoromethane	2.1 J	84	NR	7.4 J	NR	2.2 J	NR
Ethylbenzene	0.87 U	6.5	NR	3.4 J	NR	2.8	NR
Hexachlorobutadiene	2.1 U	2.1 U	NR	17 U	NR	4.3 U	NR
Isopropanol	6.2 J	15	NR	98 U	NR	9.3 J	NR
Isopropylbenzene (Cumene)	0.98 U	3.2	NR	63	NR	0.76 J	NR
M,P-Xylenes	2.2 U	23	NR	6 J	NR	12	NR
Methyl Ethyl Ketone (2-Butanone)	1.5 U	37	NR	12 U	NR	13	NR
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2 U	17	NR	16 U	NR	4.1 U	NR
Methyl Methacrylate	2 U	2 U	NR	16 U	NR	4.1 U	NR
Methylene Chloride	1.1 BJ	2.3 B	NR	7.3 J	NR	3.5	NR
Naphthalene	2.6 U	2.6 U	NR	21 U	NR	5.2 U	NR
N-Butylbenzene	1.1 U	1.4	NR	8.8 U	NR	1.3 J	NR
N-Heptane	0.82 U	23	NR	4.7 J	NR	1.5 J	NR
N-Hexane	0.59 J	31	NR	14	NR	9	NR
N-Propylbenzene	0.98 U	2.9	NR	7.9 U	NR	1.4 J	NR
O-Xylene (1,2-Dimethylbenzene)	0.87 U	12	NR	2 J	NR	4.9	NR
Sec-Butylbenzene	1.1 U	1.1	NR	8.8 U	NR	2.2 U	NR
Styrene	0.85 U	0.85 U	NR	6.8 U	NR	0.61 J	NR
T-Butylbenzene	1.1 U	1.1 U	NR	8.8 U	NR	2.2 U	NR
Tert-Butyl Alcohol	15 U	7.6 J	NR	120 U	NR	9.3 J	NR
Tert-Butyl Methyl Ether	0.72 U	0.72 U	NR	5.8 U	NR	1.4 U	NR
Tetrachloroethylene (PCE)	0.28 J	160	NR	34	NR	32	NR
Tetrahydrofuran	15 U	15 U	NR	120 U	NR	29 U	NR
Toluene	0.75 U	23	NR	11	NR	7.7	NR
Trans-1,2-Dichloroethene	0.79 U	0.79 U	NR	6.3 U	NR	1.6 U	NR
Trans-1,3-Dichloropropene	0.91 U	0.91 U	NR	7.3 U	NR	1.8 U	NR
Trichloroethylene (TCE)	0.39	1.1	NR	1.6	NR	0.4 U	NR
Trichlorofluoromethane	0.43 J	86	NR	120	NR	1.2 J	NR
Vinyl Bromide	0.87 U	0.87 U	NR	7 U	NR	1.7 U	NR
Vinyl Chloride	0.2 U	0.2 U	NR	5.9	NR	0.4 U	NR

Table 15
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Vapor Analytical Results of VOCs

AKRF Sample ID	RI-SV-05_20230801	RI-SV-05_20230801	RI-SV-06_20230802	RI-SV-06_20230802	RI-SV-08_20230801	RI-SV-08_20230801
Laboratory Sample ID	200-69358-3	200-69358-3	200-69389-3	200-69389-3	200-69358-2	200-69358-2
Date Sampled	8/01/2023	8/01/2023	8/02/2023	8/02/2023	8/01/2023	8/01/2023
Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Dilution Factor	1	20	5	25	1	8
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.82 J	NR	2.2 J	NR	6.8	NR
1,1,2,2-Tetrachloroethane	1.4 U	NR	6.9 U	NR	1.4 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.57 J	NR	7.7 U	NR	0.47 J	NR
1,1,2-Trichloroethane	1.1 U	NR	5.5 U	NR	1.1 U	NR
1,1-Dichloroethane	0.81 U	NR	4 U	NR	0.81 U	NR
1,1-Dichloroethene	0.2 U	NR	1 U	NR	0.2 U	NR
1,2,4-Trichlorobenzene	3.7 U	NR	19 U	NR	3.7 U	NR
1,2,4-Trimethylbenzene	24	NR	11	NR	18	NR
1,2-Dibromoethane (Ethylene Dibromide)	1.5 U	NR	7.7 U	NR	1.5 U	NR
1,2-Dichlorobenzene	1.2 U	NR	6 U	NR	1.2 U	NR
1,2-Dichloroethane	0.81 U	NR	4 U	NR	0.81 U	NR
1,2-Dichloropropane	0.92 U	NR	4.6 U	NR	0.92 U	NR
1,2-Dichlorotetrafluoroethane	1.4 U	NR	7 U	NR	1.4 U	NR
1,3,5-Trimethylbenzene (Mesitylene)	9.7	NR	2.8 J	NR	8.2	NR
1,3-Butadiene	1.3	NR	2.2 U	NR	0.16 J	NR
1,3-Dichlorobenzene	36	NR	29	NR	13	NR
1,4-Dichlorobenzene	1.2 U	NR	6 U	NR	1.2 U	NR
2,2,4-Trimethylpentane	11	NR	1.1 J	NR	1.1	NR
2-Chlorotoluene	1 U	NR	5.2 U	NR	1 U	NR
2-Hexanone	4.7	NR	10 U	NR	3.5	NR
4-Ethyltoluene	6.7	NR	1.9 J	NR	3.3	NR
Acetone	NR	1,100 D	NR	1,300 D	NR	320 D
Allyl Chloride (3-Chloropropene)	1.6 U	NR	7.8 U	NR	1.6 U	NR
Benzene	8.5	NR	4.2	NR	4.2	NR
Benzyl Chloride	1 U	NR	5.2 U	NR	1 U	NR
Bromodichloromethane	1.3 U	NR	6.7 U	NR	1.3 U	NR
Bromoform	2.1 U	NR	10 U	NR	2.1 U	NR
Bromomethane	0.78 U	NR	3.9 U	NR	0.78 U	NR
Butane	NR	460 D	4.7 J	NR	7.6	NR
Carbon Disulfide	6.7	NR	2.9 J	NR	3.4	NR
Carbon Tetrachloride	0.19 J	NR	1.1 U	NR	0.2 J	NR
Chlorobenzene	0.68 J	NR	4.6 U	NR	0.29 J	NR
Chlorodifluoromethane	1.8 U	NR	8.8 U	NR	0.84 BJ	NR
Chloroethane	0.48 J	NR	6.6 U	NR	1.3 U	NR
Chloroform	32	NR	9.4	NR	0.74 J	NR
Chloromethane	1 U	NR	5.2 U	NR	1 U	NR
Cis-1,2-Dichloroethylene	0.2 U	NR	1 U	NR	0.2 U	NR
Cis-1,3-Dichloropropene	0.91 U	NR	4.5 U	NR	0.91 U	NR
Cyclohexane	11	NR	1.2 J	NR	1	NR
Cymene	18	NR	18	NR	13	NR
Dibromochloromethane	1.7 U	NR	8.5 U	NR	1.7 U	NR
Dichlorodifluoromethane	2.6	NR	3.7 J	NR	NR	840 D
Ethylbenzene	19	NR	2.5 J	NR	10	NR
Hexachlorobutadiene	2.1 U	NR	11 U	NR	2.1 U	NR
Isopropanol	15	NR	61 U	NR	12	NR
Isopropylbenzene (Cumene)	6.8	NR	2.6 J	NR	2.1	NR
M,P-Xylenes	58	NR	9.7 J	NR	42	NR
Methyl Ethyl Ketone (2-Butanone)	28	NR	18	NR	13	NR
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	22	NR	3.8 J	NR	15	NR
Methyl Methacrylate	2 U	NR	10 U	NR	2 U	NR
Methylene Chloride	1.7 U	NR	3.7 J	NR	1.2 BJ	NR
Naphthalene	8.2	NR	13 U	NR	3.7	NR
N-Butylbenzene	2.6	NR	5.5 U	NR	2	NR
N-Heptane	120	NR	3.7 J	NR	5.4	NR
N-Hexane	NR	240 D	6.8 J	NR	3.8	NR
N-Propylbenzene	6.2	NR	1.6 J	NR	3	NR
O-Xylene (1,2-Dimethylbenzene)	30	NR	4.4	NR	16	NR
Sec-Butylbenzene	2.5	NR	5.5 U	NR	1.2	NR
Styrene	0.85 U	NR	4.3 U	NR	1.9	NR
T-Butylbenzene	1.1 U	NR	5.5 U	NR	1.1 U	NR
Tert-Butyl Alcohol	20	NR	76 U	NR	22	NR
Tert-Butyl Methyl Ether	0.72 U	NR	4.5	NR	0.72 U	NR
Tetrachloroethylene (PCE)	NR	330 D	63	NR	100	NR
Tetrahydrofuran	15 U	NR	74 U	NR	15 U	NR
Toluene	43	NR	13	NR	16	NR
Trans-1,2-Dichloroethene	0.79 U	NR	4 U	NR	0.79 U	NR
Trans-1,3-Dichloropropene	0.91 U	NR	4.5 U	NR	0.91 U	NR
Trichloroethylene (TCE)	5.2	NR	1.2	NR	1.4	NR
Trichlorofluoromethane	7.3	NR	42	NR	6.9	NR
Vinyl Bromide	0.87 U	NR	4.4 U	NR	0.87 U	NR
Vinyl Chloride	0.2 U	NR	1 U	NR	0.2 U	NR

Tables 1-15
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Notes

DEFINITIONS

B : The analyte was found in an associated blank, as well as in the sample.

D : Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.

J : The concentration given is an estimated value.

ND : The standard is a non-detectable concentration by the approved analytical method.

NR : Not reported.

NS : No standard.

P : Indicates a pesticide/aroclor target analyte had a percent difference greater than 25% between the two gc columns. The lower of the two results is reported.

T : Indicates that a quality control parameter has exceeded laboratory limits.

U : The analyte was not detected at the indicated concentration.

mg/kg : milligrams per kilogram

ppb : parts per billion

ppt : parts per trillion

µg/kg : micrograms per kilogram

µg/L : micrograms per liter

ng/L : nanograms per liter

µg/m^3 : micrograms per cubic meter of air

STANDARDS

Part 375 Soil Cleanup Objectives : Soil Cleanup Objectives listed in New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations [6 New York Codes, Rules and Regulations (NYCRR) Part 375].

Note: Endosulfans ABS represents the detected sum of Endosulfan I, Endosulfan II, and Endosulfan Sulfate.

Exceedances of Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) are highlighted in bold font.
Exceedances of Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs) are highlighted in gray shading.
Exceedances of Part 375 Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) are highlighted with an underline.

EPA Hazardous Waste Criteria by TCLP : Protection of Environment. Chapter I - United States Environmental Protection Agency. Subchapter I - Solid Wastes. Part 261 - Identification And Listing Of Hazardous Waste.
Subpart C - Characteristics Of Hazardous Waste. § 261.24 (b)
Table 1—Maximum Concentration of Contaminants for the Toxicity Characteristic.

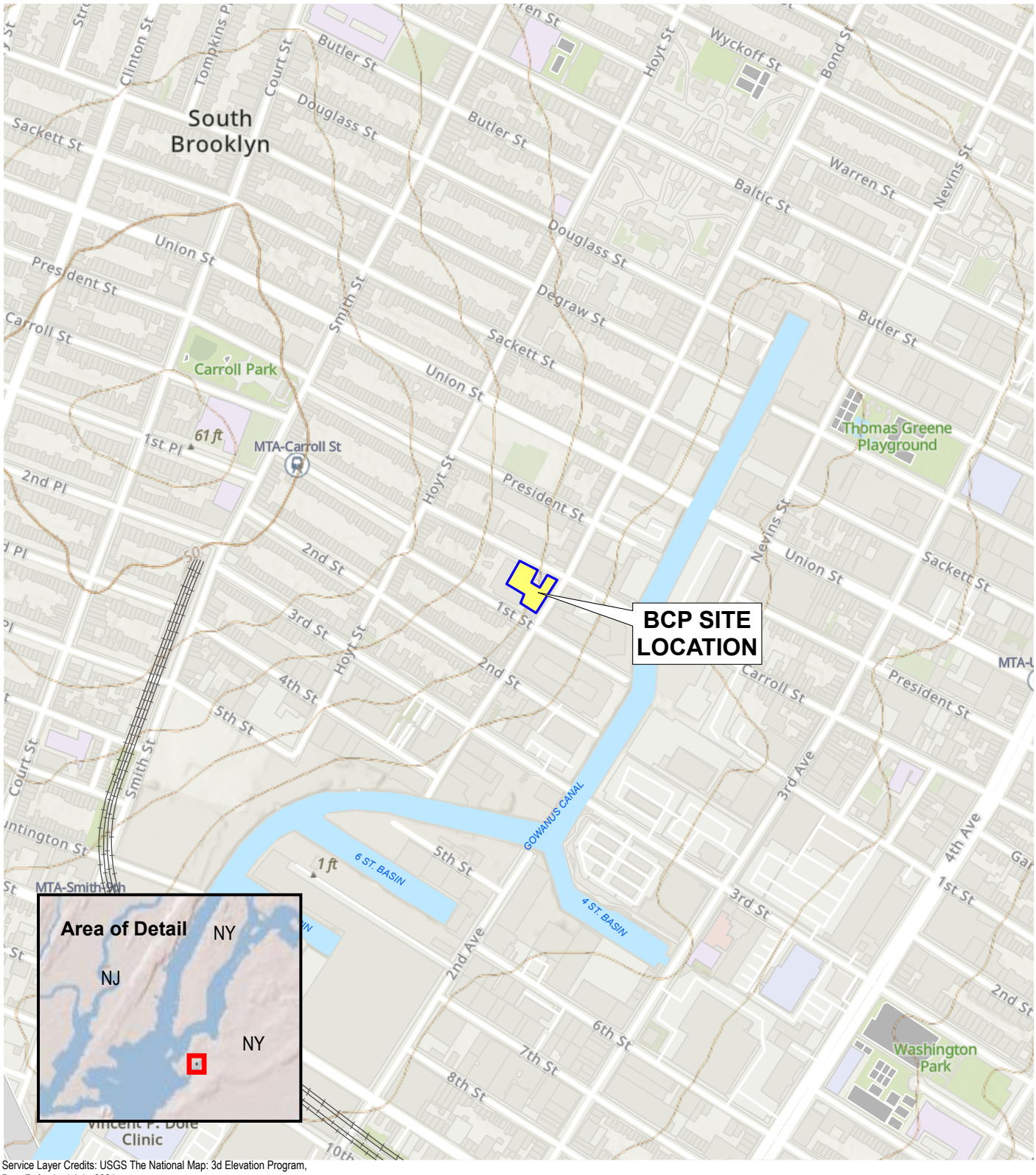
Exceedances of the EPA Hazardous Waste Criteria are highlighted in bold font.

NYSDEC Part 375 PFAS Guidance Values : New York State Department of Environmental Conservation (NYSDEC) Sampling, Analysis and Assessment Of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs Issued April 2023.

Exceedances of NYSDEC PFAS Unrestricted Use Guidance Values (UUGVs) are highlighted in bold font.
Exceedances of NYSDEC PFAS Restricted Residential Guidance Values (RRGVs) are highlighted in gray shading.
Exceedances of NYSDEC PFAS Protection of Groundwater Guidance Values (PGWGVs) are highlighted with an underline.

NYSDEC Class GA AWQSGVs : New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs).

Exceedances of NYSDEC Class GA AWQSGVs are highlighted in bold font.



Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021

0 600 1,200

SCALE IN FEET

N

AKRF

440 Park Avenue South, New York, NY 10016

41 1st Street
Brooklyn, New York

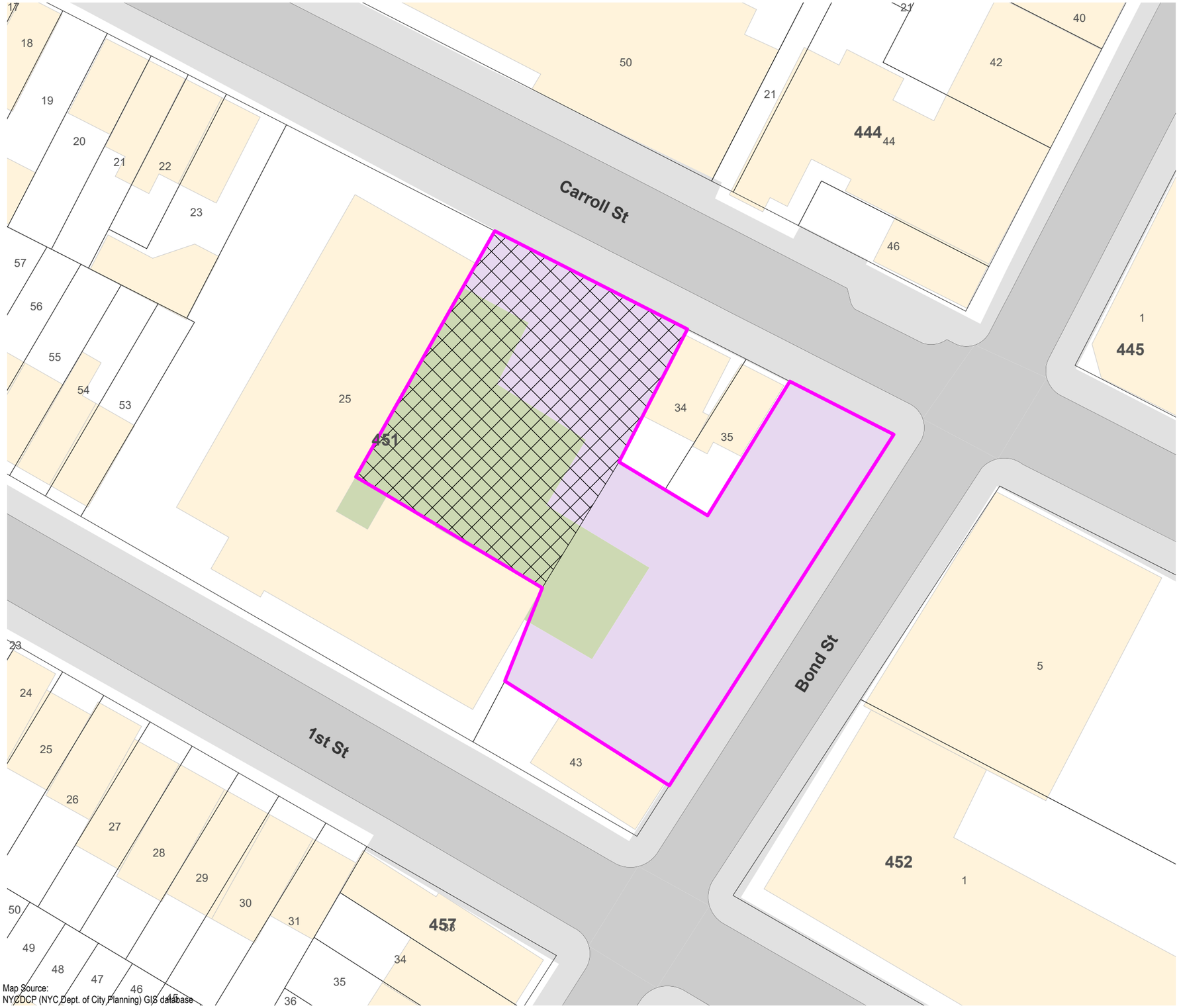
BCP SITE LOCATION

DATE
10/20/2023

PROJECT NO.
230346

FIGURE
1

AKRF O:\Projects\230346 - 41 FIRST ST, BROOKLYN\SAR\230346 BCP App Figures.aprx10/13/2023 4:01 PM230346 Fig 1 site locationjszalus



N

LEGEND

- PROJECT SITE BOUNDARY
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 444 — BLOCK NUMBER
- EXISTING BUILDING
- EXISTING ASPHALT PAVED PARKING
- EXISTING LANDSCAPED AREA
- HISTORIC MANUFACTURING AREA (VARIOUS MANUFACTURING PROCESSES INCLUDING TOBACCO, METAL PACKAGING, BOX AND PAPER PRODUCTS, AND A BAKING COMPANY)

0 20 40 80

SCALE IN FEET

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

AKRF
440 Park Avenue South, New York, NY 10016

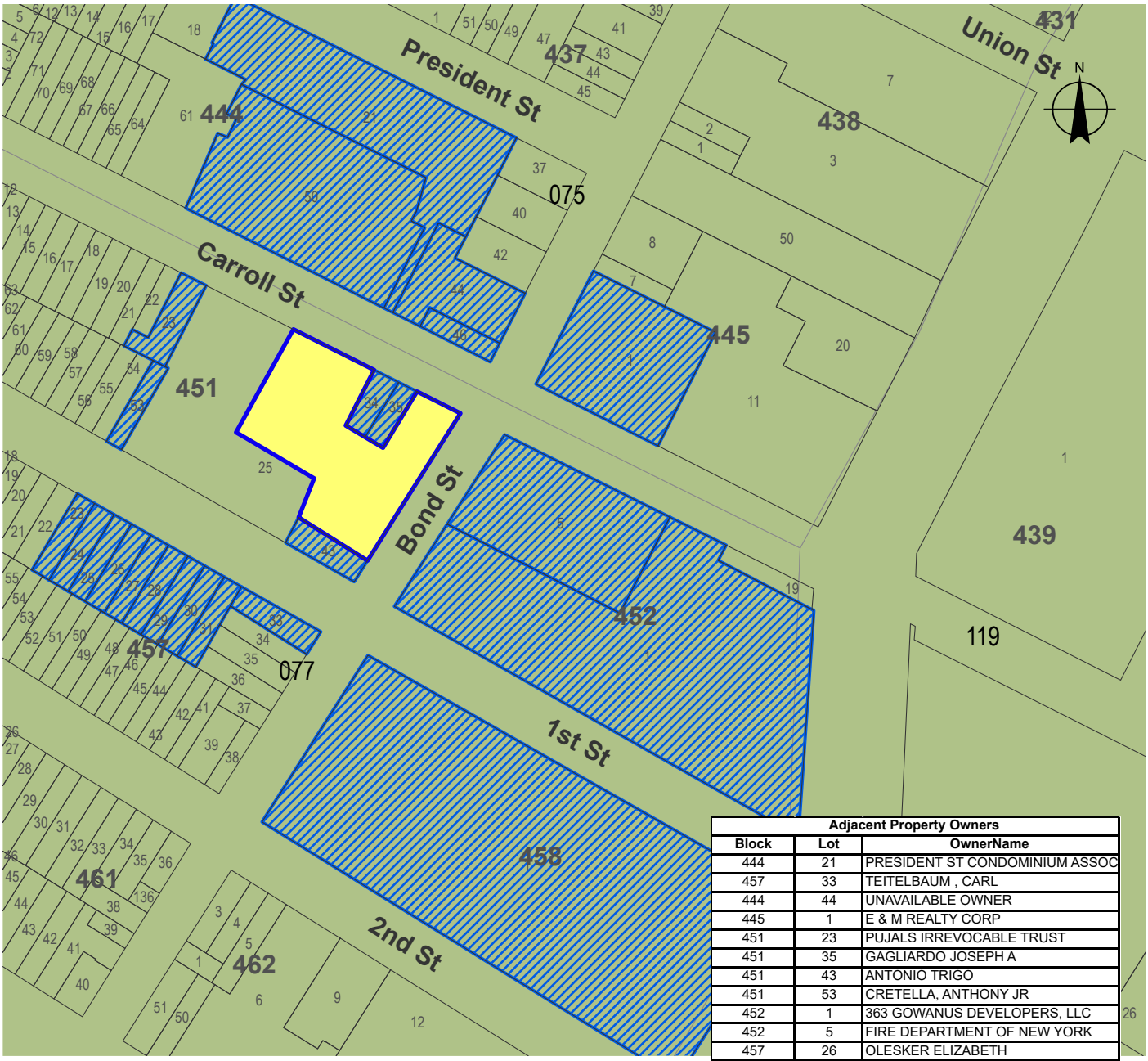
41 1st Street
Brooklyn, New York

SITE PLAN

DATE
10/20/2023

PROJECT NO.
230346

FIGURE
2



Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

LEGEND

- PROJECT SITE BOUNDARY
- 5 — LOT BOUNDARY AND TAX LOT NUMBER
- 458 — BLOCK NUMBER
- ADJACENT PROPERTY
- DESIGNATED AS A DRAFT DAC (DISADVANTAGED COMMUNITIES MAP)
- NOT DESIGNATED AS A DRAFT DAC (DISADVANTAGED COMMUNITIES MAP)

Adjacent Property Owners

Block	Lot	OwnerName
444	21	PRESIDENT ST CONDOMINIUM ASSOC
457	33	TEITELBAUM , CARL
444	44	UNAVAILABLE OWNER
445	1	E & M REALTY CORP
451	23	PUJALS IRREVOCABLE TRUST
451	35	GAGLIARDO JOSEPH A
451	43	ANTONIO TRIGO
451	53	CRETELLA, ANTHONY JR
452	1	363 GOWANUS DEVELOPERS, LLC
452	5	FIRE DEPARTMENT OF NEW YORK
457	26	OLESKER ELIZABETH
457	27	COHEN, WARREN
457	29	SINGER, STEFAN
444	46	CANAL CORNER LLC
444	50	UNAVAILABLE OWNER
451	34	RICHARD T BEAMAN
457	23	CRETELLA FLORENCE
457	24	JUSTIN BURKE
457	25	MONICA C BARRETT
457	28	REID VETO, EUGENE
457	30	BEAN, MATTHEW
457	31	SALVATORE MICHAEL
458	1	LSG 365 BOND STREET LLC

0 150 300

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

41 1st Street
Brooklyn, New York

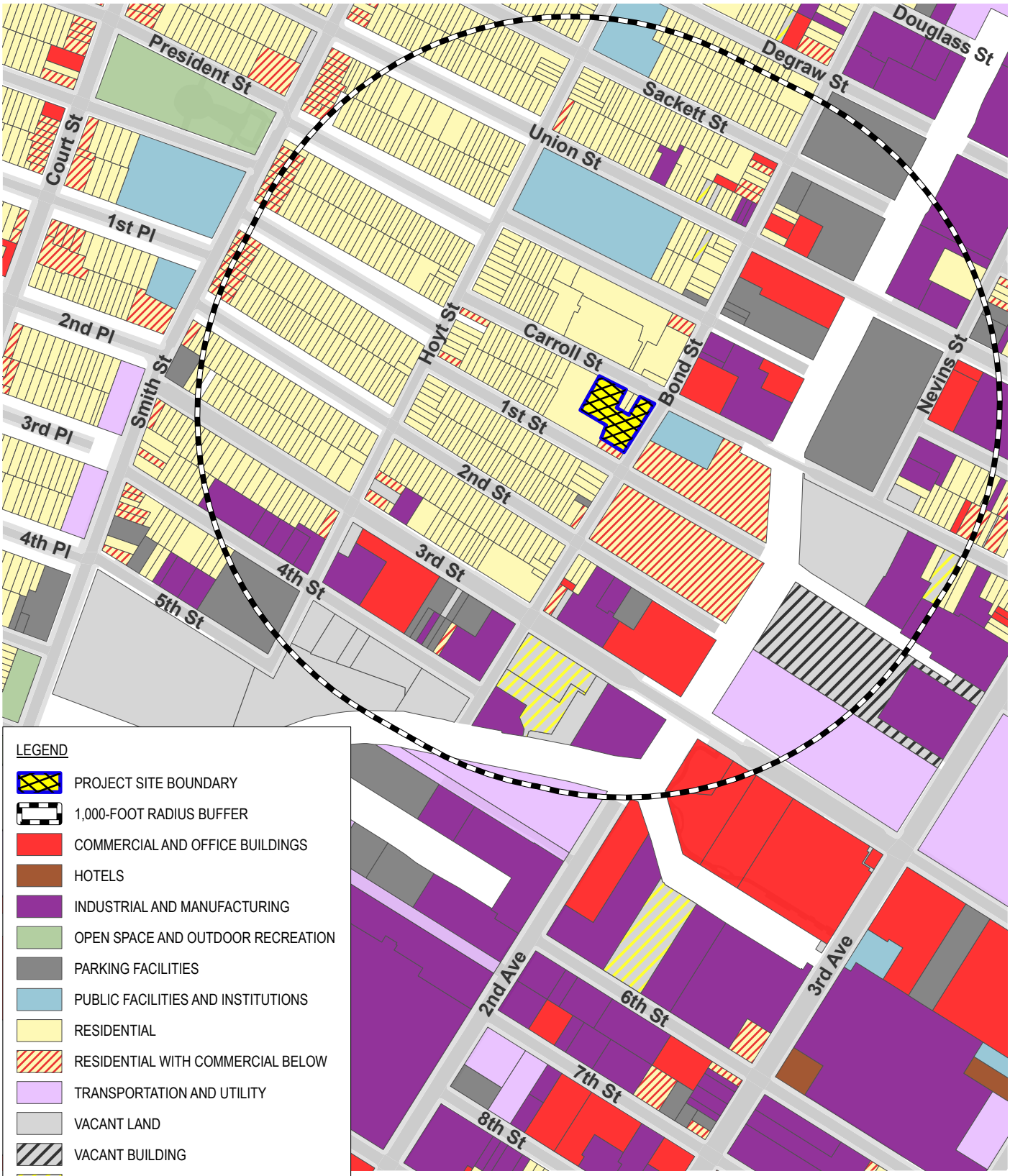
TAX MAP

DATE
10/20/2023

PROJECT NO.
230346

FIGURE
3

AKRF O:\Projects\230346 - 41 FIRST ST, BROOKLYN\SAR\230346 BCP App Figures.aprx1/19/2022 10:45 AM230346 Fig 3 Tax Map & Surrounding Propertyszalus



Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

AKRF O:\Projects\230346 - 41 FIRST ST, BROOKLYN\SAR\230346 BCP App Figures.aprx10/13/2023 3:56 PM230346 Fig 4 Surrounding Land Usejszalus

AKRF
440 Park Avenue South, New York, NY 10016

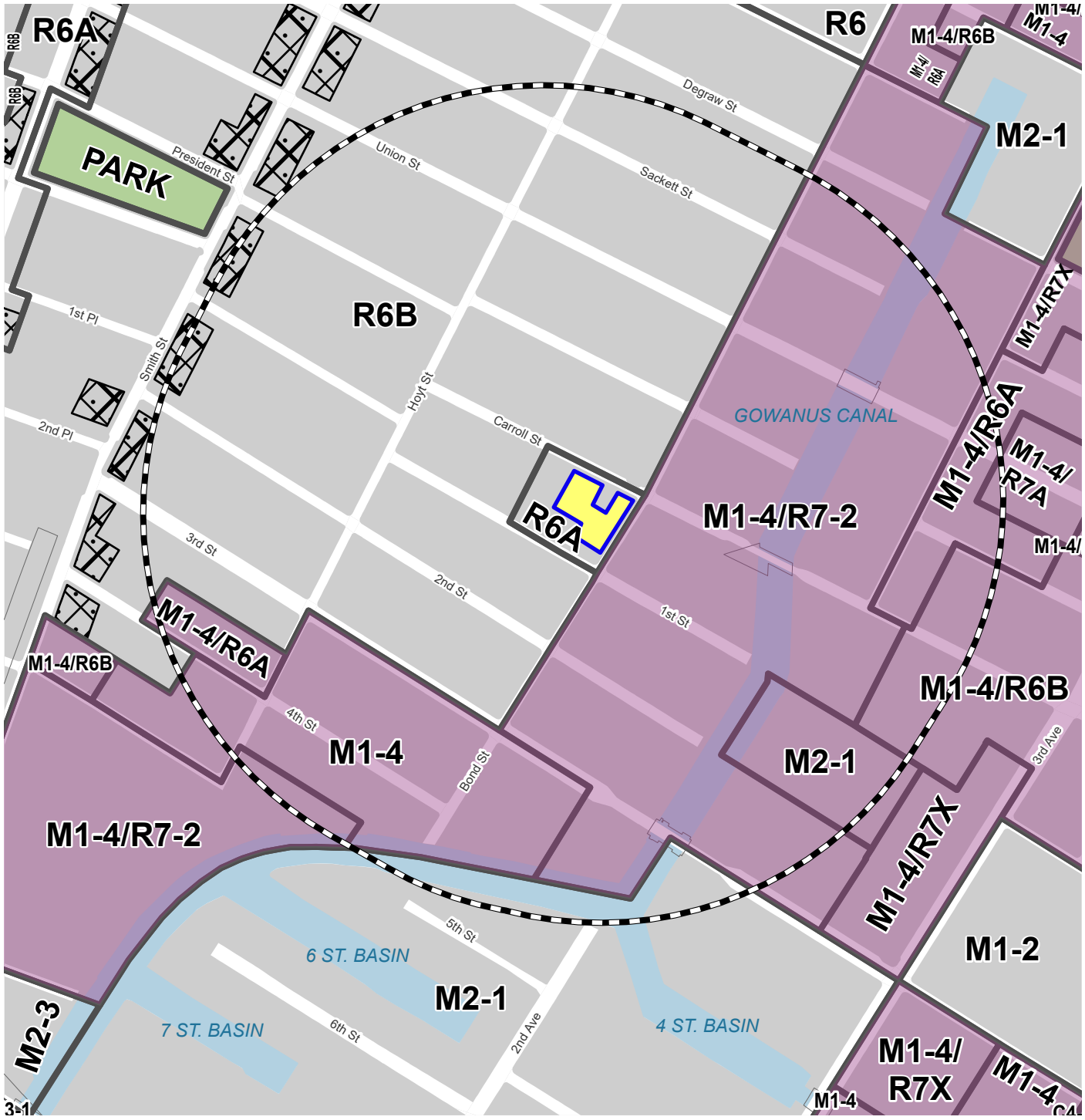
41 1st Street
Brooklyn, New York

SURROUNDING LAND USE

DATE
10/20/2023

PROJECT NO.
230346

FIGURE
4



LEGEND

- PROJECT SITE BOUNDARY
- 1,000 FT RADIUS BUFFER
- SPECIAL GOWANUS MIXED-USE DISTRICT
- SPECIAL MIXED USE DISTRICT (MX-11)
- ZONING DISTRICT BOUNDARY
- C2-4
- PARK BOUNDARY

0 400 800

SCALE IN FEET

N

AKRF

440 Park Avenue South, New York, NY 10016

41 1st Street
Brooklyn, New York

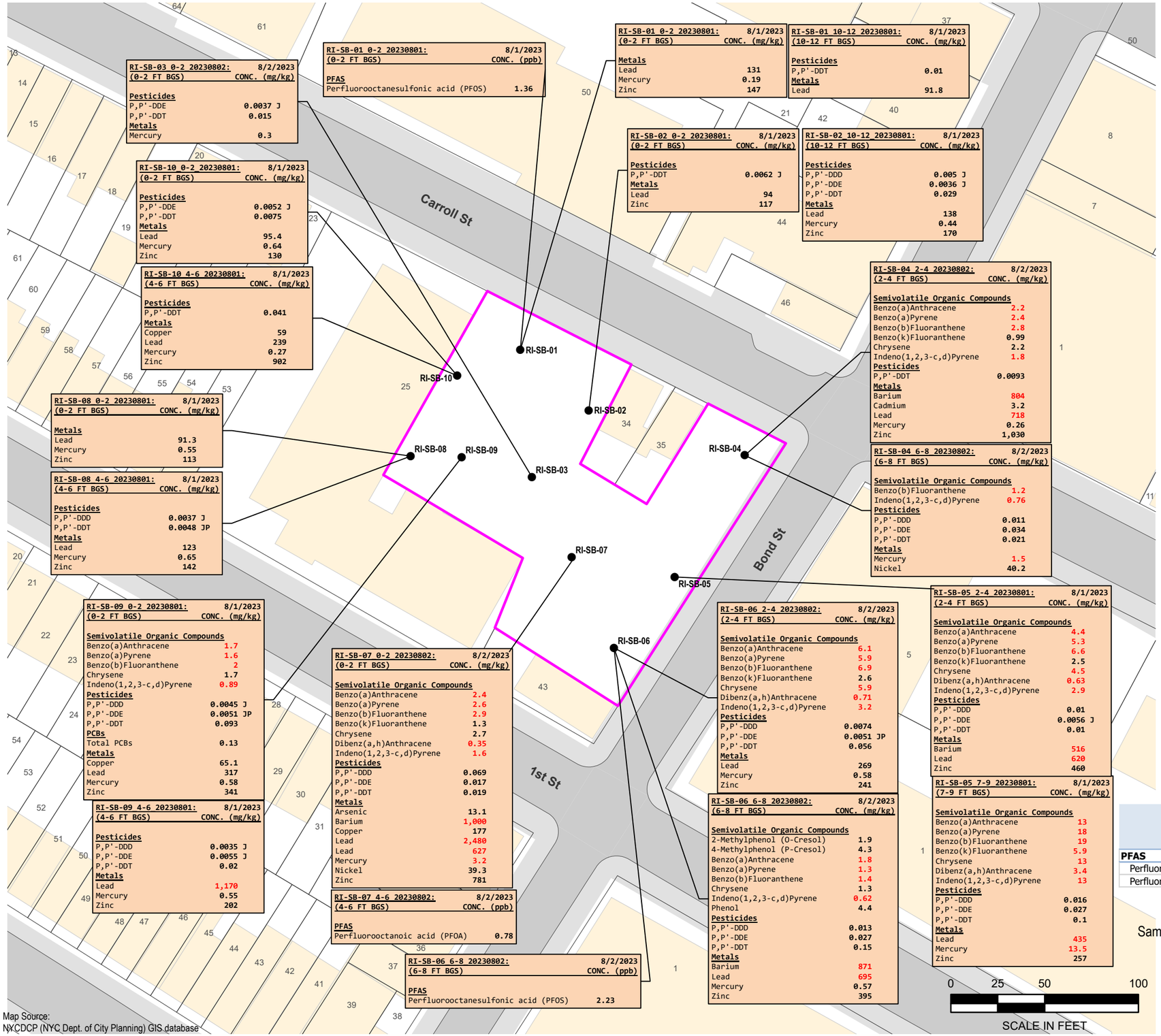
ZONING MAP

DATE
10/20/2023

PROJECT NO.
230346

FIGURE
5

AKRF O:\Projects\230346 - 41 FIRST ST, BROOKLYN\SAR\230346 BCP App Figures.aprx 10/13/2023 3:58 PM 230346 Fig 5 Zoning Mapjszalus



LEGEND

- PROJECT SITE BOUNDARY
- 20 LOT BOUNDARY AND TAX LOT NUMBER
- 2389 BLOCK NUMBER
- EXISTING BUILDING
- SOIL BORING LOCATION

Part 375 Soil Cleanup Objectives (SCOs): SCOs listed in the New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) are presented in bold font.

Exceedances of NYSDEC Restricted Residential Soil Cleanup Objectives (RRSCOs) are presented in red.

mg/kg:milligrams per kilogram = parts per million (ppm)
J: The concentration given is an estimated value.
P: Indicates a pesticide/aroclor target analyte had a percent difference greater than 25% between the two gc columns. The lower of the two results is reported.

	PART 375 RESTRICTED RESIDENTIAL mg/kg	PART 375 UNRESTRICTED mg/kg
Semivolatile Organic Compounds		
2-Methylphenol (O-Cresol)	100	0.33
4-Methylphenol (P-Cresol)	100	0.33
Benzo(a)Anthracene	1	1
Benzo(a)Pyrene	1	1
Benzo(b)Fluoranthene	1	1
Benzo(k)Fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenz(a,h)Anthracene	0.33	0.33
Indeno(1,2,3-c,d)Pyrene	0.5	0.5
Phenol	100	0.33
Metals		
Arsenic	16	13
Barium	400	350
Cadmium	4.3	2.5
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Nickel	310	30
Zinc	10,000	109
PCBs		
Total PCBs	1	0.1
Pesticides		
P,P'-DDD	13	0.0033
P,P'-DDE	8.9	0.0033
P,P'-DDT	7.9	0.0033

	NYSDEC PFAS GUIDANCE VALUES_UUSCOs ppb	NYSDEC PFAS GUIDANCE VALUES RRSCOs ppb
PFAS		
Perfluorooctanesulfonic acid (PFOS)	0.88	44
Perfluorooctanoic acid (PFOA)	0.66	33

Sample ID — Sample Date

RI-SB-01 0-2 20230801: 8/1/2023
(0-2 FT BGS) CONC. (mg/kg)
Metals
Lead 131
Mercury 0.19

Analyte/Compound — Concentration

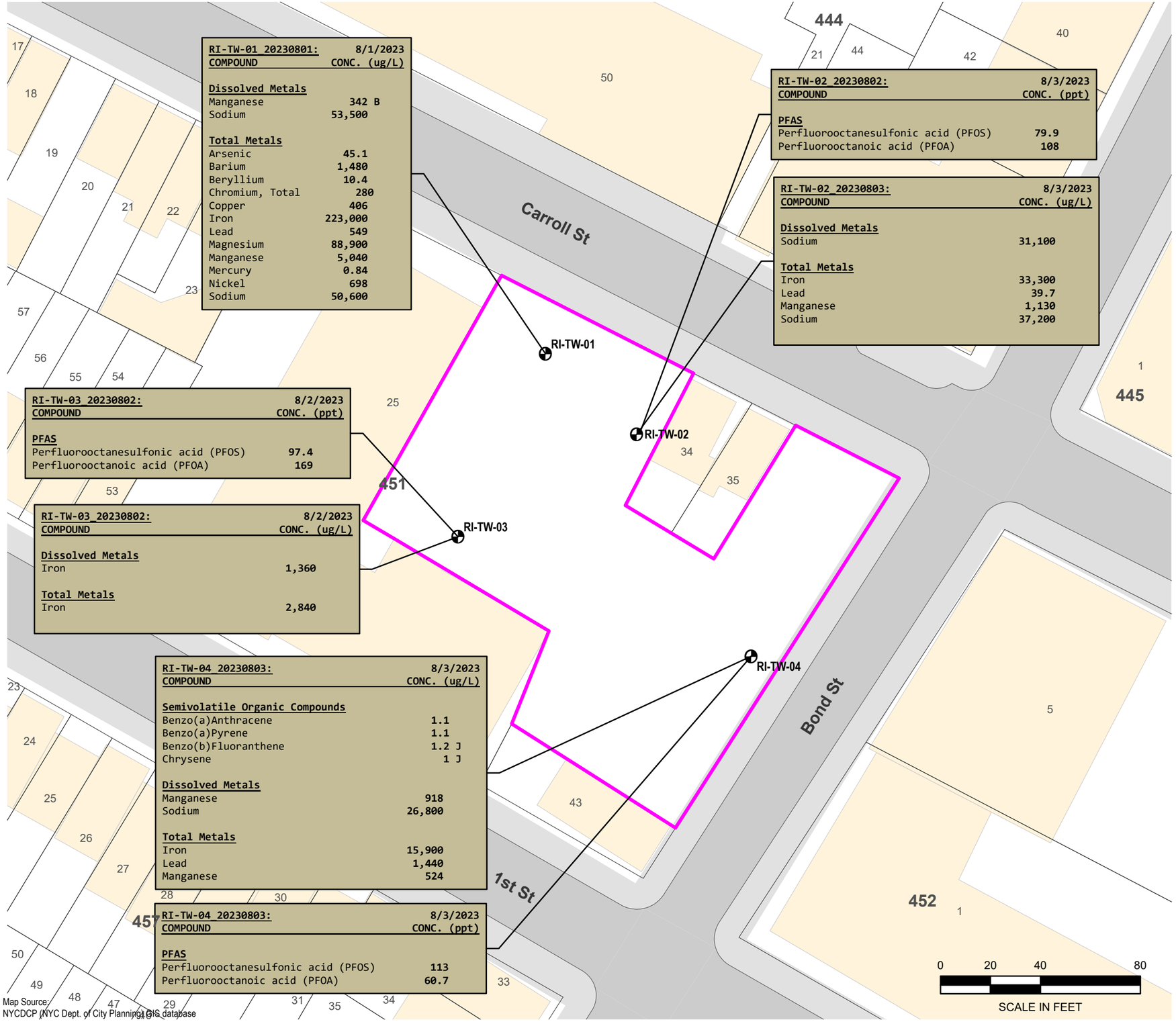
AKRF
440 Park Avenue South, New York, NY 10016

41 1st Street
Brooklyn, New York

Soil Sample Concentrations Above NYSDEC UUSCOs and/or RRSCOs

DATE 10/20/2023
PROJECT NO. 230346
FIGURE 6

AKRF O:\Projects\230346 - 41 FIRST ST, BROOKLYN\SAR\230346 BCP App Figures.aprx 10/20/2023 1:21 PM230346 Fig 6 Soil Sample Concentrations Above NYSDEC UUSCOs and_or RRSCOs jszalus



LEGEND

- PROJECT SITE BOUNDARY
- 20 LOT BOUNDARY AND TAX LOT NUMBER
- 2389 BLOCK NUMBER
- EXISTING BUILDING
- TEMPORARY WELL

N

NYSDEC TOGS Class GA Ambient Water Quality Standard and Guidance Values (AWQSGVs) and/or Screening Levels:

New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) (1.1.1): April 2023

µg/L: micrograms per Liter = parts per billion (ppb)
ng/L : nanograms per Liter = parts per trillion (ppt)

Only Exceedances of NYSDEC AWQSGVs are shown in bold font.

PFAS: Per- and polyfluoroalkyl substances
PFOA: Perfluorooctanoic acid
PFOS: Perfluorooctanesulfonic acid

B: Indicates the analyte is detected in the associated blank as well as in the sample.
J: The reported value is estimated.

	NYSDEC AWQSGVs µg/l
Semivolatile Organic Compounds	
Benzo(a)Anthracene	0.002
Benzo(a)Pyrene	0
Benzo(b)Fluoranthene	0.002
Chrysene	0.002
Metals	
Arsenic	25
Barium	1,000
Beryllium	3
Chromium, Total	50
Copper	200
Iron	300
Lead	25
Magnesium	35,000
Manganese	300
Mercury	0.7
Nickel	100
Sodium	20,000

	PFAS Screening Levels Groundwater ppt
PFAS	
Perfluorooctanesulfonic acid (PFOS)	2.7
Perfluorooctanoic acid (PFOA)	6.7

Sample ID — Sample Date

RI-TW-04_20230803: 8/3/2023
COMPOUND CONC. (ppt)
PFAS
Perfluorooctanesulfonic acid (PFOS) 113
Perfluorooctanoic acid (PFOA) 60.7

Analyte/Compound — Concentration

AKRF
440 Park Avenue South, New York, NY 10016

41 1st Street
Brooklyn, New York

Groundwater Sample Concentrations above NYSDEC AWQSGVs and PFAS Guidance Values

DATE
10/20/2023
PROJECT NO.
230346
FIGURE
7

AKRF O:\Projects\230346 - 41 FIRST ST, BROOKLYN\SAR\230346 BCP App Figures.aprx 10/20/2023 10:53 AM 230346 Fig 7 Groundwater Sample Concentrations Above AWQSGVs and PFAS Values jszalus

RI-AA-01 20230801: — 8/1/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
Butane	0.55 J
Chlorodifluoromethane	1.6 BJ
Chloromethane	1.2
Dichlorodifluoromethane	2.1 J
Isopropanol	6.2 J
Methylene Chloride	1.1 BJ
N-Hexane	0.59 J
Tetrachloroethylene (PCE)	0.28 J
Trichloroethylene (TCE)	0.39
Trichlorofluoromethane	0.43 J

RI-SV-01 20230801: — 8/1/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	32
1,2,4-Trimethylbenzene	15
1,3-Butadiene	18
1,3-Dichlorobenzene	16
1,3,5-Trimethylbenzene (Mesitylene)	4.7
2-Hexanone	1.8 J
2,2,4-Trimethylpentane	3.7
4-Ethyltoluene	3.6
Acetone	220 D
Benzene	14
Butane	84
Carbon Disulfide	36
Carbon Tetrachloride	0.32
Chlorobenzene	0.31 J
Chlorodifluoromethane	1.3 BJ
Chloroethane	0.67 J
Chloroform	0.86 J
Chloromethane	0.91 J
Cyclohexane	22
Cymene	12
Dichlorodifluoromethane	84
Ethylbenzene	6.5
Isopropanol	15
Isopropylbenzene (Cumene)	3.2
M,P-Xylenes	23
Methyl Ethyl Ketone (2-Butanone)	37
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	17
Methylene Chloride	2.3 B
N-Butylbenzene	1.4
N-Heptane	23
N-Hexane	31
N-Propylbenzene	2.9
O-Xylene (1,2-Dimethylbenzene)	12
Sec-Butylbenzene	1.1
Tert-Butyl Alcohol	7.6 J
Tetrachloroethylene (PCE)	160
Toluene	23
Trichloroethylene (TCE)	1.1
Trichlorofluoromethane	86

RI-SV-03 20230802: — 8/2/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,2-Dichloroethane	58
1,2-Dichloropropane	940
1,2,4-Trimethylbenzene	4.5 J
1,3-Butadiene	5.6
1,3-Dichlorobenzene	8.8 J
1,3,5-Trimethylbenzene (Mesitylene)	1.9 J
Acetone	37 J
Benzene	11
Butane	34
Carbon Disulfide	3.7 J
Carbon Tetrachloride	6,400 D
Chloroform	78
Cyclohexane	1.9 J
Cymene	6.1 J
Dichlorodifluoromethane	7.4 J
Ethylbenzene	3.4 J
Isopropylbenzene (Cumene)	63
M,P-Xylenes	6 J
Methylene Chloride	7.3 J
N-Heptane	4.7 J
N-Hexane	14
O-Xylene (1,2-Dimethylbenzene)	2 J
Tetrachloroethylene (PCE)	34
Toluene	11
Trichloroethylene (TCE)	1.6
Trichlorofluoromethane	120
Vinyl Chloride	5.9

RI-SV-04 20230802: — 8/2/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	0.49 J
1,2,4-Trimethylbenzene	11
1,3-Dichlorobenzene	35
1,3,5-Trimethylbenzene (Mesitylene)	2.2
2,2,4-Trimethylpentane	0.43 J
4-Ethyltoluene	2
Acetone	500 D
Benzene	1.5
Butane	2.6
Carbon Disulfide	3.2
Carbon Tetrachloride	0.35 J
Chlorobenzene	0.48 J
Chlorodifluoromethane	0.96 J
Chloroform	3.2
Chloromethane	0.71 J
Cyclohexane	0.66 J
Cymene	16
Dichlorodifluoromethane	2.2 J
Ethylbenzene	2.8
Isopropanol	9.3 J
Isopropylbenzene (Cumene)	0.76 J
M,P-Xylenes	12
Methyl Ethyl Ketone (2-Butanone)	13
Methylene Chloride	3.5
N-Butylbenzene	1.3 J
N-Heptane	1.5 J
N-Hexane	9
N-Propylbenzene	1.4 J
O-Xylene (1,2-Dimethylbenzene)	4.9
Styrene	0.61 J
Tert-Butyl Alcohol	9.3 J
Tetrachloroethylene (PCE)	32
Toluene	7.7
Trichlorofluoromethane	1.2 J

RI-SV-08 20230801: — 8/1/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	6.8
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.47 J
1,2,4-Trimethylbenzene	18
1,3-Butadiene	0.16 J
1,3-Dichlorobenzene	13
1,3,5-Trimethylbenzene (Mesitylene)	8.2
2-Hexanone	3.5
2,2,4-Trimethylpentane	1.1
4-Ethyltoluene	3.3
Acetone	320 D
Benzene	4.2
Butane	7.6
Carbon Disulfide	3.4
Carbon Tetrachloride	0.2 J
Chlorobenzene	0.29 J
Chlorodifluoromethane	0.84 BJ
Chloroform	0.74 J
Cyclohexane	1
Cymene	13
Dichlorodifluoromethane	840 D
Ethylbenzene	10
Isopropanol	12
Isopropylbenzene (Cumene)	2.1
M,P-Xylenes	42
Methyl Ethyl Ketone (2-Butanone)	13
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	15
Methylene Chloride	1.2 BJ
N-Butylbenzene	2
N-Heptane	5.4
N-Hexane	3.8
N-Propylbenzene	3
Naphthalene	3.7
O-Xylene (1,2-Dimethylbenzene)	16
Sec-Butylbenzene	1.2
Styrene	1.9
Tert-Butyl Alcohol	22
Tetrachloroethylene (PCE)	100
Toluene	16
Trichloroethylene (TCE)	1.4
Trichlorofluoromethane	6.9

RI-SV-05 20230801: — 8/1/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	0.82 J
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.57 J
1,2,4-Trimethylbenzene	24
1,3-Butadiene	1.3
1,3-Dichlorobenzene	36
1,3,5-Trimethylbenzene (Mesitylene)	9.7
2-Hexanone	4.7
2,2,4-Trimethylpentane	11
4-Ethyltoluene	6.7
Acetone	1,100 D
Benzene	8.5
Butane	460 D
Carbon Disulfide	6.7
Carbon Tetrachloride	0.19 J
Chlorobenzene	0.68 J
Chloroethane	0.48 J
Chloroform	32
Cyclohexane	11
Cymene	18
Dichlorodifluoromethane	2.6
Ethylbenzene	19
Isopropanol	15
Isopropylbenzene (Cumene)	6.8
M,P-Xylenes	58
Methyl Ethyl Ketone (2-Butanone)	28
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	22
N-Butylbenzene	2.6
N-Heptane	120
N-Hexane	240 D
N-Propylbenzene	6.2
Naphthalene	8.2
O-Xylene (1,2-Dimethylbenzene)	30
Sec-Butylbenzene	2.5
Tert-Butyl Alcohol	20
Tetrachloroethylene (PCE)	330 D
Toluene	43
Trichloroethylene (TCE)	5.2
Trichlorofluoromethane	7.3

RI-SV-06 20230802: — 8/2/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	2.2 J
1,2,4-Trimethylbenzene	11
1,3-Dichlorobenzene	29
1,3,5-Trimethylbenzene (Mesitylene)	2.8 J
2,2,4-Trimethylpentane	1.1 J
4-Ethyltoluene	1.9 J
Acetone	1,300 D
Benzene	4.2
Butane	4.7 J
Carbon Disulfide	2.9 J
Chloroform	9.4
Cyclohexane	1.2 J
Cymene	18
Dichlorodifluoromethane	3.7 J
Ethylbenzene	2.5 J
Isopropylbenzene (Cumene)	2.6 J
M,P-Xylenes	9.7 J
Methyl Ethyl Ketone (2-Butanone)	18
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	3.8 J
Methylene Chloride	3.7 J
N-Heptane	3.7 J
N-Hexane	6.8 J
N-Propylbenzene	1.6 J
O-Xylene (1,2-Dimethylbenzene)	4.4
Tert-Butyl Methyl Ether	4.5
Tetrachloroethylene (PCE)	63
Toluene	13
Trichloroethylene (TCE)	1.2
Trichlorofluoromethane	42

Sample ID: RI-SV-01 20230801 — Sample Date: 8/1/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	32
1,2,4-Trimethylbenzene	15
1,3-Butadiene	18
1,3-Dichlorobenzene	16

Concentration — Analyte/Compound

RI-SV-01 — RI-AA-01 — RI-SV-03 — RI-SV-04 — RI-SV-05 — RI-SV-06 — RI-SV-08

President St — Carroll St — Bond St — 1st St — 2nd St

0 35 70 140

SCALE IN FEET

LEGEND

- PROJECT SITE BOUNDARY
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 — BLOCK NUMBER
- BUILDING
- SOIL VAPOR POINT
- AMBIENT AIR SAMPLE LOCATION

SOIL VAPOR

µg/m³- micrograms per cubic meter

B: Indicates the analyte is detected in the associated blank as well as in the sample.
J: The reported value is estimated
D: Analyte concentration obtained from dilution.

Map Source: NYCDCP (NYC Dept of City Planning) GIS database

AKRF
440 Park Avenue South, New York, NY 10016

41 1st Street
Brooklyn, New York

SOIL VAPOR CONCENTRATIONS

DATE 10/20/2023
PROJECT NO. 230346
FIGURE 8

ATTACHMENT D

PREVIOUS REPORTS

ATTACHMENT E

DOCUMENT REPOSITORY LETTERS

AKRF, Inc.
Environmental, Planning, and Engineering Consultants
440 Park Avenue South, 7th
Floor New York, NY 10016
tel: (212) 696-0670
fax: (212) 213-3191
www.akrf.com

September 6, 2023

NYC Brooklyn Community Board 6

250 Baltic Street
Brooklyn, NY 11201

Re: Document Repository

41 First Street (Block 451, Portion of Lot 25)
Brooklyn, New York 11231

To Whom It May Concern:

AKRF, Inc. is submitting a New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Application on behalf of Catholic Charities Progress of Peoples Development Corporation (CCPOP) for the project site located at 41 First Street (Block 451, portion of Lot 25) in Brooklyn, NY. As required by the NYSDEC, the NYC Brooklyn Community Board 6 will be the repository to which all pertinent documents generated for this project will be sent. Please understand that these documents will have to be made available to the public when requested until the NYSDEC determines that these documents are no longer needed. Please signify your understanding and agreement by signing below and returning a copy of the signed letter via email to asharma@akrf.com. Please call me at 646-388-9865 with any questions. Thank you.

Preferred Method of Document Receipt:

☐ Hard Copies ☐ Electronic Copies ☐ CD

Sincerely,

AKRF, Inc.

Ashutosh Sharma
Senior Technical Director

ACKKNOWLEDGED AND ACCEPTED:

Name Title Mike Racioppo BKCB6 District Manager

Signature

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www.akrf.com

September 6, 2023

Brooklyn Public Library - Pacific Branch
25 Fourth Avenue
Brooklyn, NY 11217

Re: Document Repository
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Brooklyn, New York 11231

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Sincerely,
AKRF, Inc.

Ashutosh Sharma
Senior Technical Director

ACKKNOWLEDGED AND ACCEPTED:

Candace Vasquez	Branch Manager	
Name	Title	Signature