

PERIODIC REVIEW REPORT

Brooklyn Navy Yard

63 Flushing Avenue

Brooklyn, New York 11205

Site No. V00120

Prepared for:



Brooklyn Navy Yard Development Corporation

141 Flushing Avenue, Suite 801

Brooklyn, New York 11205

Prepared by:



CORE Environmental Consultants, Inc.

22-48 119th Street

College Point, New York 11356

December 30, 2021

PROFESSIONAL ENGINEER CERTIFICATION

For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional controls and/or engineering controls employed at this Site are unchanged from the date the control was put in place, or last approved by NYSDEC;
- Nothing has occurred that would impair the ability of the controls to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any Site management plan for this control;
- Access to the Site will continue to be provided to NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the Site is compliant with the environmental easement;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Elizabeth Tramosch, of CORE Environmental Consultants, Inc., 22-48 119th Street, College Point, New York, am certifying as Owner's/Remedial Party's Designated Site Representative for the Site.



12/30/2021

A handwritten signature in black ink that reads "Elizabeth Tramosch".

NYS Professional Engineer Number

Date

Signature

(Stamp)

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EXECUTIVE SUMMARY

This Periodic Review Report (PRR) was prepared by CORE Environmental Consultants, Inc. (CORE), on behalf of the Brooklyn Navy Yard Development Corporation (BNYDC) as a required element of the remedial program for the Brooklyn Navy Yard Industrial Park (BNYIP) located in Brooklyn, New York (hereinafter referred to as the “Site”). The BNYIP is subject to an environmental easement and a Site Management Plan (SMP). The purpose of the SMP is to incorporate Institutional Controls and Engineering Controls (ICs and ECs) to control exposure to remaining contamination on Site and to ensure protection of public health and environment.

Historic activities conducted at the BNYIP prior to management by the BNYDC have resulted in contamination of soil and groundwater at the site. These impacts result from historic fill (low level impacts occurring sporadically throughout the site) or for known release sites, including underground storage tanks, former transformer areas, drum storage areas, and electrical substations impacted with polychlorinated biphenyls (PCBs). After completion of remedial work associated with transformer substations, some impacts were left at this site, which is hereafter referred to as “remaining contamination”.

ICs and ECs have been incorporated into the Site remedy to control exposure of remaining contamination to ensure protection of public health and the environment. The Institutional Controls at the site include Ground Water Use Restriction, Land use Restriction, and a Soil Management Plan. The Engineering Controls at the site include a Cover System of a minimum of one foot of soil meeting the commercial use soil cleanup objectives (SCOs) as well as the remediation of former transformer substations.

The purpose of this PRR is to certify that: the property is being used solely for commercial or industrial uses (or other specified use, as detailed in the easement); that the site cover has been maintained in accordance with the SMP; that any transformer substations that have been taken out of service are in the process of being remediated, or have been remediated, as dictated by the environmental easement.

The current reporting period for this review is November 13, 2020 through December 30, 2021. During this period, there were thirteen (13) minor Cover System Disturbances where work was performed. Primary work conducted was sidewalk repairs involving concrete removal and replacement, as well as repairs to gas and water lines, and a catch basin repair. The Excavation Work Plan from Appendix E of the SMP was implemented whenever there was a Cover System Disturbance.

As part of the SMP Monitoring Plan, CORE completed an Annual Site Inspection on December 21, 2021. At the time of the inspection, all engineering controls (ECs) for the Site were determined to be in good, functioning condition. The cover system was found to be in good condition with no major

cracks or holes. All ICs and ECs at the Site are following the SMP. At this time, no further recommendations or changes are needed for the SMP.

The Site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems (SSDS) or air sparge/soil vapor extraction (AS/SVE) systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in the remedial activities.

1.0 SITE OVERVIEW

The Site is located at 63 Flushing Avenue in Brooklyn, Kings County, New York and is identified as Block 2023, Lot 1 by the New York City Department of Finance. The Site is an approximately 150-acre portion of the lot that is bound by the East River to the north, Flushing Avenue to the south, Kent Avenue to the east, and Navy Street and the New York City Department of Environmental Protection (NYCDEP) Red Hook Wastewater Treatment Plant (WWTP) to the west. A Site Location Map is presented on Figure 1 and a Site Map is presented on Figure 2.

1.1 SITE HISTORY

The BNY was founded in 1801 by an Act of Congress as the New York Naval Station for the purpose of building and repairing ships for the US Navy. The BNY rapidly grew to become one of the nation's most active and important centers of military industry. From its original 42-acre campus, the BNY expanded eastward over time until it reached its peak of activity during World War II, when over 70,000 people were employed at the BNY's 300-acre campus.

After World War II, activity at the BNY gradually declined until the Federal Government closed it in 1966 as part of a nationwide base-closing program. In 1968, the vast majority of the BNY (260 acres) was sold to the City of New York for \$24 million. Ownership of the remaining sections of the BNY, including Admiral's Row, was retained by various Federal agencies. The City-owned portion of the BNY was re-opened in 1971 as an industrial park under the management of a local development corporation that eventually became the BNYDC. Originally the BNY was home to two large maritime-industrial tenants. However, by the late 1980's both of these tenants had closed up shop, and the BNY began focusing on small industrial tenants.

Currently, the Site consists of 49 buildings, 9 open spaces, and 2 piers within the VCA parcel, and is currently leased to more than 400 small and midsized businesses. The Site is zoned M3-1 by the New York City Department of City Planning, indicating that it can be used for light and heavy manufacturing purposes. Site occupants are engaged in commercial and light manufacturing activities, such as clothing manufacturers, production and distribution of various goods, furniture refinishing, and printing.

The properties adjoining the Site, and in the neighborhood surrounding the Site, are zoned primarily for commercial and residential uses. The properties immediately south of the Site include primarily commercial and manufacturing properties such as self-storage, a door manufacturer, fruit and vegetable wholesaler, and various restaurants. The properties immediately east and west of the Site are primarily residential. The East River is immediately adjacent to the BNYIP on the northern parcel boundary.

BNYDC entered into a Voluntary Cleanup Agreement (VCA) on May 5, 1998 with NYSDEC to remediate the Site, which includes an approximately 150-acre portion of a parcel in Brooklyn, Kings County, New York. The Site and boundaries of the parcel subject to the SMP are presented on Figure 2. The boundaries of the Site are more fully described in the metes and bounds Site description that is part of the Environmental Easement which can be found in the SMP.

1.2 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

Since 1987, BNYDC, through planning for the redevelopment of specific parcels of property, has acquired numerous environmental Site assessments characterizing the Site. These environmental assessments and investigations are documented in the SMP. A Phase II Investigation Report was completed by Environmental Resources Management (ERM) in May 2002. The ERM investigation included the collection of sediment samples, installation of soil borings and collection of subsurface soil samples at former drum storage areas, surficial soil and concrete wipe samples for PCB analysis at current and former electrical transformer stations, and groundwater well installation and groundwater sample collection.

Previous remediation events include the remediation of Substation C (Building 542) between December 1998 and February 1999, remediation of Substation 9 (Building 128) in 2010, and remedial actions for the first-floor transformer room of Building 3 in 2018.

Several PCB-impacted oils and the associated transformers have been removed from the Site between 2005 and 2013 from the following buildings: Building 3, Building 22, Building 200, Substation 1 (Building 4), Substation 25 (Building 131), Substation D (Building 280), Substation 18 (Building 562), Substation K and Building 292, Substation L (Building 390), and Substation Q (Building 668).

Remedial work was not completed at certain locations within the Site before the termination of the VCA on June 30, 2018. Accordingly, the Environmental Easement, dated June 26, 2018, and the original SMP, and the Assignable Release and Covenant Not to Sue letter issued by the NYSDEC on July 12, 2018 to the BNYDC excluded the following parcels:

- 1) Substation H, a.k.a. Drum Storage C;
- 2) Building 77, a.k.a. Substation 22; and
- 3) BNY Tower Associates LLC, a.k.a. Dock 72, a.k.a. Substation 4; and
- 4) All six dry docks currently located on Site were removed from the VCA parcel boundaries due to their potential to be considered "lands under water." Piers D and G

were excepted due to their current state of disrepair and plans to remove, while Pier C was excepted as a result of active construction.

2.0 IC/EC PLAN COMPLIANCE REPORT

Institutional Controls and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure of remaining contamination to ensure protection of public health and the environment. An Environmental Easement granted to NYSDEC, and recorded with the New York City Register's Office, Kings Borough, requires compliance with the SMP prepared by CORE and all ECs and ICs placed on the Site.

2.1 ENGINEERING CONTROLS

Engineering controls (ECs) are operated to mitigate exposure risk related to residual impacts at the Site. Exposure to remaining contamination at the Site is prevented by a Site-wide cover, consisting of either structures such as buildings, pavement, and sidewalks, or soil, where the upper one foot of exposed surface soil meets the applicable SCOs for Commercial Use. Any fill material brought to the Site will meet the lower of the Commercial Use SCOs and the Protection of Groundwater SCOs as set forth in 6 NYCRR 375-6.7(d).

When Site redevelopment results in penetration of these areas, reconstruction will include a concrete or paving system at a minimum of 6 inches in thickness. Any vegetated areas not covered by buildings, roads, or parking lots (i.e. landscaped areas) will be covered by a 1-foot thick soil cover consisting of soil that meets NYSDEC SCOs for Commercial Use underlain by a demarcation layer to delineate the cover soil from the subsurface soil. The top 6 inches of soil must be of sufficient quality to support vegetation.

The Excavation Work Plan (EWP) provided in Appendix E of the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed, and any underlying residually impacted materials are disturbed. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP), provided in Appendix F of the SMP. All soil and groundwater sampling data will be submitted through NYSDEC EQUIS as an Electronic Data Deliverable (EDD) as per the SMP requirements. The area of the Site subject to Engineering Controls is presented on Figure 3.

2.1.1 Approved Fill Materials

The following materials have been previously approved by the NYSDEC to be used on site:

Table 1

Approved Fill Materials

Fill Material	Approved Source	Facility	Location
ASTM #57	NYS 10-12R, RFM	New York Sand & Stone	BNY Pier J

These materials will not require further approval by the NYSDEC and can be used as fill for all future cover system disturbances.

2.2 INSTITUTIONAL CONTROLS

The purpose of the Institutional Controls (ICs) is to implement, maintain, and monitor Engineering Control systems, prevent future exposure to remaining contamination, and limit the use and development of the Site to commercial or industrial uses only.

The Institutional Controls at the site include the following:

- The remedial party or Site owner must complete an annual periodic certification of institutional and engineering controls in accordance with Part 375-1.8(h)(3) and submit to the New York State Department of Environmental Conservation (NYSDEC);
- The property may be used for commercial use, which also permits industrial uses;
- All ECs must be maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in this SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by NYSDEC, the New York State Department of Health (NYSDOH), or the New York City Department of Health;
- Data and information pertinent to Site management must be reported annually, and in a manner as defined in this SMP;
- Prior to any non-emergency breach of the cover system, building construction, or any other activity that may increase the potential for people to come into contact with the remaining contamination at the Site, NYSDEC will be contacted, and the details of the situation relayed through a “Change of Use” notification;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
- Access to the Site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

- Vegetable gardens and farming, other than rooftop farming, on the Site are prohibited; and
- The future decommissioning of 16 transformer substations.

2.3 COVER SYSTEM

The Site-wide cover system consisting of buildings, pavement, sidewalks, millings, or exposed soil where the upper one foot meets Commercial Use SCOs is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in accordance with this SMP in perpetuity. The cover system functioned as required during the reporting period. The cover system was disturbed thirteen (13) times during the monitoring period. All the disturbances were minor.

2.3.1 Major Site-Wide Cover Disturbances

During the monitoring period there were no major site-wide cover disturbances.

2.3.2 Minor Site-Wide Cover Disturbances

During the monitoring period thirteen (13) Minor Site-Wide Cover disturbances took place. Minor Site-Wide Cover Disturbances require a 15-day Notification to be sent to the NYSDEC Project Manager prior to project kick-off. These Change of Use disturbances can be found in Appendix F.

2.3.2.1 Building 12B - Emergency Sewer Line Repair

A 15-day Minor Disturbance notification was submitted on February 3, 2021 for a minor disturbance of the cover system adjacent to Building 12B to repair a sewer line. The scope of the work included a 4' x 10' by 5' deep excavation along building exterior wall near 2nd Street and Morris Avenue. The purpose of the excavation was to repair a collapsed sanitary sewer line. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. CORE ensured excavated soil was suitable to be returned to the excavation outlined in the SMP. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on February 4, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Below is a summary table of the results of the PM-10 and VOC air monitoring:

Building 12B – Emergency Sewer Line Repair

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
February 4, 2021	8 ug/m ³	8 ug/m ³	0 ppm

2.3.2.2 Cumberland Gate – Water Line Repair

A 15-day Minor Disturbance notification was submitted on February 12, 2021 for a minor disturbance of the cover system near Cumberland Gate, Building 280, Building 27, and Building

128. The scope of the work included a 10' x 10' x 6' deep excavation to repair a leaking water line. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. CORE ensured excavated soil was suitable to be returned to the excavation outlined in the SMP. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on February 13, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Below is a summary table of the results of the PM-10 and VOC air monitoring:

Cumberland Gate – Water Line Repair

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
February 13, 2021	9.5 ug/m ³	13.8 ug/m ³	0 ppm

2.3.2.3 Berth 14A - Test Pits

A 15-day Minor Disturbance Notification was submitted on April 13, 2021 for test pits to be completed on Berth 14A. The scope of the work included the excavation of two (2) 5' x 5' test pits adjacent to the bulkhead in order to investigate pier stability and sinkholes that had recently developed on the pier. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. CORE ensured excavated soil was suitable to be returned to the excavation outlined in the SMP. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on April 19, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Below is a summary table of the results of the PM-10 and VOC air monitoring:

Berth 14A - Test Pits

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
April 19, 2021	30 ug/m ³	18 ug/m ³	0 ppm

2.3.2.4 Building 280 - Steam Leak

A 15-day Minor Disturbance Notification was submitted on April 22, 2021 for a steam line repair adjacent to Building 280. The scope of the work included a 4' x 4' by 4' deep excavation to access a leaking steam line. All excavated soil was returned to the excavation, and the cover system was restored after completion of the steam line repairs. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by

CORE personnel. CORE ensured excavated soil was suitable to be returned to the excavation outlined in the SMP. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on April 28, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E

Below is a summary table of the results of the PM-10 and VOC air monitoring:

Building 280- Steam Leak

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
April 28, 2021	48 ug/m ³	45 ug/m ³	0 ppm

2.3.2.5 Building 22 - Fence Post Installation

A 15-day Minor Disturbance Notification was filed on February 12, 2021 for a fence installation at Buildings 22 and 25. The work was performed in Warrington Avenue and the adjoining sidewalk adjacent to Building 25 (between Buildings 22 and 25) under the direct supervision of Langan field personnel between March 10, 2021 and March 11, 2021. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by Langan personnel. The completion report is included in Appendix E.

The scope of work included the following:

- Excavated 31 1.5-foot-diameter post holes to about 3 feet below grade surface;
- Installed fence posts and constructed a new fence;
- Completed waste characterization sampling of excess soil;
- Transportation and disposal of excess soil off-site; and
- Restoration of the cover system.

Langan provided a QEP and performed CAMP. Below is a summary table of the results of the PM-10 and VOC air monitoring:

Building 22 - Fence Post Installation

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
March 10, 2021	22 ug/m ³	30 ug/m ³	0 ppm
March 11, 2021	55 ug/m ³	30 ug/m ³	0 ppm

2.3.2.6 Building 127 - Water Line Excavation

A 15-day Minor Disturbance notification was submitted on June 5, 2021 for a minor disturbance of the cover system near Building 127. The scope of the work included an excavation to five feet to expose the new wet tap connection for Building 127 below 3rd and 4th Street. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. CORE ensured excavated soil was suitable to be returned to the excavation outlined in the SMP. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on June 28, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Below is a summary table of the results of the PM-10 and VOC air monitoring:

Building 127 – Water Line Excavation

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
June 28, 2021	22.7 ug/m ³	18.6 ug/m ³	0 ppm

2.3.2.7 Building 292 - Sidewalk Repair

A 15-day Minor Disturbance Notification was submitted on July 22, 2021 for a minor disturbance of the cover system near Building 292. The scope of the work included the removal and replacement of approximately 70 square feet of concrete sidewalk. Soil was not removed. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on August 11, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Below is a summary table of the results of the PM-10 and VOC air monitoring:

Building 292- Sidewalk Repair

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
August 11, 2021	58 ug/m ³	32 ug/m ³	0 ppm

2.3.2.8 Steiner Studios – Water Line Repair

A 15-day Minor Disturbance Notification was submitted on August 10, 2021 for a minor disturbance of the cover system near Steiner Studios. The scope of the work included an excavation to 4’ to access and repair a leaking water line. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. CORE ensured excavated soil was suitable to be returned to the excavation outlined in the SMP. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on August 12, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Below is a summary table of the results of the PM-10 and VOC air monitoring:

Steiner Studios

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
August 12, 2021	46 ug/m ³	23 ug/m ³	0 ppm

2.3.2.9 Building 127 - Test Pits

A 15-day Minor Disturbance Notification was submitted on September 16, 2021 for a minor disturbance of the cover system near Building 127. The scope of work included the completion of test pits for the restoration of a substation near Building 127. The work included demolition of the concrete sidewalk and installation of a test pit outside the northeast elevation of BNY Building 127. The test pit was hand excavated to be approximately four feet by four feet and extend to match the underside of the building footing being investigated. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. CORE ensured excavated soil was suitable to be returned to the excavation outlined in the SMP. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on September 23, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Below is a summary table of the results of the PM-10 and VOC air monitoring:

Building 127- Test Pits

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
September 23, 2021	42 ug/m ³	27 ug/m ³	0 ppm

2.3.2.10 Building 77 - Sidewalk Repair

A 15-day Minor Disturbance Notification was submitted on September 17, 2021 for a minor disturbance of the cover system near Building 77. The scope of the work included the removal and replacement of concrete sidewalk near the Building 77 parking lot. Soil was not excavated or removed. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on October 8, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Below is a summary table of the results of the PM-10 and VOC air monitoring:

Building 77- Sidewalk Repair

Date	Downwind PM-10	Upwind PM-10	VOC
	8hr TWA	8hr TWA	8hr TWA
October 8, 2021	48 ug/m ³	45 ug/m ³	0 ppm

2.3.2.11 National Grid- Emergency Gas Line Repair

A 15-day Minor Disturbance Notification was submitted on October 15, 2021 for a minor disturbance of the cover system near Building 22. National Grid performed an emergency excavation, approximately 3' x 3' x 4' deep, on 3rd Street to repair a gas line. All excavated soil was returned to the excavation. The cover system was restored after completion of the steam line repairs. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. CORE ensured excavated soil was suitable to be returned to the excavation outlined in the SMP. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on October 15, 16, and 18, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Below is a summary table of the results of the PM-10 and VOC air monitoring:

National Grid- Emergency Gas Line Repair

Date	Downwind PM-10	Upwind PM-10	VOC
	8hr TWA	8hr TWA	8hr TWA
October 15, 2021	21 ug/m ³	18 ug/m ³	0.3 ppm
October 16, 2021	16 ug/m ³	14 ug/m ³	0.3 ppm
October 18, 2021	9 ug/m ³	7 ug/m ³	0.3 ppm

2.3.8.12 Building 127 - Catch Basin Repair

A 15-day Minor Disturbance Notification was filed on October 14, 2021 for a minor disturbance of the cover system near Building 127. The scope of the work included a 5' x 10' x 10' deep excavation to repair a catch basin settling on an existing storm drain. All excavated soil was returned to the excavation. The cover system was restored after completion of the steam line repairs. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. CORE ensured excavated soil was suitable to be returned to the excavation outlined in the SMP. The cover was restored after intrusive work was completed per SMP requirements. All work was completed on October 25 & 27, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Below is a summary table of the results of the PM-10 and VOC air monitoring:

Building 77- Catch Basin Repair

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
October 25, 2021	23 ug/m ³	20 ug/m ³	0.24 ppm
October 27, 2021	4 ug/m ³	9 ug/m ³	0.1 ppm

2.3.8.13 Building 12 - Shut-off Valve Replacement

A 15-day Minor Disturbance Notification was submitted on November 20, 2021 for a minor disturbance of the cover near Building 12. National Grid performed an excavation, approximately 4' x 4' x 3' deep, at the corner of Chauncey Avenue and 2nd Street to locate and raise to grade a gas shutoff valve for Building 12. All work was performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring was conducted by CORE personnel. CORE ensured excavated soil was suitable to be returned to the excavation outlined in the SMP. All excavated soil was returned to the excavation. The cover system was restored after completion of the steam line repairs per SMP requirements. All work was completed on October 25 & 27, 2021. The NYSDEC notification is found in Appendix D, and the Daily Status Report and CAMP data in Appendix E.

Building 12 - Shut-off Valve Replacement

Date	Downwind PM-10 8hr TWA	Upwind PM-10 8hr TWA	VOC 8hr TWA
December 7, 2021	29 ug/m ³	9 ug/m ³	0.2 ppm

2.4 NON-COMPLIANCE AREAS

There were no non-compliance areas during this reporting period.

2.5 EXCEPTION AREAS

BNYDC was issued a Draft Administrative Order on Consent with the NYSDEC (Index No. R2-20190708-219) in November 2021, which requires that the Environmental Easement and the SMP be revised to include those previously-excluded parcels.

2.5.1 Building 297 Cover System Disturbance

Excavation began on June 6, 2018 and demobilization was completed on July 21, 2018. The objective of the remedial construction at the Substation H (Building 297)/Drum Storage Area C site was to meet the Site Cleanup Objectives (SCOs) for the site for PCB remediation. The Environmental Easement for the Site was recorded on July 3, 2018 and includes a notation that the project area has been remediated for PCB impacts and is restricted to low occupancy use as defined in 40 CFR 761.30. The Substation H (Building 297)/Drum Storage Area C project area was slated for redevelopment by Steiner Studios at the completion of remedial activities.

Once backfill was placed and the excavation areas was returned to original grade, no seeding, planting, or general landscaping was performed, as the site was slated to be immediately turned over to Steiner Studios for redevelopment. Site restoration was completed along with demobilization on July 21, 2018. The construction completion report can be found in Appendix D.

2.5.2 Building 77 Cover System Disturbance

The mezzanine in Building 77 was remediated between July 27, 2018 and August 27, 2018. The primary objective of the Remediation was to remove all traces of PCBs from the mezzanine's concrete slab without disturbing the structural integrity of the slab as well as allowing Russ & Daughters (nearby Tenant) to continue construction of their indoor facilities. CORE personnel were on site throughout the process performing Community Air Monitoring and ensuring adherence to the SMP. The Slab Restoration was completed by Rob Herschenfeld Design, Inc. in late September 2018. The construction completion report can be found in Appendix E.

2.5.3 Dock 72 Development Activities

The Dock 72 development project required excavation to install building foundation elements, subsurface utilities, and landscaped areas of the site. From March 2016, Langan was retained by BNY Tower Associates to be on-site during intrusive activities to observe and document environmental protocols in accordance with the Site Management Plan for the Brooklyn Navy Yard Industrial Park. The site is referenced with three main areas: Dock 72, the Triangle Lot, and the GMD lot.

1. Dock 72 is the western extension of the site and includes the newly constructed office building (this area, within the building footprint, is excluded from the Voluntary Cleanup Agreement (VCA) parcel).
2. The Triangle Lot is the central portion of the site east of Dock 72 and includes a newly paved parking lot. This area was included in the 2018 VCA parcel.
3. The GMD Lot is the northern extension of the site where construction included a paved parking lot above a subsurface stormwater detention system. This area was included in the 2018 VCA parcel.

Langan collected soil samples from the Dock 72 construction area for waste disposal characterization between June 17, 2017 and December 2018. Composite samples were collected from various excavation areas and analyzed for PCBs. The West Building Core, located over the majority of former Building 274 footprint and the location of the former pole mounted transformer, was excavated to a depth of 5' and the soil disposed offsite. The disposal manifests are provided in Langan's CCR.

Charlie Post (NYSDEC Case Manager) was onsite at BNY on June 6, 2019 and issued a stop work order and requested all notices and approvals from NYSDEC for ongoing work in the Triangle Lot and GMD Lot. Langan prepared a Change of Use Notification for cover disturbance at the Dock 72 Project, inclusive of the building, surrounding landscaped areas, and GMD Shipyard parking. Langan prepared a work plan containing information related to the past work on the project, a site plan, information regarding cover breach procedures, and notifications/progress reporting for this project.

Langan submitted a CCR dated October 2019. The CCR documented ground-intrusive activities, including sitewide soil grading, utility installation, and foundation construction during redevelopment of Dock 72 during the reporting period of March 23, 2016 to June 6, 2019. The report provides documentation that the earthwork and foundation construction activities were completed in accordance with the SMP. The site cover system was restored with new building structures. Utility excavations outside of the building footprint, aside from the GMD lot, were capped with asphalt or one foot of clean fill prior to building construction. At the time of the report, the GMD lot was approximately 95% complete.

Upon completion of the remaining work, Langan submitted an additional CCR dated July 2020. The CCR documented ground-intrusive activities, including sitewide soil grading, utility installation, and foundation construction during redevelopment of Dock 72 during the reporting period of June 17, 2019 to October 3, 2019. The report provides documentation that the earthwork and foundation construction activities were completed in accordance with the SMP.

The site cover system was restored with new building structures, concrete sidewalks, asphalt-paved parking lots, and landscaped areas with at least one foot of clean fill above a demarcation layer were capped with asphalt or one foot of clean fill prior to building construction.

The GMD lot is complete and capped with asphalt, concrete sidewalks and islands, or one foot of clean fill above a demarcation layer.

The majority of the southern portion of the Building 274 footprint, as well as the location of the former pole transformer and concrete pad, was excavated to a depth of 5-feet bgs for the Western Building Core foundation installation. Test Pits TP01 and TP02 were completed in these locations. Composite samples from these test pits from a range of 0' – 7' contained total PCB concentrations of 1.05 mg/kg – 1.84 mg/kg. The material was characterized and disposed of properly offsite. Disposal manifests are included in the CCR. This area was backfilled with approved material. Langan's Construction Completion Report, revised October 2021, and Construction Activity Report, revised October 2021, are included in Appendix H.

2.6 IC/EC Effectiveness

All engineering controls (ECs) for the Site are determined to be in good, functioning condition. The cover system is in good condition with no major cracks or holes. All completed minor or major cover disturbances have been reconstructed to meet the cover requirements.

2.7 IC/EC CERTIFICATION

The completed IC/EC Certification Form can be found in Appendix C.

3.0 MONITORING PLAN COMPLIANCE REPORT

The Monitoring Plan describes the methods to be used for evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment.

To adequately address these issues, this Monitoring Plan requires a Site-wide Inspection to be conducted annually and a Periodic Review Report annually. See Table 6 for more details:

Table 3
Schedule of Interim Monitoring/Inspection Reports

Task/Report	Reporting Frequency*
Site-wide Inspection	Annually
Periodic Review Report	Annually
Site Media (soil, groundwater, soil vapor, etc.)	To be determined if required in the future.

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC.

3.1 ANNUAL SITE-WIDE INSPECTION

On December 21, 2021, an Annual Site inspection to monitor the conditions of all ECs at the Site was performed. The Annual Site Inspection can be found in Appendix A and the Photo Log can be found in Appendix B. The cover system was found to be without any major cracks or holes.

Currently, there are no changes to the Monitoring Plan.

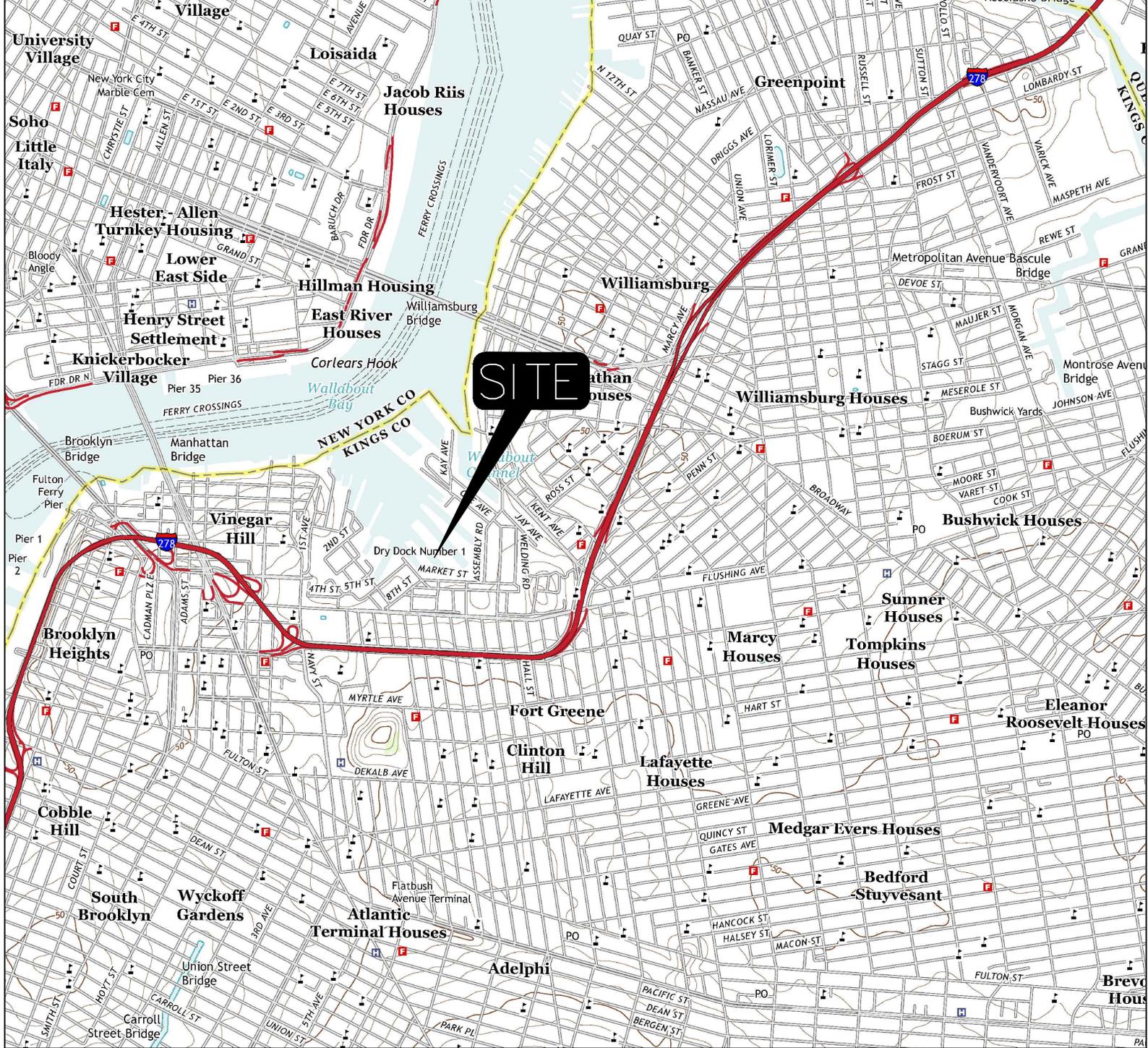
4.0 CONCLUSIONS AND RECOMMENDATIONS

All ECs for the Site were determined to be in good, functioning condition during the Annual Inspection performed on December 21, 2021. The cover system is in good condition with no major cracks or holes. The cover system is working as designed. All disturbances to the cover system were undertaken in accordance to the SMP. All ICs and ECs at the Site are in compliance with the SMP.

CORE recommends continued Community Air Monitoring and soil screening by a Qualified Environmental Professional for all site-wide cover disturbances as well as annual site-wide inspections.

This PRR was prepared in compliance with the NYSDEC-approved SMP. The next PRR will be submitted by December 30, 2022.

FIGURES



Source: USGS Topographic map Brooklyn 2013
 USGS Topographic map Central Park 2013



QUADRANGLE LOCATION

JOB TITLE AND LOCATION:
 BROOKLYN NAVY YARD
 63 FLUSHING AVE,
 BROOKLYN, NEW YORK



28-48 119TH STREET COLLEGE POINT, N.Y. 11356
 T: 718-786-4730 F: 718-786-4764
 2312 WEHRLE DRIVE BUFFALO, N.Y. 14221
 T: 716-204-8054 F: 716-204-8557

DRAWING TITLE:
 SITE LOCATION MAP

WARNING
 IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DATE: 1/10/2018	JOB NO.:	FIGURE NO.:
DESIGNED BY: SH	CHECKED BY: AC	SCALE: 2 : 1
DRAWN BY: SH	SCALE DRAWN BY: AC	SHEET OF:

www.COREenv.com

1

J:\BROOKLYN NAVY YARD\PLANNING & DEVELOPMENT TASKS\TASK002 - SITE WIDE SMP - VCA PARCEL\CAD\SMP_BNY_2.DWG



LEGEND

- SITE BOUNDARY (VCP SITE)
- SUBSTATION H/ DRUM STORAGE AREA C SITE
- VCA EXCEPTION AREAS
- PURPORTED AREA OF SUBSTATION C

NOTE: SITE MAP FROM GALLAS SURVEY GROUP SITE SURVEY (2018)

NO.	REVISIONS	DATE

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE ENGINEER AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ENGINEER. UNAUTHORIZED ALTERATION OR ADDITION TO ANY DRAWING, DESIGN, SPECIFICATION, PLAN OR REPORT IS PROHIBITED IN ACCORDANCE WITH STATE LAW, CODE AND RULES.

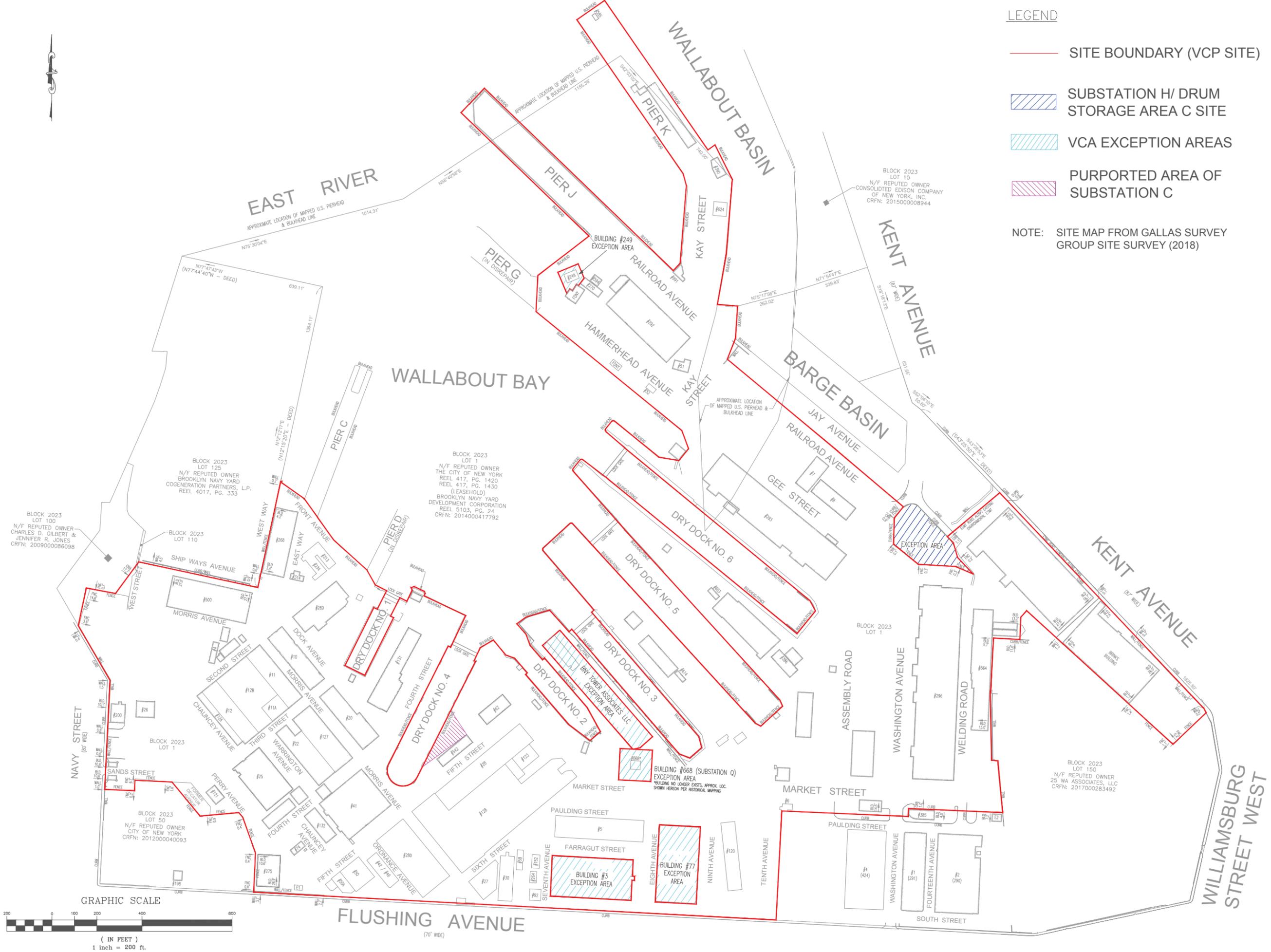
CORE ENVIRONMENTAL CONSULTANTS
 22-48 119TH STREET COLLEGE POINT, N.Y. 11356
 T: 718-786-4730 F: 718-786-4764
 2312 WEHRLE DRIVE BUFFALO, N.Y. 14221
 T: 716-204-8054 F: 716-204-8557
 www.COREenv.com

PROJECT TITLE:
BROOKLYN NAVY YARD
 63 Flushing Avenue
 Brooklyn, NY

DESCRIPTION:
 SITE MANAGEMENT PLAN

DRAWING TITLE:
 SITE MAP

SEAL & SIGNATURE	DATE:	3/21/2018
	PROJECT No.:	-
	DRAWN BY:	SH
	DESIGNED BY:	SH
	CHECKED BY:	AC
	APPROVED BY:	AC
	FIGURE No.:	2
SCALE: 1=200	SHEET No.:	01
	REVISED BY:	-



APPENDICES

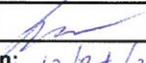
APPENDIX A

Annual Site Inspection Form

Annual Site Inspection

Site Name: Brooklyn Navy Yard	Site Code: V00120	
Address: 63 Flushing Avenue	City: Brooklyn	
State: New York	Zip Code: 11205	County: Kings

Inspection Item	Yes	No	Comments
General Site Inspection			
Change of Ownership or use or transfer of COC?		<input checked="" type="checkbox"/>	Site use permitted: commercial, industrial
New construction affecting building footprints?		<input checked="" type="checkbox"/>	
Any activity likely to disrupt or expose contamination/increase exposure risk?		<input checked="" type="checkbox"/>	
Any activity that will interfere with implementation of engineering or institutional controls?		<input checked="" type="checkbox"/>	
Site Cover			
Presence of holes, cracks, or other deficiencies?		<input checked="" type="checkbox"/>	
Repairs to the cover?	<input checked="" type="checkbox"/>		

Inspector's Name: JACOB THOMAS	Inspector's Title: ENVIRONMENTAL SCIENTIST
Inspector's Signature: 	Inspector's Affiliation: CORE Environmental Consultants, Inc.
Date/Time of Inspection: 12/21/21	Phone No.: (718) 786-4730

APPENDIX B

Annual Site Inspection Photograph Log

Bny Prr annual inspection

Created	2021-12-21 14:09:55 UTC by Ron Tramposch
Updated	2021-12-21 15:25:11 UTC by Ron Tramposch
Location	40.6997631071516, -73.9794775285516
Description	Bny Prr annual inspection
Date	2021-12-21

asphalt site cover near bld 290

Photo



caption	asphalt site cover near bld 290
Time	09:54

asphalt site cover back of bldg 290

Photo



caption

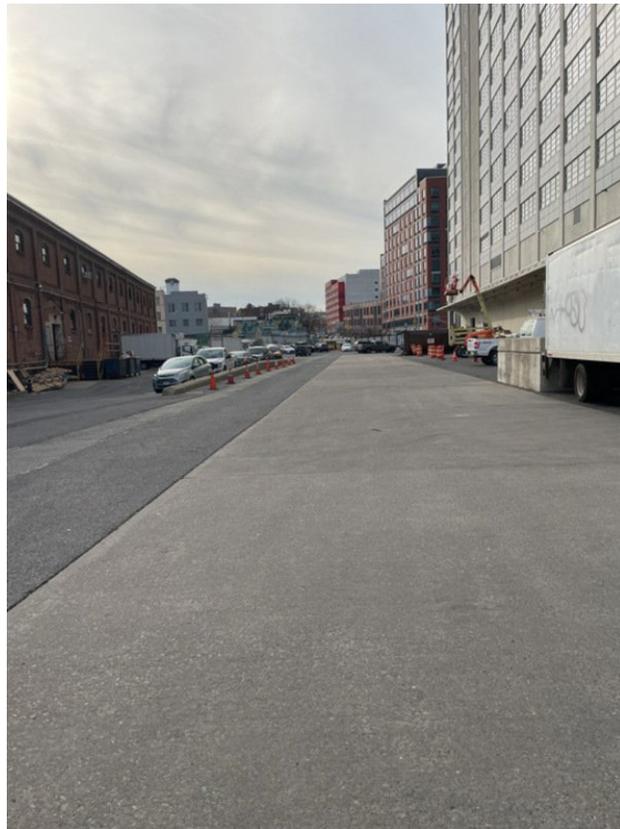
asphalt site cover back of bldg 290

Time

09:55

site cover beside bldg 77

Photo



caption

site cover beside bldg 77

Time

09:58

bny bldg 28 site cover

Photo



caption

bny bldg 28 site cover

Time

09:59

bny bldg 41 site cover

Photo



caption

bny bldg 41 site cover

Time

10:01

bny bldg 131 site cover

Photo



caption

bny bldg 131 site cover

Time

10:02

bny bldg 22 site cover

Photo



caption

bny bldg 22 site cover

Time

10:04

bny metal cover near bldg 22

Photo



caption

bny road repairs site cover bldg 22

Time

10:07

bny fueling station

Photo



caption

bny fueling station

Time

10:09

bny substation parking lot

Photo



caption

bny substation parking lot

Time

10:11

building 3 lot

Photo



caption

building 3 lot

Time

10:12

clinton gate site cover

Photo



caption

clinton gate site cover

Time

10:14

flushing gate entrance

Photo



caption

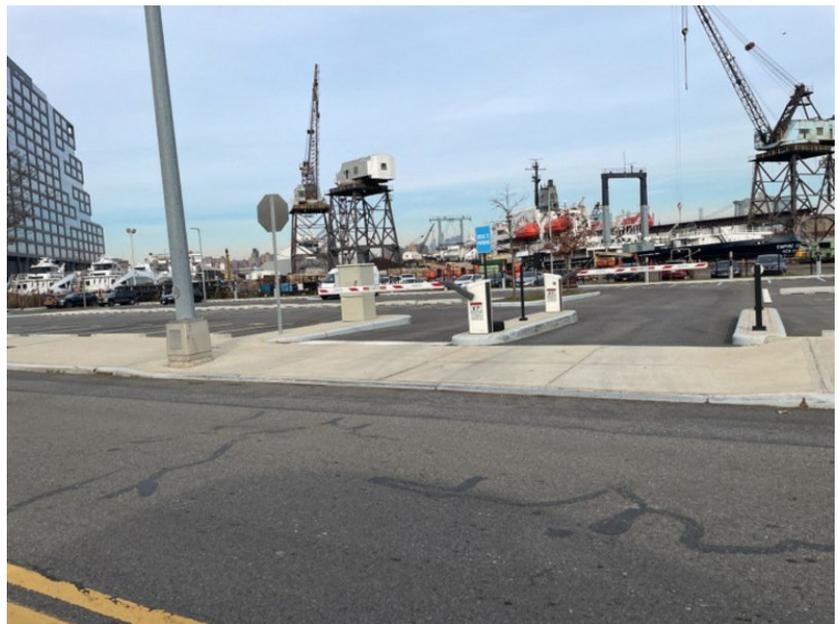
flushing gate entrance

Time

10:19

parking lot adjacent shipyard

Photo



caption

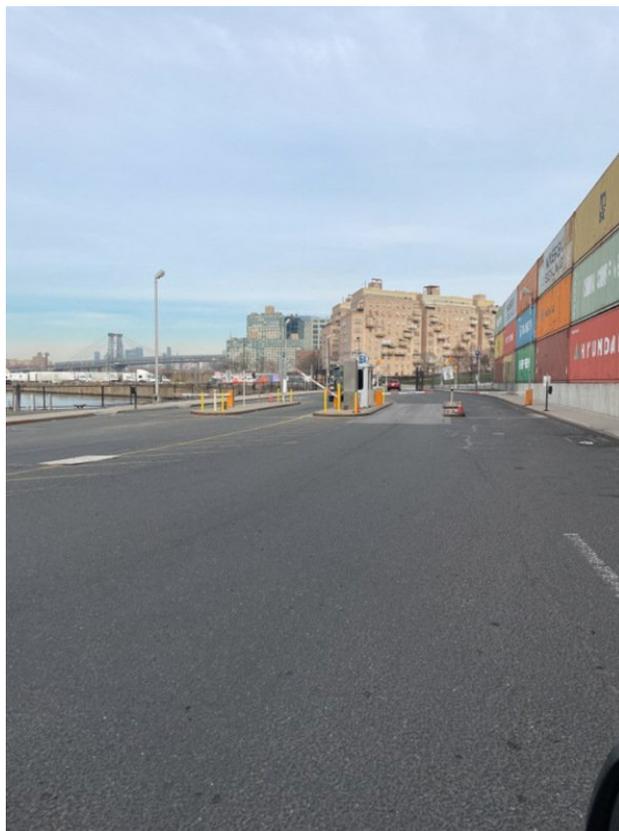
parking lot adjacent shipyard

Time

10:22

kent ave gate

Photo



caption

kent ave gate

Time

10:24

APPENDIX C

Site IC/EC Certification Forms



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. V00120

Site Name **Brooklyn Navy Yard Industrial Park**

Site Address: Flushing Avenue & Cumberland Street

Zip Code: 11205

City/Town: Brooklyn

County: Kings

Site Acreage: 146.790

Reporting Period: November 20, 2020 to December 12, 2021

	YES	NO
1. Is the information above correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

If NO, include handwritten above or on a separate sheet.

	YES	NO
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

	YES	NO
5. Is the site currently undergoing development?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Site No. V00120

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are all ICs in place and functioning as designed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Site No. V00120

Box 3

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
	City of New York	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan

The entire site is to be subject to an environmental easement and an SMP. The SMP minimally requires that the property owner certify annually that: the property is being used solely for commercial or industrial uses (or other specified use, as may be detailed in the easement); that the site cover has been maintained in accordance with the SMP; that any transformer substations that have been taken out of service are in the process of being remedied, or have been remedied, as dictated by the environmental easement.

Site No. V00120

Box 4

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
	Cover System

The entire site is to be subject to an environmental easement and an SMP. The SMP minimally requires that the property owner certify annually that: the property is being used solely for commercial or industrial uses (or other specified use, as may be detailed in the easement); that the site cover has been maintained in accordance with the SMP; that any transformer substations that have been taken out of service are in the process of being remedied, or have been remedied, as dictated by the environmental easement.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering Control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

- a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
Site No. V00120

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Elizabeth Tramosch, at CORE Environmental Consultants, Inc.,
print name print business address

am certifying as Designated Representative for the Owner (Owner or Remedial Party)
for the Site named in the Site Details Section of this form.

Elizabeth Tramosch

Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

01/05/2022

Date

IC/EC CERTIFICATIONS
Site No. V00120

Box 7

Signature

I certify that all information and statements in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Elizabeth Tramosch, at CORE Environmental Consultants, Inc.,
print name print business address

am certifying as a designated representative for the Owner (Owner or Remedial Party)



Elizabeth Tramosch

Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

01/05/2022

Date

APPENDIX D

Cover Breach Notifications

April 13, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Berth 14A Test Pits**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system at Berth 14A at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: Birth 14A . See attached vicinity map

Scope: The scope of the work is the excavation of two (2) 5' x 5' test pits adjacent to the bulkhead in order to investigate pier stability and sinkholes that have recently developed on the pier. It is anticipated that all excavated soil will be returned to the excavation. Location of test pits are shown on the attached drawing.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring will be conducted. A Qualified Environmental Professional will be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP.

Schedule: The BNYDC has designated this an urgent project and would like to start as soon as possible.

If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.



Ronal Tramposch
Senior Project Manager

BROOKLYN NAVY YARD INDUSTRIAL PARK: BERTH 14A TEST PITS - LOCATION MAP



63 FLUSHING AVENUE, BROOKLYN, NY 11205

February 12, 2020

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Building 22 Fence Post Installation**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system adjacent to Building 22 at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: Building 22. See attached vicinity map

Scope: The scope of the work is to drill approximately 20 fence posts to a depth of 2-feet a 10' x 10' by 5' deep excavation near the loading docks at Eighth Avenue and Paulding Street side of Building 77. The purpose of the excavation is to repair a collapsed sanitary sewer line. The area is currently paved with asphalt. The asphalt cover will be restored after the repair is complete.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring will be conducted. A Qualified Environmental Professional will be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP.

Schedule: The BNYDC has designated this an emergency project and would like to start as soon as February 21, 2019.

If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.



Ronal Tramosch
Senior Project Manager

October 14, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Building 77 Catch Basin Repair**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system adjacent to Building 77 on 8th Avenue at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: Building 77 along 8th Avenue. See attached vicinity map

Scope: The scope of the work includes the 5' x 10' x 10' deep excavation to repair a catch basin settling on an existing storm drain. It is anticipated that all excavated soil will be returned to the excavation. The cover system will be restored after completion of the steam line repairs.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring will be conducted. A Qualified Environmental Professional will be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP.

Schedule: The BNYDC would like to start as soon as possible.

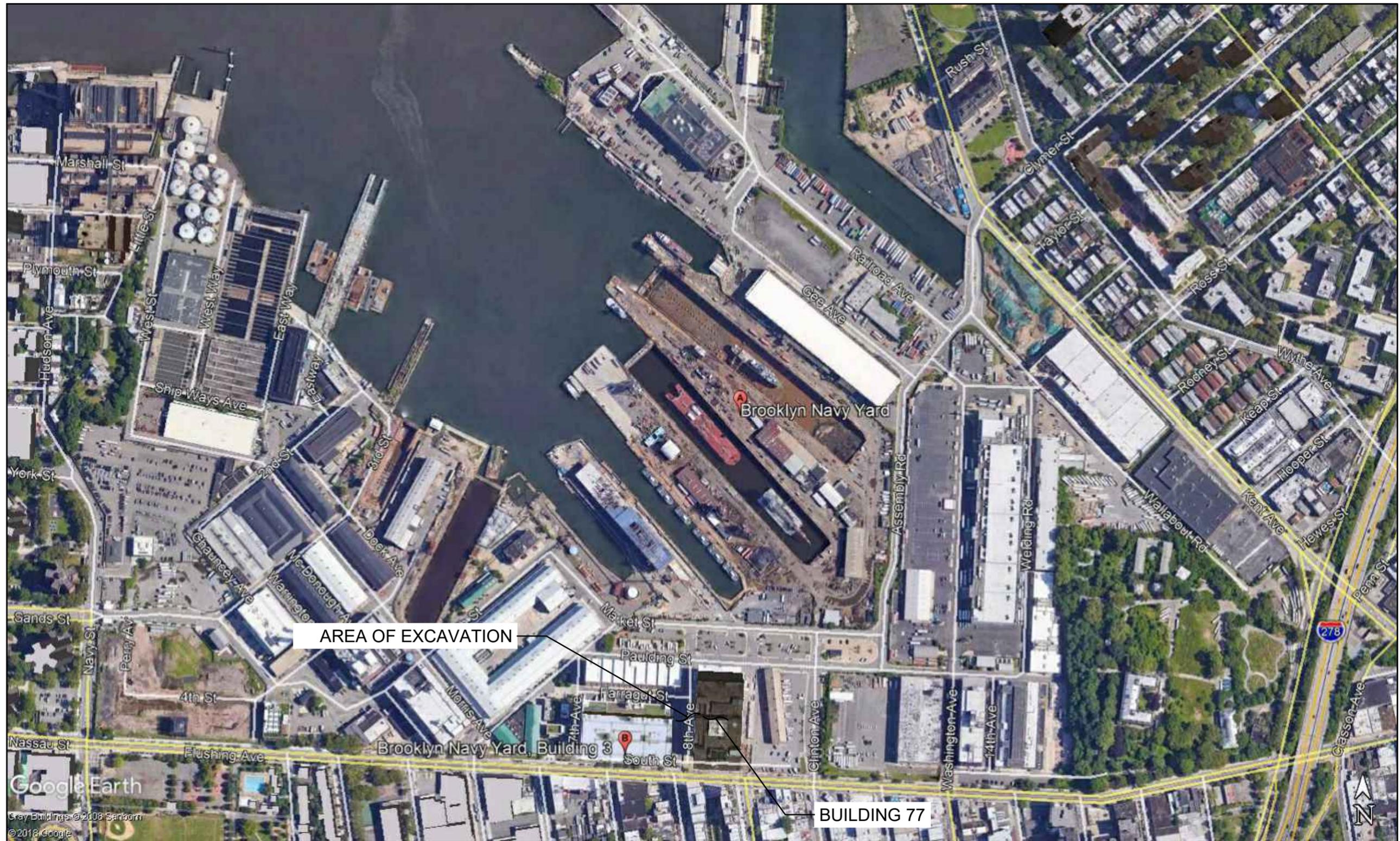
If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.



Ronal Tramposch
Senior Project Manager

BROOKLYN NAVY YARD INDUSTRIAL PARK: CATCH BASIN REPAIR - BUILDING 77/8TH AVE LOCATION MAP



63 FLUSHING AVENUE, BROOKLYN, NY 11205

September 17, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Building 77 Sidewalk Repair**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system adjacent to building 77 at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: Building 77. See attached vicinity map

Scope: The scope of the work is the removal concrete sidewalk and replace with new concrete near the Building 77 parking lot. Soil will not be excavated or removed.

All work will be performed in accordance with the SMP Health & Safety Plan.

Schedule: The BNYDC has designated this an urgent project and would like to start as soon as possible.

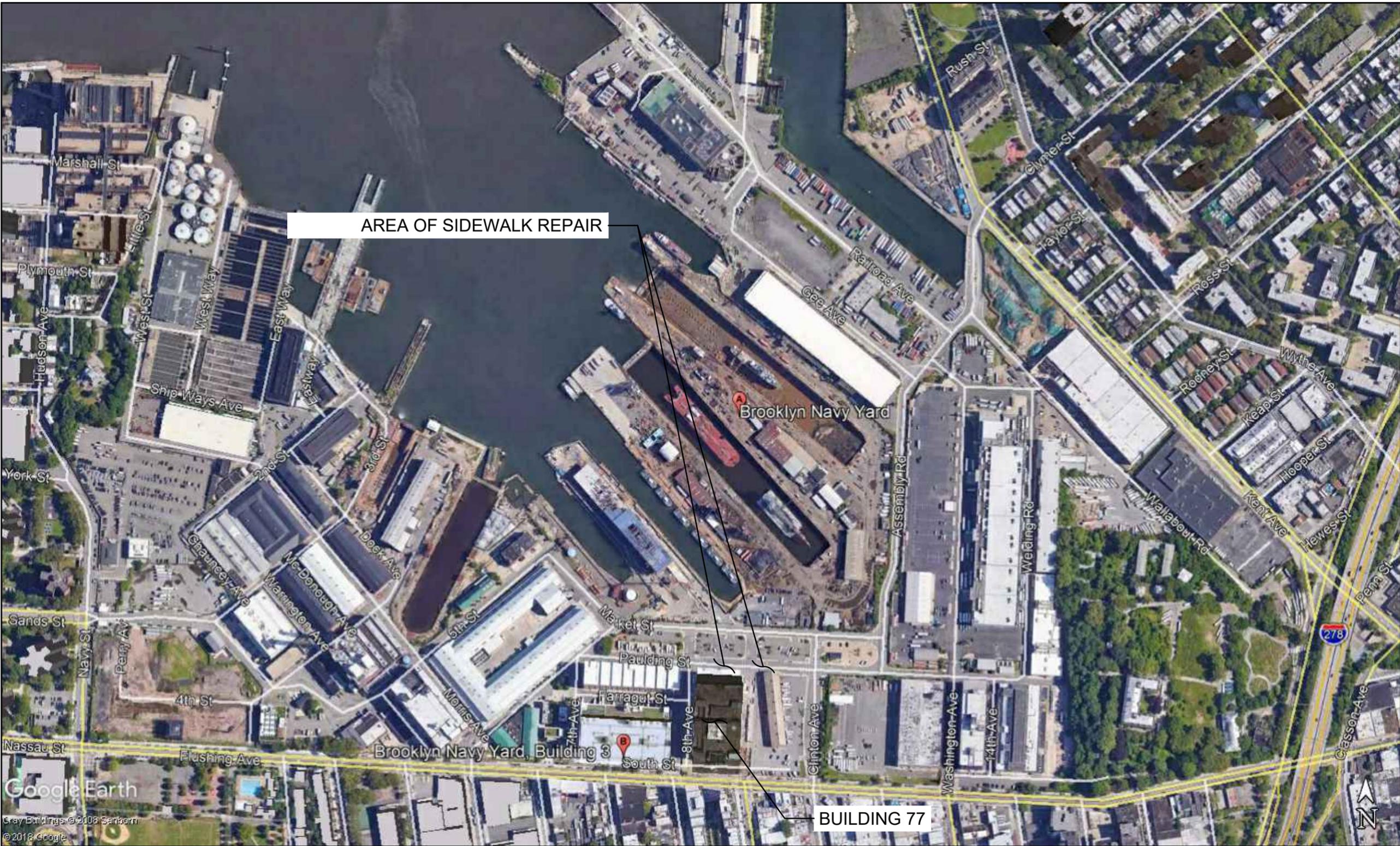
If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.

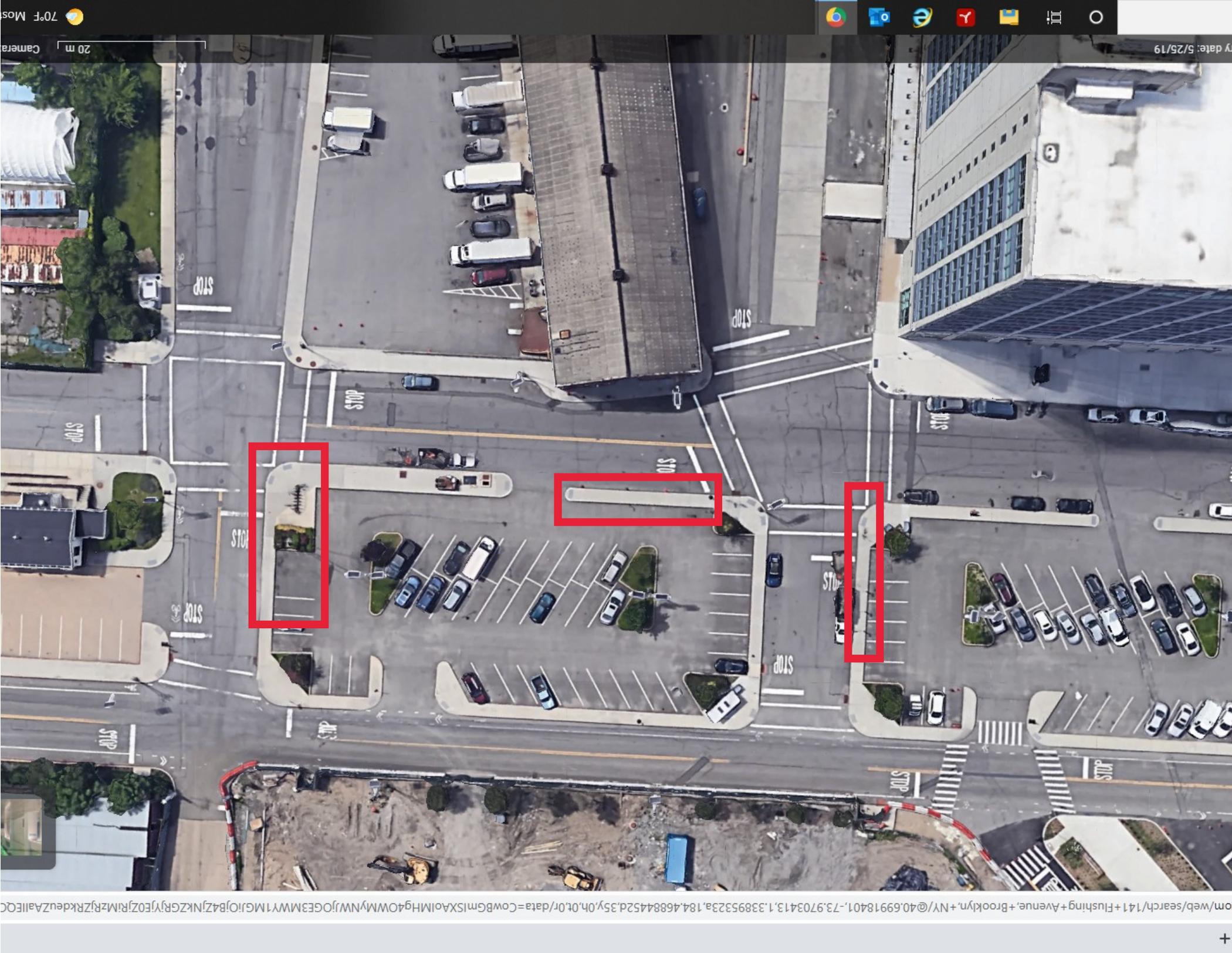


Ronal Tramposch
Senior Project Manager

**BROOKLYN NAVY YARD INDUSTRIAL PARK:
REPLACEMENT OF BUILDING 77 - LOCATION MAP**



63 FLUSHING AVENUE, BROOKLYN, NY 11205



September 16, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Building 127 Test Pits**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system adjacent to Building 127 at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP).

Location: Building 127 – Southeast exterior sidewalk along Morris Avenue

Scope: The test pit work to be completed at the Site is part of a construction contract between TAP Electric and BNYDC for the Restoration of Substation at Building 127. The purpose of the contract work is to repair damages from Hurricane Sandy and mitigate against future flood related losses at the Building 127 utility substation. The test pit described is to be completed outside of Building 127 on the sidewalk adjacent to Morris Avenue. The work is being completed by TAP Electric.

The work includes demolition of the concrete sidewalk and installation of a test pit outside the northeast elevation of BNY Building 127. The test pit shall be hand excavated to be approximately four feet by four feet and extend to match the underside of the building footing being investigated. The maximum depth of the test pit will be five feet below existing site grade. The estimated volume to be excavated during test pit completion is 3 cubic yards. Soil will be restored to pit upon completion and concrete repaired.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring will be conducted. CORE's Qualified Environmental Professional will be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP.

Schedule: The BNYDC has designated this an urgent project and would like to start as soon as possible.



22-48 119th Street, College Point, NY 11356 ♦ Phone: 718.786.4730 ♦ Fax: 718.786.4764
2312 Wehrle Dr., Buffalo, NY 14221 ♦ Phone: 716-204-8054 ♦ Fax 716-204-8557

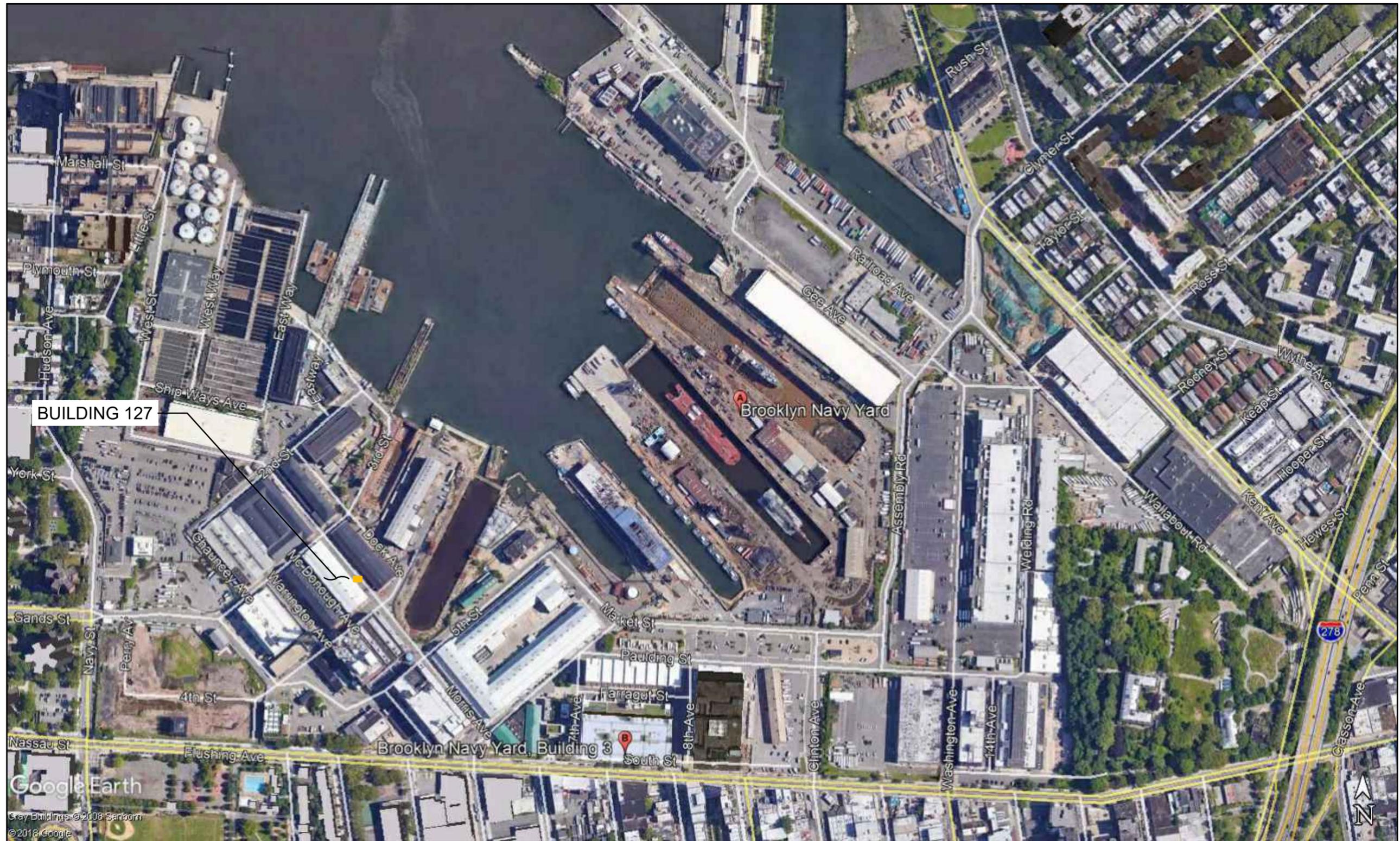
If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.

A handwritten signature in blue ink, appearing to read "R. Tramposch", is written over a light blue horizontal line.

Ronal Tramposch
Senior Project Manager

BROOKLYN NAVY YARD INDUSTRIAL PARK: BUILDING 127 LOCATION MAP



63 FLUSHING AVENUE, BROOKLYN, NY 11205

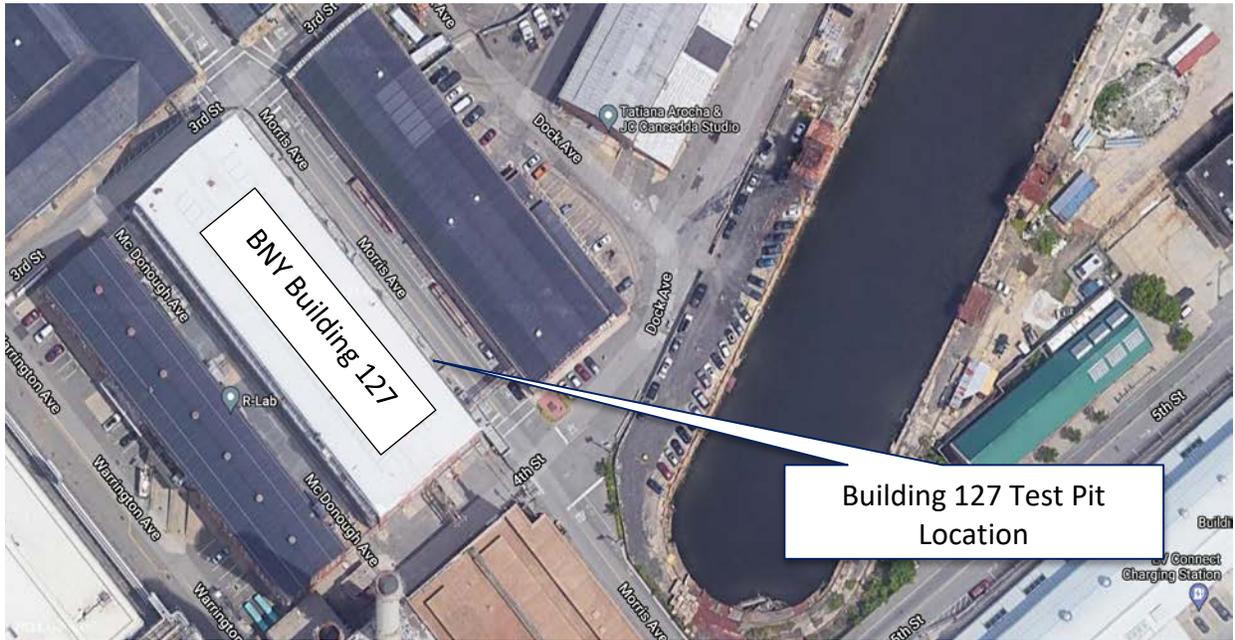


Figure 1: Aerial view of BNY Building 127 with test pit location

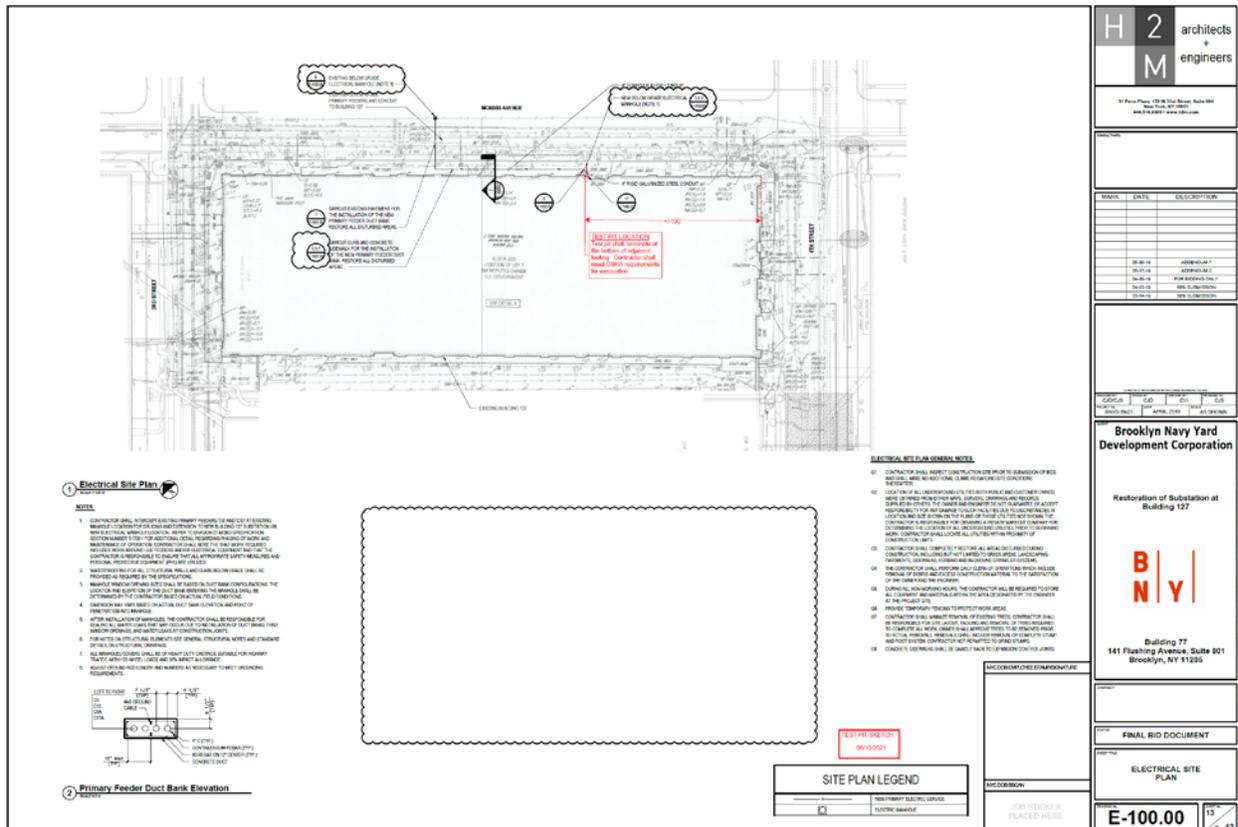


Figure 2: Electrical Site Plan E-100.00 with test pit location

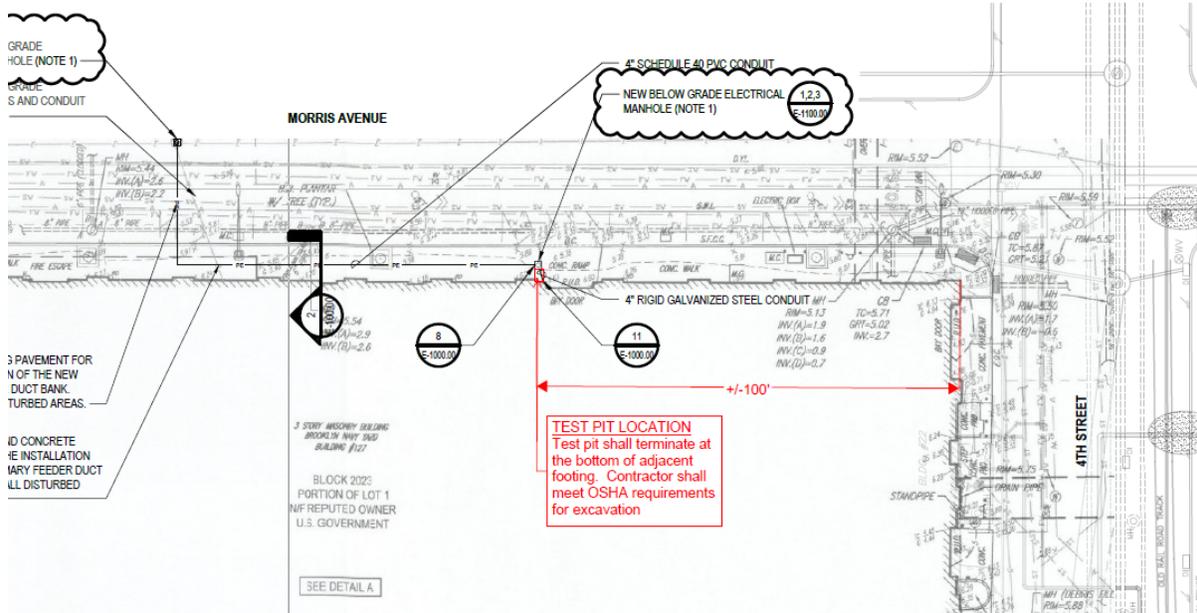


Figure 3: Section of Drawing E100.00 showing detail location of test pit.

April 22, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Building 280 Steam Leak Repair**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system adjacent to building 280 at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: Birth 280. See attached vicinity map

Scope: The scope of the work is the excavation of an existing steam line adjacent to building 280. It is anticipated that the steam line is approximately 4-feet deep, and the size of the excavation will be no larger than 4 feet x 4 feet. It is anticipated that all excavated soil will be returned to the excavation. The cover system will be restored after completion of the steam line repairs.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring will be conducted. A Qualified Environmental Professional will be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP.

Schedule: The BNYDC has designated this an urgent project and would like to start as soon as possible.

If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.



Ronal Tramosch
Senior Project Manager

Bldg. 280 Steam Leak Repairs

Legend

-  Brooklyn Tow Pound Facility
-  ConstructionKids
-  Crye Precision
-  Feature 1
-  Feature 2
-  HITN
-  Location for Excavation
-  St
-  Ted & Honey
-  Ten Ton Studio
-  Todd Bracher Studio LLC

 Location for Excavation



July 22, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Building 292 Sidewalk Repair**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system adjacent to building 292 at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: Birth 292. See attached vicinity map

Scope: The scope of the work is the removal of approximately 70 square feet of concrete sidewalk and replace with new concrete. Soil will not be removed.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring will be conducted. A Qualified Environmental Professional will be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP.

Schedule: The BNYDC has designated this an urgent project and would like to start as soon as possible.

If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.



Ronal Tramosch
Senior Project Manager

WORK AREA







November 20, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
National Grid – Building 12 Shut-Off Valve Replacement**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system adjacent to Building 12 at the corner of Chauncey Avenue and 2nd Street at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: Chauncey Avenue and 2nd Street (near Building 12)

Scope: National Grid is performing an excavation, approximately 4' x 4' x 3' deep, at the corner of Chauncey Avenue and 2nd Street to locate and raise to grade a gas shutoff valve for Building 12. It is anticipated that all excavated soil will be returned to the excavation. The cover system will be restored after completion of the steam line repairs.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. CORE Environmental Consultants, Inc. will provide a Qualified Environmental Professional to be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP. Community Air Monitoring will be conducted by CORE.

Schedule: Work is scheduled to begin December 7, 2021.

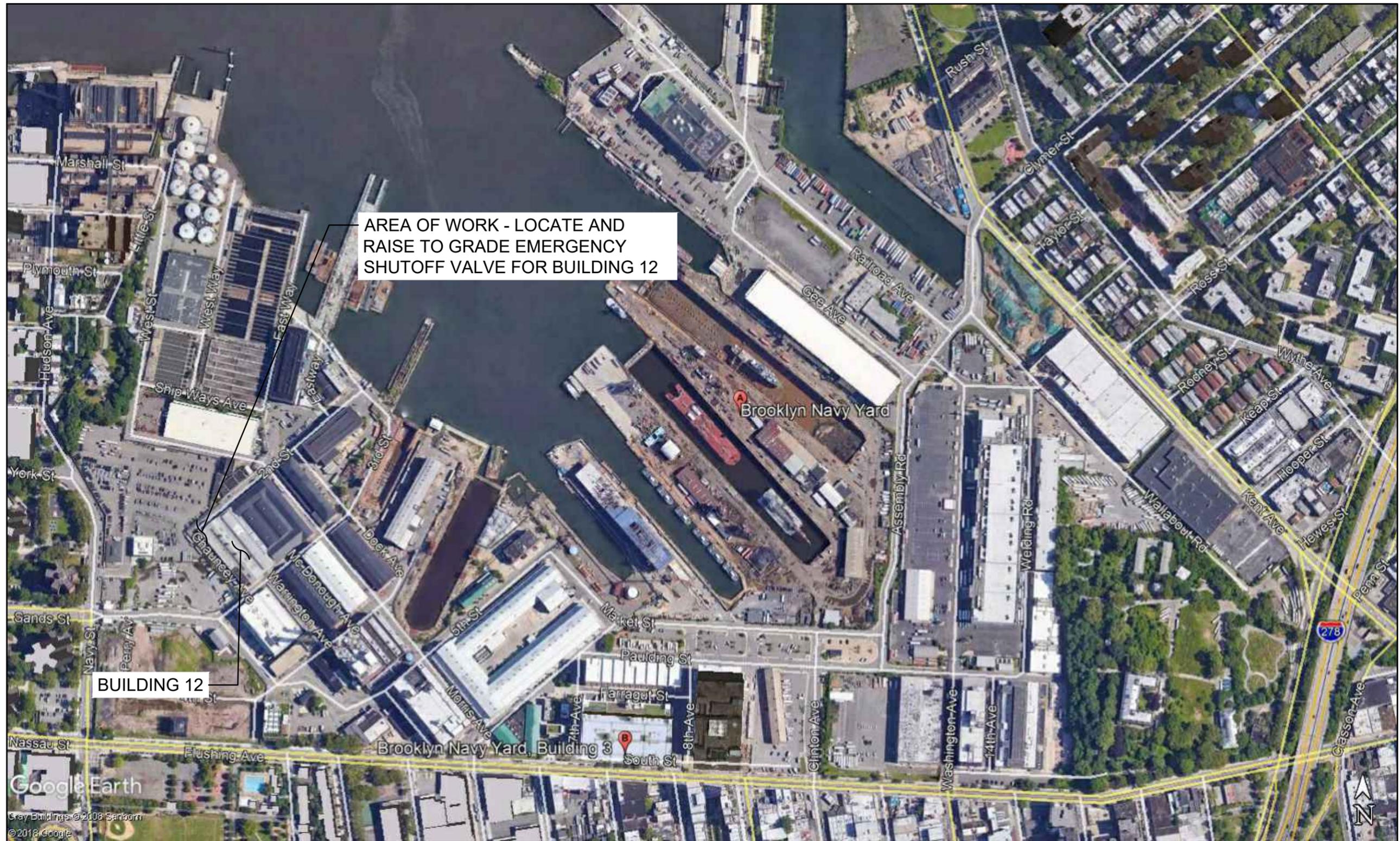
If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.



Ronal Tramposch
Senior Project Manager

BROOKLYN NAVY YARD INDUSTRIAL PARK: BUILDING 12 - LOCATION MAP



63 FLUSHING AVENUE, BROOKLYN, NY 11205

October 15, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
National Grid – Emergency Gas Line Repair on 3rd Street**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system adjacent to Building 22 on 3rd Street at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: 3rd Street and Warrington Ave (near Building 22)

Scope: National Grid is performing an emergency excavation, approximately 3' x 3' x 4' deep, on 3rd Street to repair a gas line. It is anticipated that all excavated soil will be returned to the excavation. The cover system will be restored after completion of the steam line repairs.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. CORE Environmental Consultants, Inc. will provide a Qualified Environmental Professional to be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP. Community Air Monitoring will be conducted.

Schedule: Emergency work performed on October 15, 2021

If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.



Ronal Trampusch
Senior Project Manager

BROOKLYN NAVY YARD INDUSTRIAL PARK: NATIONAL GRID EMERGENCY EXCAVATION LOCATION MAP



63 FLUSHING AVENUE, BROOKLYN, NY 11205

August 10, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Steiner Studios Water line Repair**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system behind Steiner Studios at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: Steiner Studios. See attached vicinity map

Scope: The scope of the work is to excavate to a depth of 4' to access and repair a leaking water line.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring will be conducted. A Qualified Environmental Professional will be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP.

Schedule: The BNYDC has designated this an urgent project and would like to start as soon as possible.

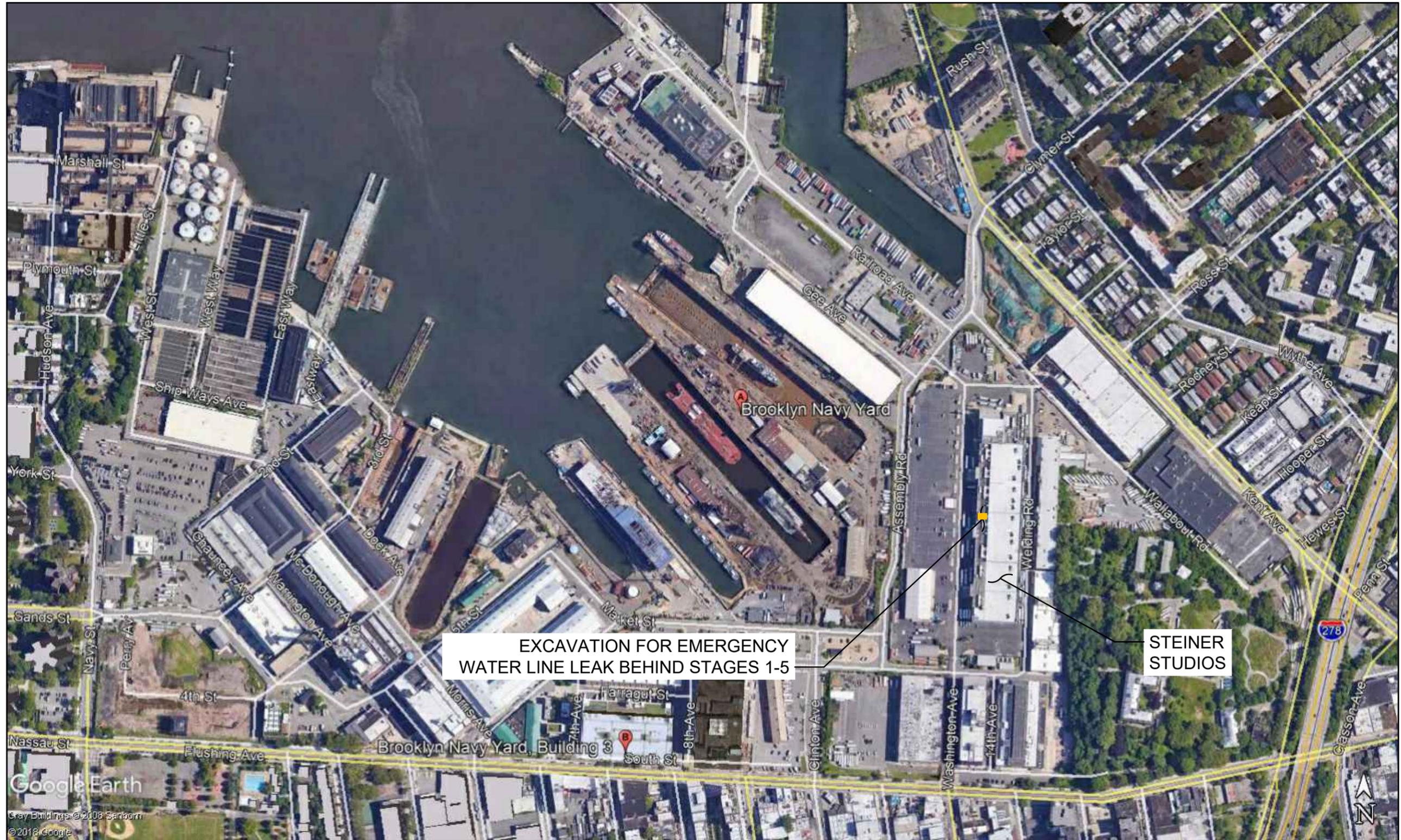
If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.



Ronal Tramosch
Senior Project Manager

BROOKLYN NAVY YARD INDUSTRIAL PARK: STEINER STUDIOS EMERGENCY WATER LINE EXCAVATION - LOCATION MAP



63 FLUSHING AVENUE, BROOKLYN, NY 11205

February 3, 2020

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Building 12B Emergency Sewer Repair Work**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system adjacent to Building 12B at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: Building 12B. See attached vicinity map

Scope: The scope of the work is a 4' x 10' by 5' deep excavation along building exterior wall near 2nd Street and Morris Avenue. The purpose of the excavation is to repair a collapsed sanitary sewer line. The area is currently paved with asphalt. The asphalt cover will be restored after the repair is complete.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring will be conducted. A Qualified Environmental Professional will be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP.

Schedule: The BNYDC has designated this an emergency project and would like to start as soon as February 4, 2020.

If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.



Ronal Tramposch
Senior Project Manager

BROOKLYN NAVY YARD INDUSTRIAL PARK: BUILDING 12B LOCATION MAP



63 FLUSHING AVENUE, BROOKLYN, NY 11205

February 12, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Cumberland Gate – Emergency Water Line Repair**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system generally bound by the Cumberland Gate, building 280, building 27, and building 128. Minor disturbances of the site-wide cover require a 15- day notification as per the Department approved Site Management Plan (SMP)

Location: Cumberland Entrance Gate. See attached vicinity map

Scope: The scope of the work is an excavation of the cover system of approximately 10' x 10' x 6' in depth near the Cumberland Gate entrance adjacent to building 280. The purpose of the excavation is repairing a water main that is currently leaking. This is considered an emergency.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring will be conducted by CORE. CORE will provide a Qualified Environmental Professional to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP.

Schedule: The BNYDC intends to begin construction as soon as possible.

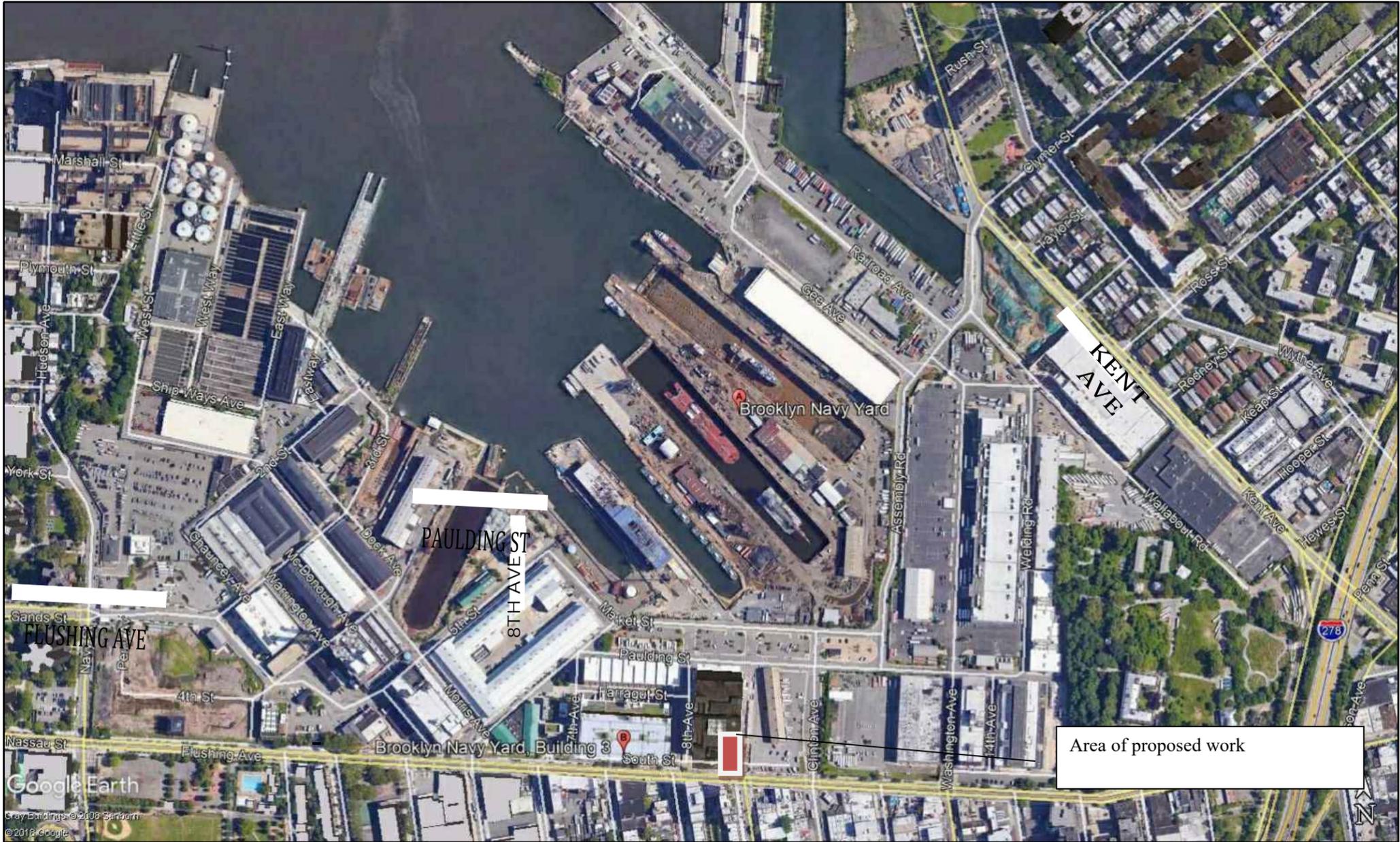
If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.



Ronal Tramposch
Senior Project Manager

BROOKLYN NAVY YARD INDUSTRIAL PARK:
CUMBERLAND GATE LOCATION MAP
63 FLUSHING AVENUE, BROOKLYN, NY 11205



NAVY
ST

Google Earth

© 2018 Google

Area of proposed work

June 5, 2021

Mr. Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: Change of Use/Minor Disturbance 15 Day Notice – BNYDC VCP Site V00120
Building 127 Water Line Excavation**

Dear Mr. Post:

On behalf of The Brooklyn Navy Yard Development corporation, we have prepared this letter to notify the Department of a **Change of Use / Minor Disturbance** of the cover system adjacent to Building 127 at the Brooklyn Navy Yard. Minor disturbances of the site-wide cover require a 15-day notification as per the Department approved Site Management Plan (SMP)

Location: Building 127. See attached vicinity map

Scope: The NYCDEP requires the BNYDC to expose the new wet tap connections for bldg. 127 below 3rd and 4th street (Drawing attached) The connection that needs to be exposed is at about 5 feet below grade.

All work will be performed in accordance with the SMP Health & Safety Plan and Excavation Work Plan. Community Air Monitoring will be conducted by CORE Environmental Consultants, Inc.. A Qualified Environmental Professional will be on-site to ensure excavated soil is suitable to be returned to the excavation as outlined in the SMP.

Schedule: The BNYDC would like to begin this work on June 23, 2021.

If you have any questions or require any additional information, feel free to contact us at (718) 786-4730. Sincerely,

CORE Environmental Consultants, Inc.

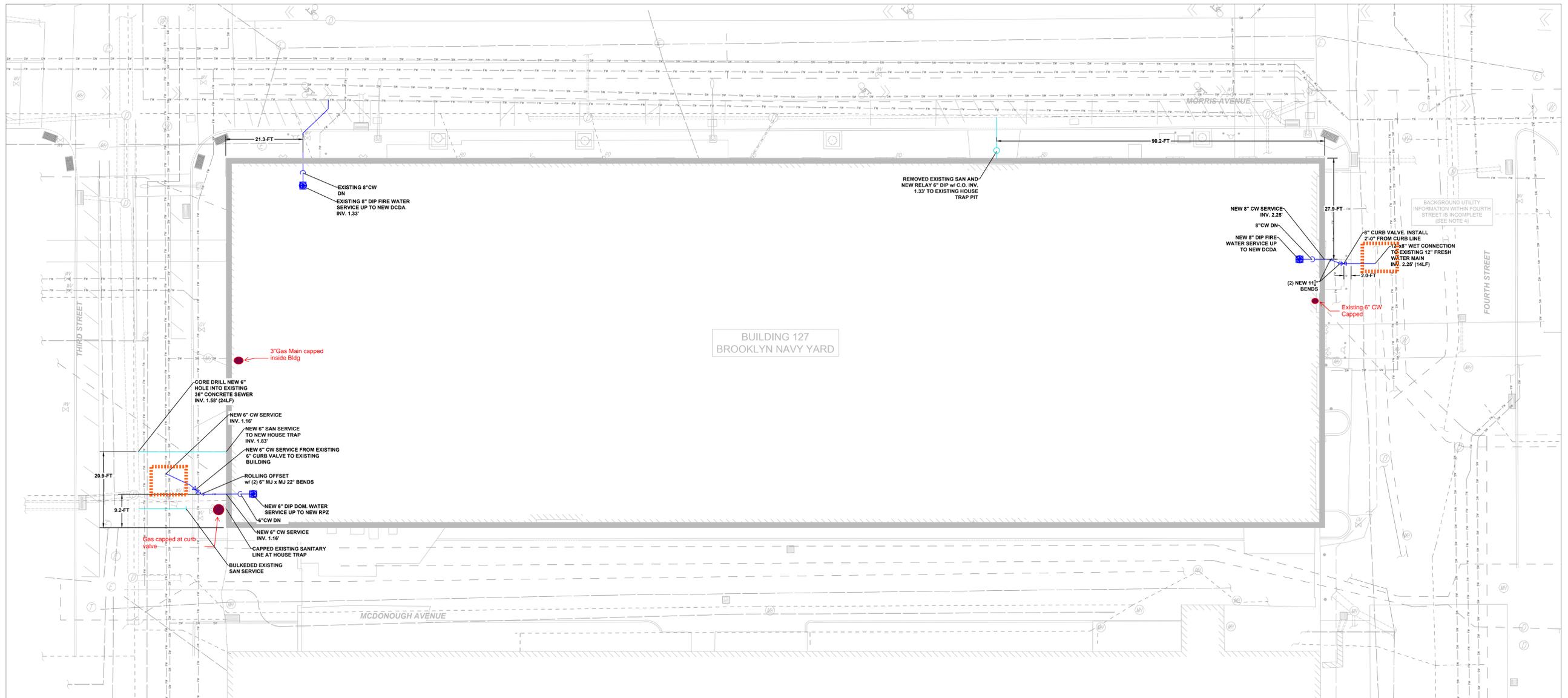


Ronal Tramosch
Senior Project Manager

BROOKLYN NAVY YARD INDUSTRIAL PARK: BUILDING 127 LOCATION MAP



63 FLUSHING AVENUE, BROOKLYN, NY 11205



BUILDING 127
BROOKLYN NAVY YARD



SITE UTILITY PLAN
SCALE 1"=20'



AS BUILT

12/23/2019

SHOP DRAWING	DATE:	8/16/2019	REVISION:
	PROJECT:	PHASE ONE GROUP INC. 330 NEW BRUNSWICK AVE FORDS, NJ 08863 TEL: (732)379-4990 FAX: (732)379-4991	SCALE: 1/4"=1'-0" JOB NO: DRAWN: s.s.
	BROOKLYN NAVY YARD BLDG. 127		DWG. NO.
	SITE UTILITY PLAN		SKC-100

APPENDIX E

Daily Status Reports

Brooklyn Navy Yard, Berth 14A Test Pits, 2021-04-19

Created	2021-04-19 12:19:07 UTC by Ron Tramposch
Updated	2021-04-27 18:19:32 UTC by Ron Tramposch
Location	40.705808, -73.972763

Basic Information

Client	Brooklyn Navy Yard
Project Name	Berth 14A Test Pits
On-Site CORE Representative	Chris Erickson
CORE Project Manager	Ron Tramposch
General Contractor	Raytone Plumbing
Date	2021-04-19
Arrive On-Site	08:00

Conditions

Clear, 55, 3, W, 08:19

Weather	Clear
Temperature (F)	55
Wind Speed (MPH)	3
Wind Direction	W
Time	08:19

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No
Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	Yes

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

08:20, Cut asphalt and excavated about 5 ft for first test pit

Time	08:20
Description	Cut asphalt and excavated about 5 ft for first test pit

08:46, Groundwater encountered at 5 ft

Time	08:46
Description	Groundwater encountered at 5 ft

09:00, Started cutting asphalt for test pit 2

Time	09:00
Description	Started cutting asphalt for test pit 2

10:45, Continued to excavate test pit 2

Time	10:45
Description	Continued to excavate test pit 2

10:46, Asked by Raytone if it is ok to place excavated concrete back into test pits and CORE confirmed this was ok

Time	10:46
Description	Asked by Raytone if it is ok to place excavated concrete back into test pits and CORE confirmed this was ok

12:01, Compacted soil to be ready for concrete pour

Time	12:01
Description	Compacted soil to be ready for concrete pour

Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Excavation Test Pit 1

Photo



Time	08:22
Description	Excavation Test Pit 1

Groundwater encountered

Photo



Time	08:46
Description	Groundwater encountered

Location of upwind air monitor (East Test Pit 1)

Photo



Time	08:46
Description	Location of upwind air monitor (East Test Pit 1)

Location of downwind air monitor (West Test Pit 1)

Photo



Time

08:48

Description

Location of downwind air monitor (West Test Pit 1)

Downwind air monitor (West Test Pit 2)

Photo



Time

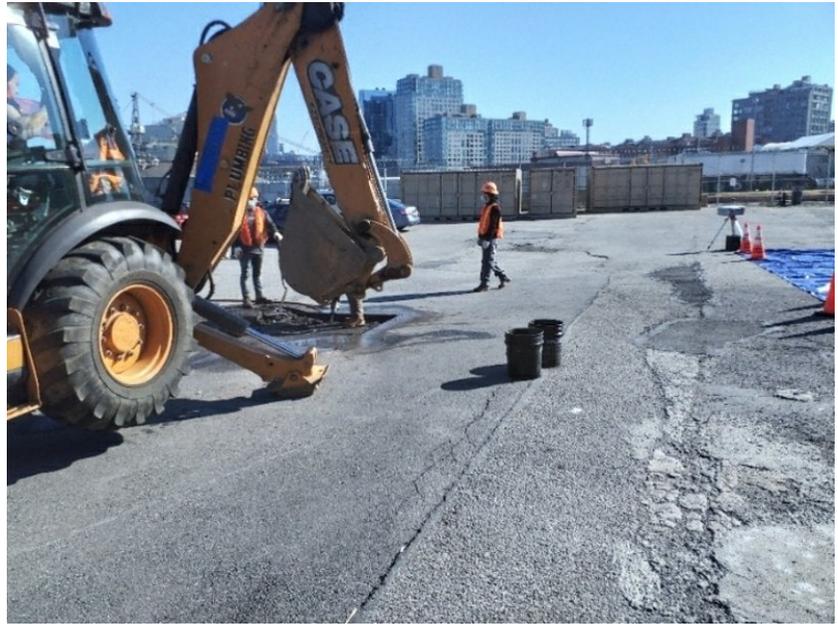
09:13

Description

Downwind air monitor (West Test Pit 2)

Upwind air monitor (East Test Pit 2)

Photo



Time

09:15

Description

Upwind air monitor (East Test Pit 2)

Drilling for test pit 2

Photo



Time

09:31

Description

Drilling for test pit 2

Test pit 2

Photo



Time 10:43

Description Test pit 2

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Test 072

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/19/2021
Instrument S/N	8530114003	Start Time	07:12:58
		Stop Date	04/19/2021
		Stop Time	08:00:58
		Total Time	0:00:48:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	04/19/2021	07:13:58	0.044
2	04/19/2021	07:14:58	0.031
3	04/19/2021	07:15:58	0.032
4	04/19/2021	07:16:58	0.034
5	04/19/2021	07:17:58	0.032
6	04/19/2021	07:18:58	0.032
7	04/19/2021	07:19:58	0.035
8	04/19/2021	07:20:58	0.034
9	04/19/2021	07:21:58	0.030
10	04/19/2021	07:22:58	0.031
11	04/19/2021	07:23:58	0.030
12	04/19/2021	07:24:58	0.030
13	04/19/2021	07:25:58	0.029
14	04/19/2021	07:26:58	0.031
15	04/19/2021	07:27:58	0.028
16	04/19/2021	07:28:58	0.027
17	04/19/2021	07:29:58	0.027
18	04/19/2021	07:30:58	0.025
19	04/19/2021	07:31:58	0.028
20	04/19/2021	07:32:58	0.029
21	04/19/2021	07:33:58	0.030
22	04/19/2021	07:34:58	0.029
23	04/19/2021	07:35:58	0.028
24	04/19/2021	07:36:58	0.030
25	04/19/2021	07:37:58	0.032
26	04/19/2021	07:38:58	0.035
27	04/19/2021	07:39:58	0.038
28	04/19/2021	07:40:58	0.040
29	04/19/2021	07:41:58	0.041
30	04/19/2021	07:42:58	0.041
31	04/19/2021	07:43:58	0.041
32	04/19/2021	07:44:58	0.039
33	04/19/2021	07:45:58	0.044
34	04/19/2021	07:46:58	0.036
35	04/19/2021	07:47:58	0.037

Test Data			
Data Point	Date	Time	AEROSOL mg/m³
36	04/19/2021	07:48:58	0.037
37	04/19/2021	07:49:58	0.036
38	04/19/2021	07:50:58	0.035
39	04/19/2021	07:51:58	0.035
40	04/19/2021	07:52:58	0.037
41	04/19/2021	07:53:58	0.039
42	04/19/2021	07:54:58	0.040
43	04/19/2021	07:55:58	0.043
44	04/19/2021	07:56:58	0.042
45	04/19/2021	07:57:58	0.040
46	04/19/2021	07:58:58	0.040
47	04/19/2021	07:59:58	0.115
48	04/19/2021	08:00:58	0.043

Test 073

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/19/2021
Instrument S/N	8530114003	Start Time	08:01:05
		Stop Date	04/19/2021
		Stop Time	11:06:05
		Total Time	0:03:05:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	04/19/2021	08:02:05	0.035
2	04/19/2021	08:03:05	0.033
3	04/19/2021	08:04:05	0.031
4	04/19/2021	08:05:05	0.103
5	04/19/2021	08:06:05	0.105
6	04/19/2021	08:07:05	0.051
7	04/19/2021	08:08:05	0.023
8	04/19/2021	08:09:05	0.034
9	04/19/2021	08:10:05	0.025
10	04/19/2021	08:11:05	0.023
11	04/19/2021	08:12:05	0.026
12	04/19/2021	08:13:05	0.027
13	04/19/2021	08:14:05	0.026
14	04/19/2021	08:15:05	0.032
15	04/19/2021	08:16:05	0.026
16	04/19/2021	08:17:05	0.026
17	04/19/2021	08:18:05	0.027
18	04/19/2021	08:19:05	0.026
19	04/19/2021	08:20:05	0.024
20	04/19/2021	08:21:05	0.025
21	04/19/2021	08:22:05	0.025
22	04/19/2021	08:23:05	0.026
23	04/19/2021	08:24:05	0.028
24	04/19/2021	08:25:05	0.031
25	04/19/2021	08:26:05	0.030
26	04/19/2021	08:27:05	0.031
27	04/19/2021	08:28:05	0.029
28	04/19/2021	08:29:05	0.026
29	04/19/2021	08:30:05	0.025
30	04/19/2021	08:31:05	0.027
31	04/19/2021	08:32:05	0.031
32	04/19/2021	08:33:05	0.025
33	04/19/2021	08:34:05	0.024
34	04/19/2021	08:35:05	0.024
35	04/19/2021	08:36:05	0.022

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
36	04/19/2021	08:37:05	0.018
37	04/19/2021	08:38:05	0.019
38	04/19/2021	08:39:05	0.021
39	04/19/2021	08:40:05	0.021
40	04/19/2021	08:41:05	0.016
41	04/19/2021	08:42:05	0.016
42	04/19/2021	08:43:05	0.015
43	04/19/2021	08:44:05	0.018
44	04/19/2021	08:45:05	0.018
45	04/19/2021	08:46:05	0.017
46	04/19/2021	08:47:05	0.017
47	04/19/2021	08:48:05	0.017
48	04/19/2021	08:49:05	0.018
49	04/19/2021	08:50:05	0.018
50	04/19/2021	08:51:05	0.018
51	04/19/2021	08:52:05	0.016
52	04/19/2021	08:53:05	0.018
53	04/19/2021	08:54:05	0.021
54	04/19/2021	08:55:05	0.022
55	04/19/2021	08:56:05	0.020
56	04/19/2021	08:57:05	0.040
57	04/19/2021	08:58:05	0.018
58	04/19/2021	08:59:05	0.017
59	04/19/2021	09:00:05	0.017
60	04/19/2021	09:01:05	0.020
61	04/19/2021	09:02:05	0.020
62	04/19/2021	09:03:05	0.020
63	04/19/2021	09:04:05	0.019
64	04/19/2021	09:05:05	0.017
65	04/19/2021	09:06:05	0.017
66	04/19/2021	09:07:05	0.017
67	04/19/2021	09:08:05	0.017
68	04/19/2021	09:09:05	0.016
69	04/19/2021	09:10:05	0.016
70	04/19/2021	09:11:05	0.018
71	04/19/2021	09:12:05	0.016
72	04/19/2021	09:13:05	0.016
73	04/19/2021	09:14:05	0.015
74	04/19/2021	09:15:05	0.016
75	04/19/2021	09:16:05	0.015
76	04/19/2021	09:17:05	0.015
77	04/19/2021	09:18:05	0.017
78	04/19/2021	09:19:05	0.016
79	04/19/2021	09:20:05	0.017
80	04/19/2021	09:21:05	0.016
81	04/19/2021	09:22:05	0.016

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
82	04/19/2021	09:23:05	0.015
83	04/19/2021	09:24:05	0.017
84	04/19/2021	09:25:05	0.015
85	04/19/2021	09:26:05	0.014
86	04/19/2021	09:27:05	0.013
87	04/19/2021	09:28:05	0.013
88	04/19/2021	09:29:05	0.013
89	04/19/2021	09:30:05	0.013
90	04/19/2021	09:31:05	0.014
91	04/19/2021	09:32:05	0.014
92	04/19/2021	09:33:05	0.012
93	04/19/2021	09:34:05	0.013
94	04/19/2021	09:35:05	0.013
95	04/19/2021	09:36:05	0.013
96	04/19/2021	09:37:05	0.013
97	04/19/2021	09:38:05	0.013
98	04/19/2021	09:39:05	0.013
99	04/19/2021	09:40:05	0.012
100	04/19/2021	09:41:05	0.012
101	04/19/2021	09:42:05	0.035
102	04/19/2021	09:43:05	0.043
103	04/19/2021	09:44:05	0.020
104	04/19/2021	09:45:05	0.021
105	04/19/2021	09:46:05	0.025
106	04/19/2021	09:47:05	0.024
107	04/19/2021	09:48:05	0.029
108	04/19/2021	09:49:05	0.020
109	04/19/2021	09:50:05	0.012
110	04/19/2021	09:51:05	0.013
111	04/19/2021	09:52:05	0.013
112	04/19/2021	09:53:05	0.012
113	04/19/2021	09:54:05	0.011
114	04/19/2021	09:55:05	0.013
115	04/19/2021	09:56:05	0.012
116	04/19/2021	09:57:05	0.030
117	04/19/2021	09:58:05	0.026
118	04/19/2021	09:59:05	0.013
119	04/19/2021	10:00:05	0.012
120	04/19/2021	10:01:05	0.015
121	04/19/2021	10:02:05	0.015
122	04/19/2021	10:03:05	0.020
123	04/19/2021	10:04:05	0.015
124	04/19/2021	10:05:05	0.012
125	04/19/2021	10:06:05	0.014
126	04/19/2021	10:07:05	0.012
127	04/19/2021	10:08:05	0.011

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
128	04/19/2021	10:09:05	0.011
129	04/19/2021	10:10:05	0.012
130	04/19/2021	10:11:05	0.011
131	04/19/2021	10:12:05	0.011
132	04/19/2021	10:13:05	0.013
133	04/19/2021	10:14:05	0.010
134	04/19/2021	10:15:05	0.010
135	04/19/2021	10:16:05	0.012
136	04/19/2021	10:17:05	0.015
137	04/19/2021	10:18:05	0.015
138	04/19/2021	10:19:05	0.012
139	04/19/2021	10:20:05	0.011
140	04/19/2021	10:21:05	0.011
141	04/19/2021	10:22:05	0.014
142	04/19/2021	10:23:05	0.012
143	04/19/2021	10:24:05	0.012
144	04/19/2021	10:25:05	0.013
145	04/19/2021	10:26:05	0.011
146	04/19/2021	10:27:05	0.012
147	04/19/2021	10:28:05	0.012
148	04/19/2021	10:29:05	0.012
149	04/19/2021	10:30:05	0.017
150	04/19/2021	10:31:05	0.020
151	04/19/2021	10:32:05	0.011
152	04/19/2021	10:33:05	0.012
153	04/19/2021	10:34:05	0.011
154	04/19/2021	10:35:05	0.012
155	04/19/2021	10:36:05	0.015
156	04/19/2021	10:37:05	0.013
157	04/19/2021	10:38:05	0.011
158	04/19/2021	10:39:05	0.010
159	04/19/2021	10:40:05	0.010
160	04/19/2021	10:41:05	0.010
161	04/19/2021	10:42:05	0.010
162	04/19/2021	10:43:05	0.010
163	04/19/2021	10:44:05	0.010
164	04/19/2021	10:45:05	0.013
165	04/19/2021	10:46:05	0.012
166	04/19/2021	10:47:05	0.011
167	04/19/2021	10:48:05	0.012
168	04/19/2021	10:49:05	0.011
169	04/19/2021	10:50:05	0.019
170	04/19/2021	10:51:05	0.011
171	04/19/2021	10:52:05	0.011
172	04/19/2021	10:53:05	0.010
173	04/19/2021	10:54:05	0.010

Test Data			
Data Point	Date	Time	AEROSOL mg/m³
174	04/19/2021	10:55:05	0.010
175	04/19/2021	10:56:05	0.011
176	04/19/2021	10:57:05	0.012
177	04/19/2021	10:58:05	0.017
178	04/19/2021	10:59:05	0.012
179	04/19/2021	11:00:05	0.011
180	04/19/2021	11:01:05	0.012
181	04/19/2021	11:02:05	0.018
182	04/19/2021	11:03:05	0.012
183	04/19/2021	11:04:05	0.010
184	04/19/2021	11:05:05	0.010
185	04/19/2021	11:06:05	0.010

Test 082

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/19/2021
Instrument S/N	8530114002	Start Time	07:07:27
		Stop Date	04/19/2021
		Stop Time	08:01:27
		Total Time	0:00:54:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	04/19/2021	07:08:27	0.041
2	04/19/2021	07:09:27	0.039
3	04/19/2021	07:10:27	0.039
4	04/19/2021	07:11:27	0.039
5	04/19/2021	07:12:27	0.038
6	04/19/2021	07:13:27	0.039
7	04/19/2021	07:14:27	0.040
8	04/19/2021	07:15:27	0.043
9	04/19/2021	07:16:27	0.046
10	04/19/2021	07:17:27	0.044
11	04/19/2021	07:18:27	0.043
12	04/19/2021	07:19:27	0.044
13	04/19/2021	07:20:27	0.047
14	04/19/2021	07:21:27	0.046
15	04/19/2021	07:22:27	0.044
16	04/19/2021	07:23:27	0.043
17	04/19/2021	07:24:27	0.041
18	04/19/2021	07:25:27	0.041
19	04/19/2021	07:26:27	0.037
20	04/19/2021	07:27:27	0.040
21	04/19/2021	07:28:27	0.039
22	04/19/2021	07:29:27	0.037
23	04/19/2021	07:30:27	0.035
24	04/19/2021	07:31:27	0.039
25	04/19/2021	07:32:27	0.040
26	04/19/2021	07:33:27	0.041
27	04/19/2021	07:34:27	0.041
28	04/19/2021	07:35:27	0.043
29	04/19/2021	07:36:27	0.058
30	04/19/2021	07:37:27	0.041
31	04/19/2021	07:38:27	0.042
32	04/19/2021	07:39:27	0.047
33	04/19/2021	07:40:27	0.048
34	04/19/2021	07:41:27	0.050
35	04/19/2021	07:42:27	0.051

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
36	04/19/2021	07:43:27	0.051
37	04/19/2021	07:44:27	0.051
38	04/19/2021	07:45:27	0.049
39	04/19/2021	07:46:27	0.048
40	04/19/2021	07:47:27	0.046
41	04/19/2021	07:48:27	0.047
42	04/19/2021	07:49:27	0.046
43	04/19/2021	07:50:27	0.047
44	04/19/2021	07:51:27	0.043
45	04/19/2021	07:52:27	0.048
46	04/19/2021	07:53:27	0.053
47	04/19/2021	07:54:27	0.053
48	04/19/2021	07:55:27	0.051
49	04/19/2021	07:56:27	0.048
50	04/19/2021	07:57:27	0.049
51	04/19/2021	07:58:27	0.236
52	04/19/2021	07:59:27	0.377
53	04/19/2021	08:00:27	0.148
54	04/19/2021	08:01:27	0.089

Test 083

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/19/2021
Instrument S/N	8530114002	Start Time	08:01:35
		Stop Date	04/19/2021
		Stop Time	11:02:35
		Total Time	0:03:01:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	04/19/2021	08:02:35	0.212
2	04/19/2021	08:03:35	0.197
3	04/19/2021	08:04:35	0.135
4	04/19/2021	08:05:35	0.035
5	04/19/2021	08:06:35	0.032
6	04/19/2021	08:07:35	0.031
7	04/19/2021	08:08:35	0.032
8	04/19/2021	08:09:35	0.033
9	04/19/2021	08:10:35	0.033
10	04/19/2021	08:11:35	0.032
11	04/19/2021	08:12:35	0.033
12	04/19/2021	08:13:35	0.034
13	04/19/2021	08:14:35	0.032
14	04/19/2021	08:15:35	0.035
15	04/19/2021	08:16:35	0.035
16	04/19/2021	08:17:35	0.038
17	04/19/2021	08:18:35	0.038
18	04/19/2021	08:19:35	0.035
19	04/19/2021	08:20:35	0.033
20	04/19/2021	08:21:35	0.035
21	04/19/2021	08:22:35	0.036
22	04/19/2021	08:23:35	0.037
23	04/19/2021	08:24:35	0.037
24	04/19/2021	08:25:35	0.038
25	04/19/2021	08:26:35	0.037
26	04/19/2021	08:27:35	0.039
27	04/19/2021	08:28:35	0.034
28	04/19/2021	08:29:35	0.035
29	04/19/2021	08:30:35	0.035
30	04/19/2021	08:31:35	0.035
31	04/19/2021	08:32:35	0.034
32	04/19/2021	08:33:35	0.032
33	04/19/2021	08:34:35	0.034
34	04/19/2021	08:35:35	0.034
35	04/19/2021	08:36:35	0.031

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
36	04/19/2021	08:37:35	0.031
37	04/19/2021	08:38:35	0.031
38	04/19/2021	08:39:35	0.030
39	04/19/2021	08:40:35	0.027
40	04/19/2021	08:41:35	0.029
41	04/19/2021	08:42:35	0.025
42	04/19/2021	08:43:35	0.026
43	04/19/2021	08:44:35	0.030
44	04/19/2021	08:45:35	0.026
45	04/19/2021	08:46:35	0.026
46	04/19/2021	08:47:35	0.027
47	04/19/2021	08:48:35	0.028
48	04/19/2021	08:49:35	0.028
49	04/19/2021	08:50:35	0.028
50	04/19/2021	08:51:35	0.025
51	04/19/2021	08:52:35	0.026
52	04/19/2021	08:53:35	0.033
53	04/19/2021	08:54:35	0.034
54	04/19/2021	08:55:35	0.032
55	04/19/2021	08:56:35	0.030
56	04/19/2021	08:57:35	0.027
57	04/19/2021	08:58:35	0.027
58	04/19/2021	08:59:35	0.030
59	04/19/2021	09:00:35	0.030
60	04/19/2021	09:01:35	0.031
61	04/19/2021	09:02:35	0.033
62	04/19/2021	09:03:35	0.029
63	04/19/2021	09:04:35	0.034
64	04/19/2021	09:05:35	0.027
65	04/19/2021	09:06:35	0.028
66	04/19/2021	09:07:35	0.027
67	04/19/2021	09:08:35	0.026
68	04/19/2021	09:09:35	0.026
69	04/19/2021	09:10:35	0.027
70	04/19/2021	09:11:35	0.027
71	04/19/2021	09:12:35	0.026
72	04/19/2021	09:13:35	0.032
73	04/19/2021	09:14:35	0.033
74	04/19/2021	09:15:35	0.026
75	04/19/2021	09:16:35	0.026
76	04/19/2021	09:17:35	0.027
77	04/19/2021	09:18:35	0.027
78	04/19/2021	09:19:35	0.028
79	04/19/2021	09:20:35	0.027
80	04/19/2021	09:21:35	0.026
81	04/19/2021	09:22:35	0.026

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
82	04/19/2021	09:23:35	0.029
83	04/19/2021	09:24:35	0.027
84	04/19/2021	09:25:35	0.026
85	04/19/2021	09:26:35	0.024
86	04/19/2021	09:27:35	0.024
87	04/19/2021	09:28:35	0.024
88	04/19/2021	09:29:35	0.024
89	04/19/2021	09:30:35	0.024
90	04/19/2021	09:31:35	0.026
91	04/19/2021	09:32:35	0.024
92	04/19/2021	09:33:35	0.023
93	04/19/2021	09:34:35	0.023
94	04/19/2021	09:35:35	0.023
95	04/19/2021	09:36:35	0.024
96	04/19/2021	09:37:35	0.024
97	04/19/2021	09:38:35	0.024
98	04/19/2021	09:39:35	0.023
99	04/19/2021	09:40:35	0.022
100	04/19/2021	09:41:35	0.033
101	04/19/2021	09:42:35	0.057
102	04/19/2021	09:43:35	0.046
103	04/19/2021	09:44:35	0.039
104	04/19/2021	09:45:35	0.033
105	04/19/2021	09:46:35	0.029
106	04/19/2021	09:47:35	0.047
107	04/19/2021	09:48:35	0.049
108	04/19/2021	09:49:35	0.025
109	04/19/2021	09:50:35	0.023
110	04/19/2021	09:51:35	0.024
111	04/19/2021	09:52:35	0.023
112	04/19/2021	09:53:35	0.022
113	04/19/2021	09:54:35	0.022
114	04/19/2021	09:55:35	0.022
115	04/19/2021	09:56:35	0.025
116	04/19/2021	09:57:35	0.051
117	04/19/2021	09:58:35	0.031
118	04/19/2021	09:59:35	0.023
119	04/19/2021	10:00:35	0.023
120	04/19/2021	10:01:35	0.028
121	04/19/2021	10:02:35	0.024
122	04/19/2021	10:03:35	0.026
123	04/19/2021	10:04:35	0.023
124	04/19/2021	10:05:35	0.024
125	04/19/2021	10:06:35	0.023
126	04/19/2021	10:07:35	0.022
127	04/19/2021	10:08:35	0.022

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
128	04/19/2021	10:09:35	0.022
129	04/19/2021	10:10:35	0.022
130	04/19/2021	10:11:35	0.022
131	04/19/2021	10:12:35	0.022
132	04/19/2021	10:13:35	0.021
133	04/19/2021	10:14:35	0.021
134	04/19/2021	10:15:35	0.022
135	04/19/2021	10:16:35	0.024
136	04/19/2021	10:17:35	0.023
137	04/19/2021	10:18:35	0.024
138	04/19/2021	10:19:35	0.022
139	04/19/2021	10:20:35	0.022
140	04/19/2021	10:21:35	0.024
141	04/19/2021	10:22:35	0.025
142	04/19/2021	10:23:35	0.022
143	04/19/2021	10:24:35	0.023
144	04/19/2021	10:25:35	0.023
145	04/19/2021	10:26:35	0.024
146	04/19/2021	10:27:35	0.022
147	04/19/2021	10:28:35	0.026
148	04/19/2021	10:29:35	0.022
149	04/19/2021	10:30:35	0.027
150	04/19/2021	10:31:35	0.023
151	04/19/2021	10:32:35	0.022
152	04/19/2021	10:33:35	0.025
153	04/19/2021	10:34:35	0.022
154	04/19/2021	10:35:35	0.023
155	04/19/2021	10:36:35	0.026
156	04/19/2021	10:37:35	0.023
157	04/19/2021	10:38:35	0.021
158	04/19/2021	10:39:35	0.021
159	04/19/2021	10:40:35	0.021
160	04/19/2021	10:41:35	0.021
161	04/19/2021	10:42:35	0.021
162	04/19/2021	10:43:35	0.021
163	04/19/2021	10:44:35	0.024
164	04/19/2021	10:45:35	0.049
165	04/19/2021	10:46:35	0.026
166	04/19/2021	10:47:35	0.023
167	04/19/2021	10:48:35	0.031
168	04/19/2021	10:49:35	0.024
169	04/19/2021	10:50:35	0.022
170	04/19/2021	10:51:35	0.022
171	04/19/2021	10:52:35	0.021
172	04/19/2021	10:53:35	0.021
173	04/19/2021	10:54:35	0.020

Test Data			
Data Point	Date	Time	AEROSOL mg/m³
174	04/19/2021	10:55:35	0.020
175	04/19/2021	10:56:35	0.020
176	04/19/2021	10:57:35	0.023
177	04/19/2021	10:58:35	0.024
178	04/19/2021	10:59:35	0.021
179	04/19/2021	11:00:35	0.022
180	04/19/2021	11:01:35	0.023
181	04/19/2021	11:02:35	0.027

28 May 2021

Charles Post
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**Re: Brooklyn Navy Yard – Building 22 and 25
63 Flushing Avenue
Brooklyn, New York
Langan Project No.: 170650301**

Dear Mr. Post:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) completed oversight documentation for the excavation to install fencing within Warrington Avenue between Buildings 22 and 25 in the Brooklyn Navy Yard (BNY) Industrial Park (the site). The investigative work was performed by Forrester Fencing Co. (the Contractor) on three days between 10 March and 23 April 2021. This report documents environmental oversight completed during ground-intrusive construction activities in accordance with the June 2018 New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) prepared by CORE Environmental Consultants, Inc. A work notification was provided to NYSDEC on 11 February 2021; a copy is included in Attachment 1.

The site is located at 63 Flushing Avenue in Brooklyn, New York and occupies a portion of Borough of Brooklyn Tax Block 2023, Lot 1. The site is about 28,250 square feet and is bound by 3rd Street to the northwest, a three-story building followed by McDonough Avenue to the northeast, 4th Street to the south, and a two- to six-story building followed by Chauncey Avenue to the west. A site location map is provided as Figure 1.

SCOPE OF WORK

Work performed in the street outside of BNY Buildings 22 and 25, under the observation of a Langan field representative, included the following:

- Excavated 31 1.5-foot-diameter post holes to about 3 feet below grade surface (bgs);
- Installed fence posts and constructed a new fence;
- Completed waste characterization sampling of excess soil;
- Transported and disposed of excess soil off-site; and
- Restored the cover system.

SMP COMPLIANCE

Excavation

Langan was present during ground-intrusive activities to document compliance with the SMP. Intrusive work that disturbed the cover system and underlying soil (including any modifications or repairs to the existing cover system) were performed in compliance with the Excavation Work Plan (EWP), Appendix A of the SMP. The following compliance activities were conducted at the site:

- Excavated soil was screened with a photoionization detector (PID). No contamination was noted, and where possible the soil was placed back into the excavation from where it originated.
- Excess soil generated during excavation was stockpiled in plastic bags and sampled for off-site disposal. The Contractor obtained disposal facility approval and disposed of the excess material off-site at a permitted disposal facility.
- No observably contaminated soils were identified during site activities.
- Exposed soil was temporarily covered with a construction cone prior to leaving the site each day.
- After completion of intrusive activities, the site cover was restored with concrete.

The excavation areas are shown on Figure 2. Daily site observation reports documenting compliance with the SMP are provided as Attachment 2 and a photograph log is provided as Attachment 3.

Community Monitoring Air Plan

The Community Air Monitoring Plan (CAMP) was implemented during ground-intrusive construction activities on 10 March 2021 and 11 March 2021 and included work area perimeter air monitoring to document particulate (dust) concentrations. Prior to the daily start of intrusive work, one CAMP station was situated upwind for 15 minutes to collect a baseline 15-minute time-weighted average, and then moved downwind of intrusive activities to collect comparative data. The CAMP enclosure was set up daily during ground-intrusive activities. The CAMP enclosure consisted of a TSI Dustrak® II mounted on a tri-pod with the intake at an average breathing height of about 4 to 5 feet above ground surface. Particulate matter concentrations less than ten microns in diameter (PM10) were recorded every minute throughout the duration of site work.

No particulates associated with impacted soil were observed migrating from the property. Particulate concentrations exceeding the 15-minute time-weighted average of the upwind levels were not observed.

Results of community air monitoring are provided in Attachment 4.

Imported Material

Material was not imported for use as backfill.

Transport and Off-Site Disposal

Excess soil generated during excavation was characterized prior to disposal. Langan collected one waste characterization sample on 11 March 2021 per disposal facility requirements from the excess soil stored in plastic bags from the post-hole excavation areas; laboratory data is included in Attachment 5. The excess soil (2.9 tons) was manifested and disposed of at a permitted facility (Clean Earth of Carteret in Carteret, New Jersey) on 23 April 2021. Disposal documentation is included in Attachment 6.

Cover System Restoration

The cover system was restored following excavating and fence construction activities and consisted of asphalt-paved parking lot and concrete at completed post-hole locations. The restored cover system is shown on Figure 3.

CLOSING

Work observed by Langan was completed in accordance with the June 2018 SMP. At the completion of ground-intrusive activities, areas of site-wide cover disturbance were restored. Should you have any questions regarding the findings presented in this report, please do not hesitate to contact the undersigned.

Sincerely,

**Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.**



Jason Hayes, PE, LEED AP
Principal/Vice President

Enclosure(s):

Figure 1 – Site Location Map

Figure 2 – Excavation Map

Figure 3 – Site Cover Map

Attachment 1 – NYSDEC Work Notifications

Attachment 2 – Daily Site Observation Reports

Attachment 3 – Photograph Log

Attachment 4 – Community Air Monitoring Plan Data
Attachment 5 – Laboratory Reports
Attachment 6 – Material Disposal Documentation

Cc: P. McMahon, D. Palazzolo (Langan)

\\langan.com\data\NYC\data3\170650301\Project Data_Discipline\Environmental\Reports\Closure Report\Text\2021.05.28 BNY Fence Post Closure Report.docx

FIGURES



REFERENCE BASE MAP OBTAINED FROM THE U.S.G.S BROOKLYN TOPOGRAPHIC QUADRANGLE MAP, DATED 1967, AND PHOTOREVISED IN 1979.



<p>21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com</p> <p>Langan Engineering, Environmental, Surveying and Landscapes Architecture, D.P.C. Langan Engineering and Environmental Services, Inc. Langan CT, Inc. Langan International LLC Collectively known as Langan</p>	Project	Drawing Title	Project No.	Figure			
	<p>BROOKLYN NAVY YARD - BUILDING 22 AND 25</p> <p>BLOCK No. 2023, PORTION OF LOT No. 1</p> <p>BROOKLYN NEW YORK</p>		<p>SITE LOCATION MAP</p>		170650301	1	
					Date		MAY 2021
					Scale		NTS
					Drawn By		Checked By
Submission Date	PM						



Legend

-  Approximate Site Boundary
-  Approximate location of 31 1.5-foot-diameter fence post excavations to about 3 feet bgs



Notes:

1. Aerial imagery provided through Langan's subscription to Near Map, dated 03/12/2021.
2. bgs = below grade surface
3. All excavation areas are approximate.

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Project

**BROOKLYN NAVY YARD
 BUILDING 22 AND 25**

BROOKLYN

NEW YORK

Figure Title

EXCAVATION MAP

Project No.
170650301

Date
5/18/2021

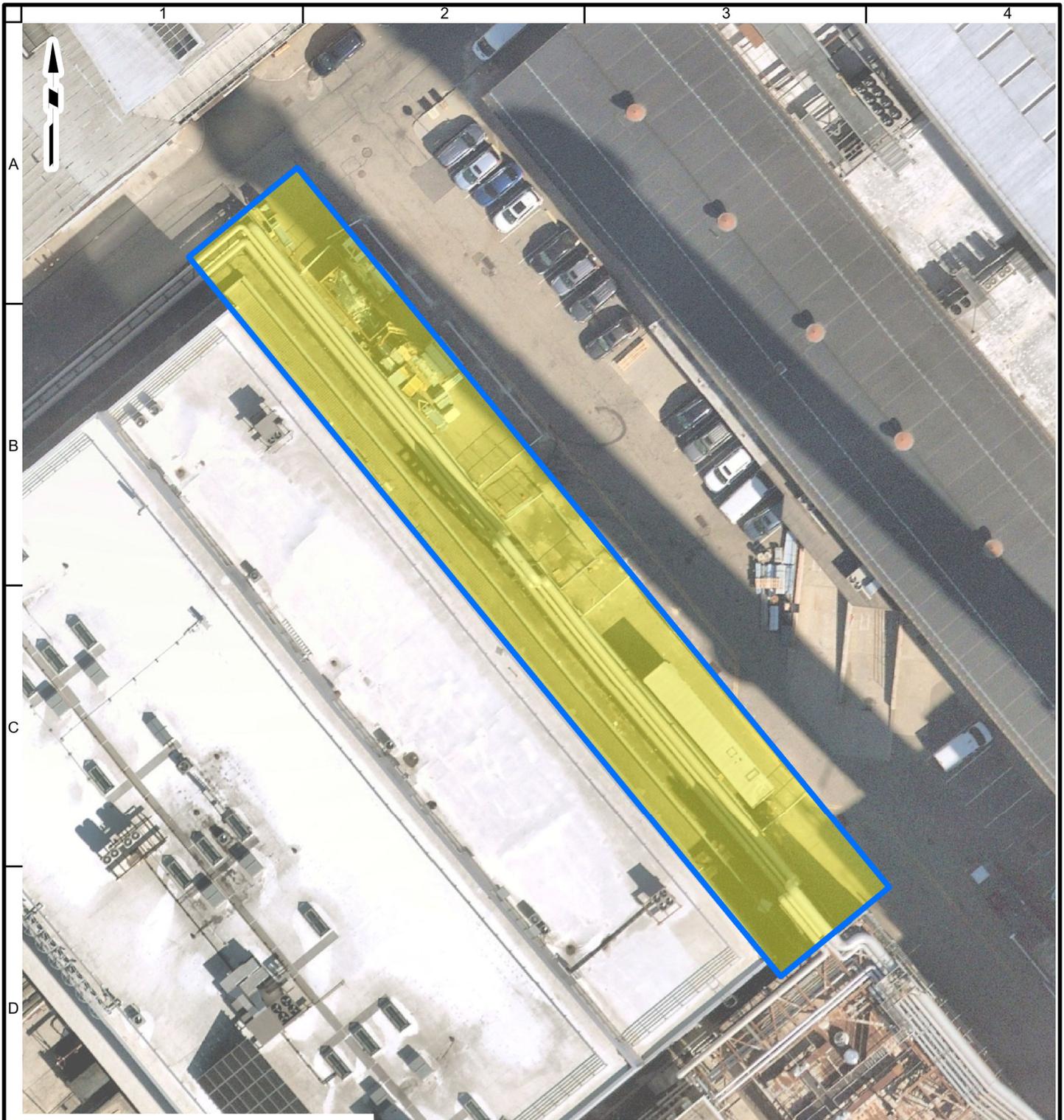
Scale
1"=40'

Drawn By
MG

Submission Date

Figure No.

2



Legend

- Approximate Site Boundary
- Approximate extent of asphalt parking lot and concrete patch



Notes:

1. Aerial imagery provided through Langan's subscription to Near Map, dated 03/12/2021.
2. bgs = below grade surface
3. All patched locations are approximate.

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**BROOKLYN NAVY YARD
 BUILDING 22 AND 25**

BROOKLYN

NEW YORK

Figure Title

SITE COVER MAP

Project No.

170650301

Date

5/14/2021

Scale

1"=40'

Drawn By

MG

Submission Date

Figure No.

3

ATTACHMENTS

ATTACHMENT 1

NYSDEC WORK NOTIFICATIONS

February 11, 2021

Mr. Charles Post
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

**RE: NYSDEC Work Notification
Brooklyn Navy Yard – Fence Installation (Buildings 22/25)
Brooklyn, New York
Langan Project No.: 170650301**

Dear Mr. Post,

In accordance with the June 29, 2018 Site Management Plan (SMP), the New York State Department of Environmental Conservation (NYSDEC) must be notified 15 days prior to any new proposed ground-intrusive activities. Langan prepared this letter to notify NYSDEC of a new project to include the planned excavation to install fencing between Building 22 and Building 25 in the Brooklyn Navy Yard (BNY) Industrial Park. Excavation is anticipated within Warrington Avenue and the adjoining sidewalk adjacent to Building 25. This letter describes the scope of work for the intrusive activities and SMP compliance activities that will be conducted during the work.

SCOPE OF WORK

The work will be performed in Warrington Avenue and the adjoining sidewalk adjacent to Building 25 (between Buildings 22 and 25) under the direct supervision of Langan field personnel. The intrusive work consists of excavation of about 30 fence post holes with a jackhammer and hand tools to between 2.5 and 3 feet below grade surface. Fence posts will be installed within each hole.

The work area is shown in the attached Work Area Plans.

SMP COMPLIANCE

Any intrusive work that will penetrate the soil cover or cap, or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system will be performed in compliance with the Excavation Work Plan (EWP) and Health and Safety Plan (HASP), Appendices E and F of the SMP respectively, and Title 29 of the Code of Federal Regulations Part 1910.120. The following compliance activities will be performed at the site:

- The Community Air Monitoring Plan (CAMP) will be implemented in the work area perimeter during ground-intrusive activities;
- Soils will be screened with a photoionization detector (PID) – If no contamination is noted, the soil will be placed back into the excavation from where it originated and reused to the extent practicable;
- Contaminated soils identified by visual, olfactory, and/or elevated PID readings will be segregated and sampled for off-site disposal;
- Excess soils will be stockpiled, sampled, and disposed of at a permitted off-site disposal facility;
- Proposed import material will be submitted to NYSDEC for approval prior to import (no import is anticipated); and
- After the completion of soil removal and any other invasive activities, the cover system will be restored.

SCHEDULE

The intrusive work is scheduled to begin with NYSDEC approval and last approximately 1 week. Langan will provide environmental oversight during intrusive activities and document completion of work with a closure report.

Please contact me at 212-479-5427 if you have any questions.

Sincerely,

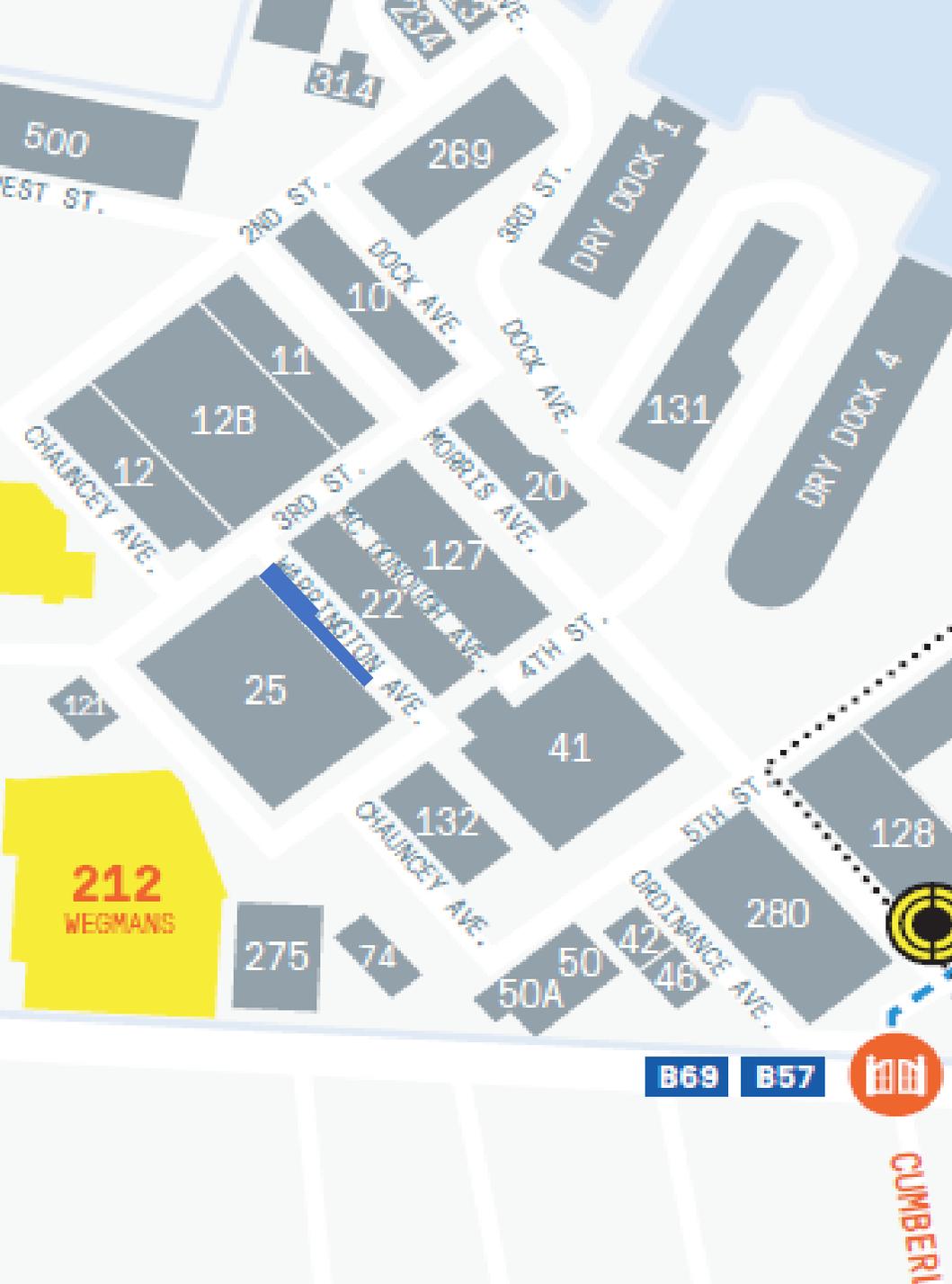
**Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C**



Jason J. Hayes
Principal/Vice President

Enclosure(s):
Attachment 1 – Work Area Plans

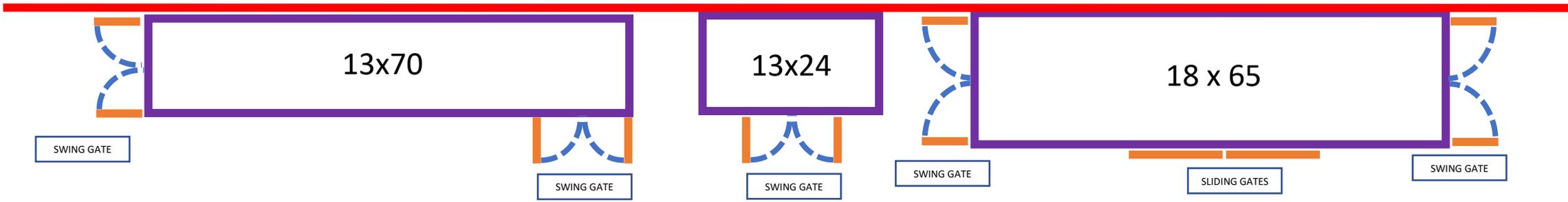
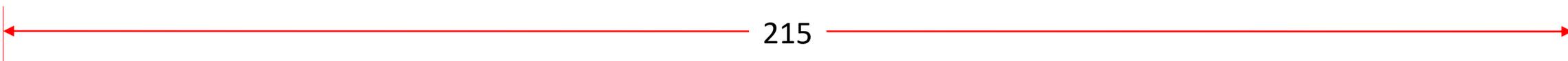
cc: P. McMahan-Langan
D. Douglas – National Elevator Cab and Door Corp.



Forrester Fence Co.,
Inc. 482 Chester St
Brooklyn, NY 11212
Call (718) 385-4915 Fax
(718) 485-9861
ForresterFence.com

To whom it may concern,

Forrester Fence has been awarded the project to complete the fence installation on Warrington Ave across from Building 22. The work consists of creating 3 separate enclosures with a series of gates to allow access entry. Line post will be dug to approximately 30". Terminal/Gate post approximately 36". Line posts will be spaced at a maximum of 10'. We are estimating approximately 30 holes to be dug using a mix of jackhammer and hand tools. We expect to excavate less than 5 yards of soil, the installation should last approximately 1 week. We have reviewed the health and safety guidelines and will be using trained employees.



- EXISTING FENCE
- NEW FENCE
- DOORWAYS

ATTACHMENT 2

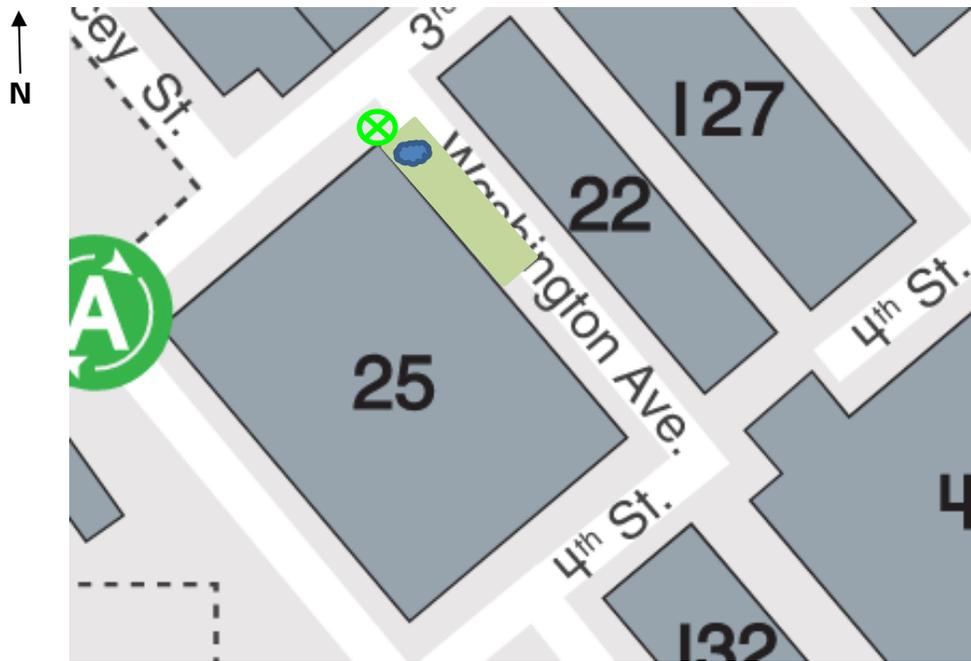
DAILY SITE OBSERVATION REPORTS

SITE OBSERVATION REPORT

PROJECT No.: 170650301	CLIENT: National Elevator Cab & Door Corp.	DATE: Wednesday, March 10, 2021
PROJECT: Brooklyn Navy Yard Building 22 and 25		WEATHER: 44-53°F, Sunny Wind: SE @ 5-10 mph
LOCATION: Brooklyn, New York VCP Site ID: V00120		TIME: 08:00 – 17:00
CONTRACTOR: Forrester Fencing Co.		Monitor: Tyler Zorn
CONTRACTOR'S EQUIPMENT: Hand Shovels/Tools Wheelbarrow Electric Jackhammer Little Beaver UN-towable Hydraulic Earth Drill	PRESENT AT SITE: Tyler Zorn, Seyena Simpson – Langan DJ – Forrester Fencing Co.	
OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.: Langan was present to observe environmental protocols in accordance with the Site Management Plan for the Brooklyn Navy Yard Industrial Park.		
Site Activities <ul style="list-style-type: none">Forrester Fencing Co. (Forrester) used an electric jackhammer, Little Beaver UN-towable Hydraulic Earth Drill, and hand tools to excavate twenty 1.5 foot wide by 3 feet deep holes between Building 22 and Building 25 for fence post installation.<ul style="list-style-type: none">Forrester containerized excavated asphalt and soil into 45 gallon plastic bags.Forrester installed 20 fence posts in excavated holes with poured concrete mix.Langan screened the soil for visual, olfactory, and photoionization detector (PID) evidence of contamination and collected soil samples for laboratory analysis. Evidence of petroleum-like impacts was not observed.		
Material Tracking <ul style="list-style-type: none">No material was imported to the site.No material was exported from the site.		
Sampling <ul style="list-style-type: none">No samples were taken.		
CAMP Activities <ul style="list-style-type: none">Langan performed on-site air monitoring during ground-intrusive activities. No exceedances occurred and no 15-minute average concentrations of particulate matter smaller than 10 microns in diameter (PM10) exceeded the action levels. No visible dust was observed leaving the site.		
Anticipated Activities <ul style="list-style-type: none">Forrester will continue to excavate holes between Building 22 and Building 25 for fence post installation.		

SITE OBSERVATION REPORT

FIGURE 1: SITE PLAN



Legend:

- CAMP Station
- Approximate Location of Work Area
- Approximate Location of Soil Bags

Photographs:



Photo 1: View of Forrester excavating holes for fence post installation (facing northwest)

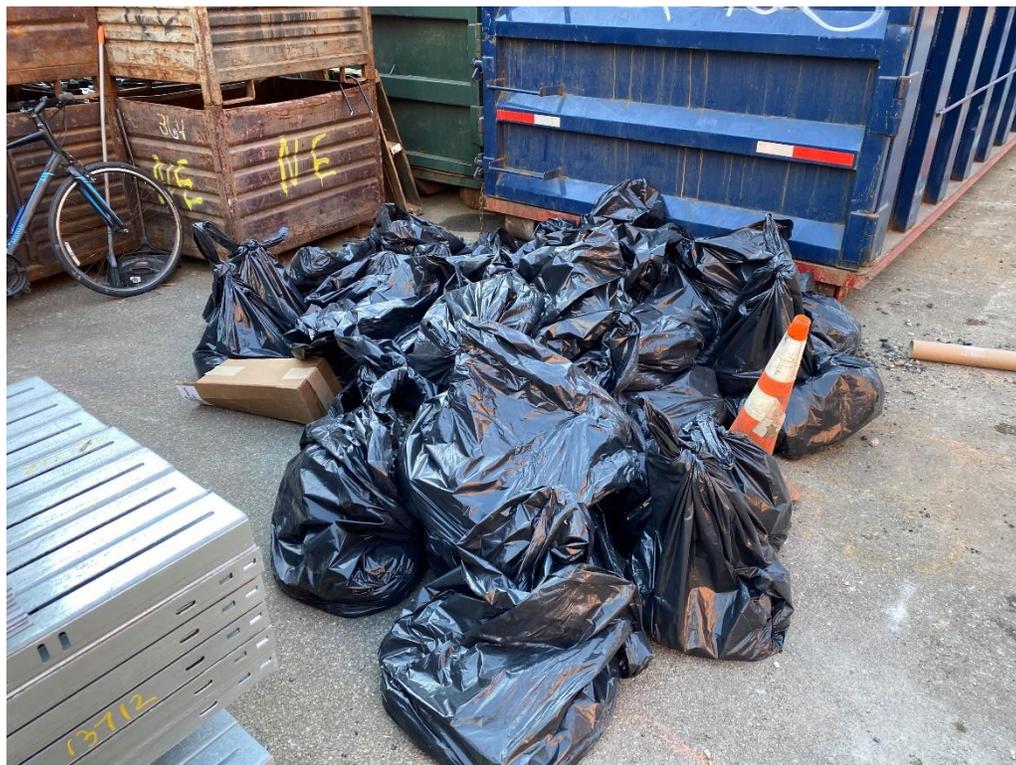


Photo 2: View of containerized excavated material (facing southwest)



Photo 3: View of containerized excavated material (facing south)

SITE OBSERVATION REPORT

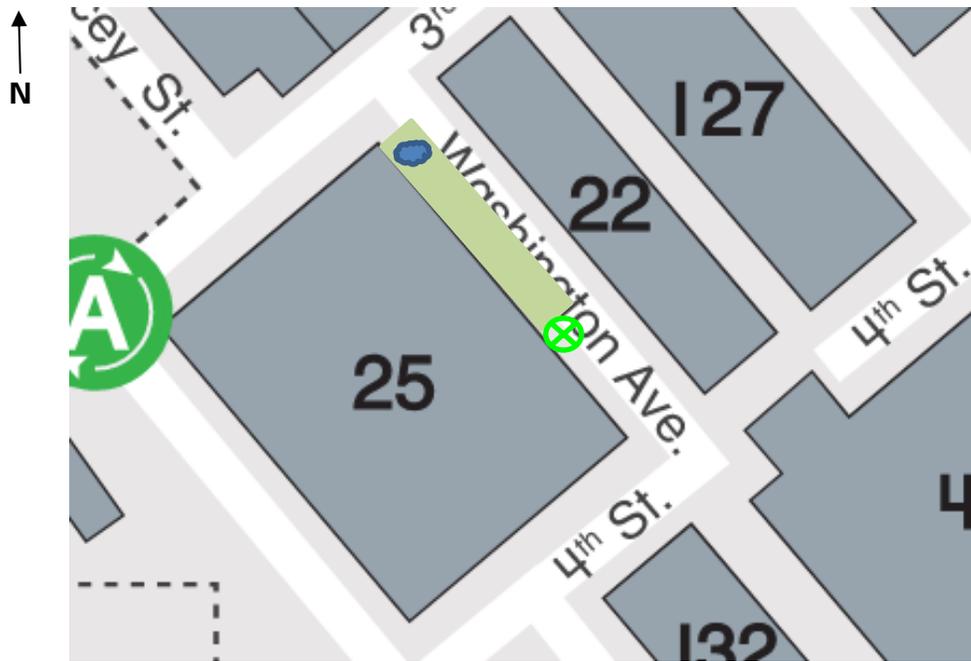
PROJECT No.: 170650301	CLIENT: National Elevator Cab & Door Corp.	DATE: Thursday, March 11, 2021
PROJECT: Brooklyn Navy Yard Building 22 and 25		WEATHER: 50-65°F, Sunny Wind: SSW @ 5-7 mph
LOCATION: Brooklyn, New York VCP Site ID: V00120		TIME: 08:00 – 14:30
CONTRACTOR: Forrester Fencing Co.		Monitor: Tyler Zorn
CONTRACTOR'S EQUIPMENT: Hand Shovels/Tools Wheelbarrow Electric Jackhammer Little Beaver UN-towable Hydraulic Earth Drill	PRESENT AT SITE: Tyler Zorn, Seyena Simpson – Langan DJ – Forrester Fencing Co.	
<p>OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.: Langan was present to observe environmental protocols in accordance with the Site Management Plan for the Brooklyn Navy Yard Industrial Park.</p> <p>Site Activities</p> <ul style="list-style-type: none"> • Forrester Fencing Co. (Forrester) used an electric jackhammer, Little Beaver UN-towable Hydraulic Earth Drill, and hand tools to excavate eleven approximately 1.5 feet wide by 3 feet deep holes between Building 22 and Building 25 for fence post installation. <ul style="list-style-type: none"> ○ Forrester containerized excavated asphalt and soil into 45-gallon plastic bags. • Forrester installed 11 fence posts in excavated holes with poured concrete mix. • Langan screened the soil for visual, olfactory, and photoionization detector (PID) evidence of contamination and collected soil samples for laboratory analysis. Evidence of petroleum-like impacts was not observed. <p>Material Tracking</p> <ul style="list-style-type: none"> • No material was imported to the site. • No material was exported from the site. <p>Sampling</p> <ul style="list-style-type: none"> • Langan collected one waste characterization soil sample set, consisting of one grab sample (GRAB01_031121) and one composite sample (COMP01_031121) from ten excavation areas across the site. The waste characterization samples were submitted to Alpha Analytical of Mansfield, Massachusetts, a New York State Department of Environmental Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory and analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), polychlorinated biphenyls (PCB), Pesticides/Herbicides, Part 375/Target Analyte List (TAL) Metals (including hexavalent chromium), total cyanide, extractable petroleum hydrocarbons (EPH), Resource Conservation and Recovery Act (RCRA) characteristics, and paint filter. <p>CAMP Activities</p> <ul style="list-style-type: none"> • Langan performed on-site air monitoring during ground-intrusive activities. No exceedances occurred and no 15-minute average concentrations of particulate matter smaller than 10 microns in diameter (PM10) exceeded the action levels. No visible dust was observed leaving the site. 		

Anticipated Activities

- Intrusive activities are complete and the site cap restored. Langan will return to the site to oversee removal of containerized excavated material for disposal at an approved facility.

SITE OBSERVATION REPORT

FIGURE 1: SITE PLAN



Legend:

-  CAMP Station
-  Approximate Location of Work Area
-  Approximate Location of Soil Bags

Photographs:



Photo 1: View of Forrester excavating holes for fence post installation (facing southwest)



Photo 2: View of containerized excavated material (facing southeast)



Photo 3: View of installed fence posts along the northern boundary of Building 25 (facing northwest)

ATTACHMENT 3

PHOTOGRAPH LOG

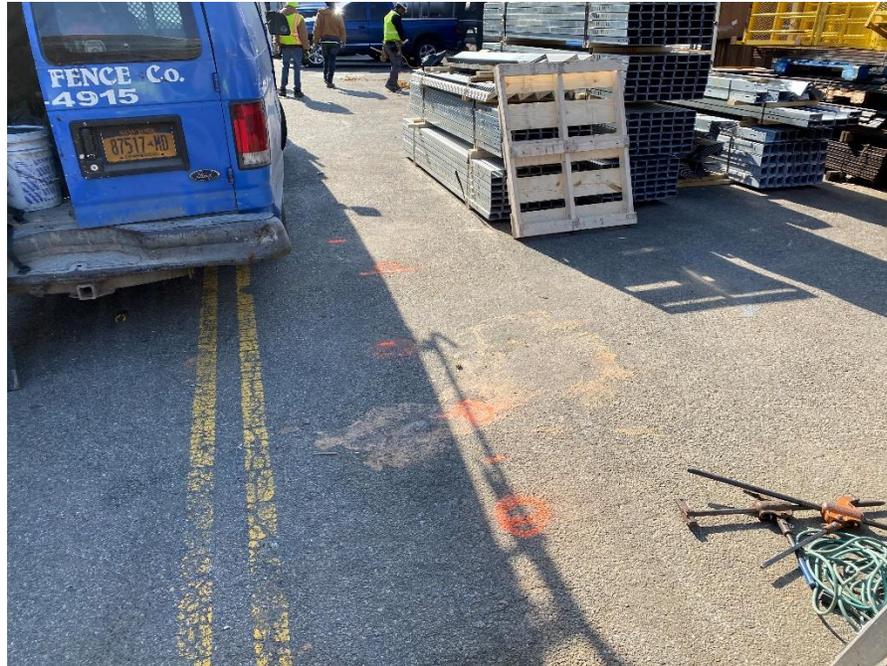


Photo 1: Markout of post-hole locations (facing northwest)– 3/10/2021



Photo 2: Community Monitoring Air Data (CAMP) station (facing southeast)– 3/10/2021



Photo 3: Post-hole digging (facing northwest) – 3/10/2021



Photo 4: Typical post-hole excavation – 3/10/2021



Photo 5: Typical post-hole excavation (facing north) – 3/10/2021



Photo 6: Excavated soil stockpiled in bags for future disposal (facing northwest) – 3/10/2021

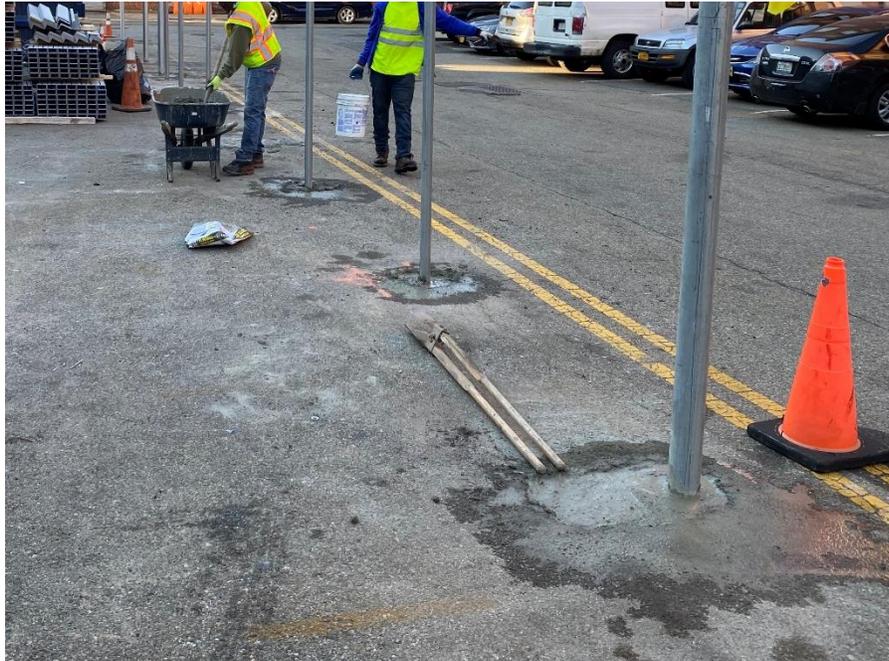


Photo 7: Concrete filled post-holes and restored site cap (facing northwest) – 3/10/2021



Photo 8: Installed fence with concrete filled post-holes and restored site cap (facing southwest) – 3/11/2021

ATTACHMENT 4

COMMUNITY AIR MONITORING PLAN DATA

Date: 3/10/2021
Observer: Tyler Zorn

Particulate Monitoring		
	1st 15-min TWA	Sidewalk
Minimum 15min Average	0.000	0.012
Maximum 15min Average	0.000	0.064
High Intervals "exceedances"	0	0
Minimum 1min Reading	N/A	0.011
Maximum 1min Reading	N/A	0.295

All reported particulate concentrations are in mg/m³ or milligrams per cubic meter and all reported organic vapor concentrations are in ppm or parts per million, unless specified otherwise.

March 10, 2021				
No. of Instances Where Sidewalk Particulates Exceeds Background Particulate + .150 mg/m ³ =				0
PARTICULATE DATA				
First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
9:14		0.033		
9:15		0.029		
9:16		0.027		
9:17		0.03		
9:18		0.03		
9:19		0.028		
9:20		0.029		
9:21		0.031		
9:22		0.032		
9:23		0.026		
9:24		0.028		
9:25		0.029		
9:26		0.031		
9:27		0.033		
9:28		0.032	0.030	
9:29	Break between work start and 15-min background average			
9:30	0.030	0.036	0.030	-
9:31	0.030	0.033	0.031	-
9:32	0.030	0.033	0.031	-
9:33	0.030	0.031	0.031	-
9:34	0.030	0.033	0.031	-
9:35	0.030	0.035	0.032	-
9:36	0.030	0.044	0.033	-
9:37	0.030	0.035	0.033	-
9:38	0.030	0.035	0.033	-
9:39	0.030	0.031	0.034	-
9:40	0.030	0.029	0.034	-
9:41	0.030	0.031	0.034	-
9:42	0.030	0.03	0.033	-
9:43	0.030	0.031	0.033	-
9:44	0.030	0.032	0.033	-
9:45	0.030	0.034	0.033	-
9:46	0.030	0.032	0.033	-
9:47	0.030	0.033	0.033	-
9:48	0.030	0.029	0.033	-
9:49	0.030	0.03	0.033	-
9:50	0.030	0.032	0.033	-
9:51	0.030	0.034	0.032	-
9:52	0.030	0.035	0.032	-
9:53	0.030	0.033	0.032	-
9:54	0.030	0.031	0.032	-
9:55	0.030	0.031	0.032	-
9:56	0.030	0.028	0.032	-
9:57	0.030	0.026	0.031	-
9:58	0.030	0.03	0.031	-
9:59	0.030	0.029	0.031	-
10:00	0.030	0.03	0.031	-
10:01	0.030	0.032	0.031	-
10:02	0.030	0.028	0.031	-
10:03	0.030	0.027	0.030	-
10:04	0.030	0.026	0.030	-
10:05	0.030	0.027	0.030	-
10:06	0.030	0.038	0.030	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
10:07	0.030	0.034	0.030	-
10:08	0.030	0.034	0.030	-
10:09	0.030	0.033	0.030	-
10:10	0.030	0.035	0.030	-
10:11	0.030	0.03	0.031	-
10:12	0.030	0.03	0.031	-
10:13	0.030	0.029	0.031	-
10:14	0.030	0.028	0.031	-
10:15	0.030	0.028	0.031	-
10:16	0.030	0.028	0.030	-
10:17	0.030	0.028	0.030	-
10:18	0.030	0.028	0.030	-
10:19	0.030	0.036	0.031	-
10:20	0.030	0.032	0.031	-
10:21	0.030	0.027	0.031	-
10:22	0.030	0.028	0.030	-
10:23	0.030	0.029	0.030	-
10:24	0.030	0.032	0.030	-
10:25	0.030	0.035	0.030	-
10:26	0.030	0.032	0.030	-
10:27	0.030	0.034	0.030	-
10:28	0.030	0.031	0.030	-
10:29	0.030	0.037	0.031	-
10:30	0.030	0.037	0.032	-
10:31	0.030	0.031	0.032	-
10:32	0.030	0.029	0.032	-
10:33	0.030	0.029	0.032	-
10:34	0.030	0.027	0.031	-
10:35	0.030	0.026	0.031	-
10:36	0.030	0.029	0.031	-
10:37	0.030	0.034	0.031	-
10:38	0.030	0.028	0.031	-
10:39	0.030	0.028	0.031	-
10:40	0.030	0.028	0.031	-
10:41	0.030	0.03	0.031	-
10:42	0.030	0.03	0.030	-
10:43	0.030	0.032	0.030	-
10:44	0.030	0.033	0.030	-
10:45	0.030	0.037	0.030	-
10:46	0.030	0.029	0.030	-
10:47	0.030	0.029	0.030	-
10:48	0.030	0.026	0.030	-
10:49	0.030	0.025	0.030	-
10:50	0.030	0.025	0.030	-
10:51	0.030	0.026	0.029	-
10:52	0.030	0.029	0.029	-
10:53	0.030	0.029	0.029	-
10:54	0.030	0.03	0.029	-
10:55	0.030	0.027	0.029	-
10:56	0.030	0.031	0.029	-
10:57	0.030	0.032	0.029	-
10:58	0.030	0.03	0.029	-
10:59	0.030	0.029	0.029	-
11:00	0.030	0.026	0.028	-
11:01	0.030	0.024	0.028	-
11:02	0.030	0.023	0.027	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
11:03	0.030	0.027	0.028	-
11:04	0.030	0.026	0.028	-
11:05	0.030	0.023	0.027	-
11:06	0.030	0.022	0.027	-
11:07	0.030	0.023	0.027	-
11:08	0.030	0.025	0.027	-
11:09	0.030	0.025	0.026	-
11:10	0.030	0.048	0.028	-
11:11	0.030	0.028	0.027	-
11:12	0.030	0.022	0.027	-
11:13	0.030	0.023	0.026	-
11:14	0.030	0.021	0.026	-
11:15	0.030	0.022	0.025	-
11:16	0.030	0.024	0.025	-
11:17	0.030	0.02	0.025	-
11:18	0.030	0.019	0.025	-
11:19	0.030	0.019	0.024	-
11:20	0.030	0.019	0.024	-
11:21	0.030	0.018	0.024	-
11:22	0.030	0.019	0.023	-
11:23	0.030	0.019	0.023	-
11:24	0.030	0.019	0.023	-
11:25	0.030	0.018	0.021	-
11:26	0.030	0.018	0.020	-
11:27	0.030	0.018	0.020	-
11:28	0.030	0.018	0.019	-
11:29	0.030	0.018	0.019	-
11:30	0.030	0.017	0.019	-
11:31	0.030	0.017	0.018	-
11:32	0.030	0.018	0.018	-
11:33	0.030	0.018	0.018	-
11:34	0.030	0.018	0.018	-
11:35	0.030	0.016	0.018	-
11:36	0.030	0.017	0.018	-
11:37	0.030	0.017	0.018	-
11:38	0.030	0.016	0.018	-
11:39	0.030	0.016	0.017	-
11:40	0.030	0.021	0.018	-
11:41	0.030	0.019	0.018	-
11:42	0.030	0.019	0.018	-
11:43	0.030	0.016	0.018	-
11:44	0.030	0.014	0.017	-
11:45	0.030	0.014	0.017	-
11:46	0.030	0.015	0.017	-
11:47	0.030	0.015	0.017	-
11:48	0.030	0.017	0.017	-
11:49	0.030	0.017	0.017	-
11:50	0.030	0.018	0.017	-
11:51	0.030	0.018	0.017	-
11:52	0.030	0.017	0.017	-
11:53	0.030	0.015	0.017	-
11:54	0.030	0.014	0.017	-
11:55	0.030	0.014	0.016	-
11:56	0.030	0.014	0.016	-
11:57	0.030	0.015	0.016	-
11:58	0.030	0.015	0.015	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
11:59	0.030	0.017	0.016	-
12:00	0.030	0.016	0.016	-
12:01	0.030	0.015	0.016	-
12:02	0.030	0.016	0.016	-
12:03	0.030	0.017	0.016	-
12:04	0.030	0.021	0.016	-
12:05	0.030	0.02	0.016	-
12:06	0.030	0.022	0.017	-
12:07	0.030	0.018	0.017	-
12:08	0.030	0.017	0.017	-
12:09	0.030	0.015	0.017	-
12:10	0.030	0.015	0.017	-
12:11	0.030	0.015	0.017	-
12:12	0.030	0.014	0.017	-
12:13	0.030	0.013	0.017	-
12:14	0.030	0.013	0.016	-
12:15	0.030	0.013	0.016	-
12:16	0.030	0.013	0.016	-
12:17	0.030	0.016	0.016	-
12:18	0.030	0.013	0.016	-
12:19	0.030	0.014	0.015	-
12:20	0.030	0.013	0.015	-
12:21	0.030	0.013	0.014	-
12:22	0.030	0.013	0.014	-
12:23	0.030	0.014	0.014	-
12:24	0.030	0.013	0.014	-
12:25	0.030	0.013	0.014	-
12:26	0.030	0.014	0.013	-
12:27	0.030	0.015	0.014	-
12:28	0.030	0.014	0.014	-
12:29	0.030	0.015	0.014	-
12:30	0.030	0.015	0.014	-
12:31	0.030	0.018	0.014	-
12:32	0.030	0.018	0.014	-
12:33	0.030	0.016	0.015	-
12:34	0.030	0.014	0.015	-
12:35	0.030	0.013	0.015	-
12:36	0.030	0.012	0.014	-
12:37	0.030	0.013	0.014	-
12:38	0.030	0.015	0.015	-
12:39	0.030	0.014	0.015	-
12:40	0.030	0.016	0.015	-
12:41	0.030	0.013	0.015	-
12:42	0.030	0.015	0.015	-
12:43	0.030	0.014	0.015	-
12:44	0.030	0.014	0.015	-
12:45	0.030	0.016	0.015	-
12:46	0.030	0.012	0.014	-
12:47	0.030	0.013	0.014	-
12:48	0.030	0.013	0.014	-
12:49	0.030	0.013	0.014	-
12:50	0.030	0.014	0.014	-
12:51	0.030	0.014	0.014	-
12:52	0.030	0.015	0.014	-
12:53	0.030	0.012	0.014	-
12:54	0.030	0.012	0.014	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
12:55	0.030	0.012	0.013	-
12:56	0.030	0.012	0.013	-
12:57	0.030	0.011	0.013	-
12:58	0.030	0.012	0.013	-
12:59	0.030	0.012	0.013	-
13:00	0.030	0.012	0.013	-
13:01	0.030	0.011	0.013	-
13:02	0.030	0.011	0.012	-
13:03	0.030	0.014	0.012	-
13:04	0.030	0.012	0.012	-
13:05	0.030	0.011	0.012	-
13:06	0.030	0.013	0.012	-
13:07	0.030	0.016	0.012	-
13:08	0.030	0.012	0.012	-
13:09	0.030	0.015	0.012	-
13:10	0.030	0.012	0.012	-
13:11	0.030	0.013	0.012	-
13:12	0.030	0.014	0.013	-
13:13	0.030	0.013	0.013	-
13:14	0.030	0.014	0.013	-
13:15	0.030	0.014	0.013	-
13:16	0.030	0.014	0.013	-
13:17	0.030	0.016	0.014	-
13:18	0.030	0.012	0.013	-
13:19	0.030	0.013	0.013	-
13:20	0.030	0.012	0.014	-
13:21	0.030	0.012	0.013	-
13:22	0.030	0.011	0.013	-
13:23	0.030	0.012	0.013	-
13:24	0.030	0.012	0.013	-
13:25	0.030	0.012	0.013	-
13:26	0.030	0.013	0.013	-
13:27	0.030	0.016	0.013	-
13:28	0.030	0.014	0.013	-
13:29	0.030	0.013	0.013	-
13:30	0.030	0.012	0.013	-
13:31	0.030	0.013	0.013	-
13:32	0.030	0.013	0.013	-
13:33	0.030	0.015	0.013	-
13:34	0.030	0.015	0.013	-
13:35	0.030	0.012	0.013	-
13:36	0.030	0.012	0.013	-
13:37	0.030	0.012	0.013	-
13:38	0.030	0.014	0.013	-
13:39	0.030	0.014	0.013	-
13:40	0.030	0.013	0.013	-
13:41	0.030	0.013	0.013	-
13:42	0.030	0.014	0.013	-
13:43	0.030	0.013	0.013	-
13:44	0.030	0.014	0.013	-
13:45	0.030	0.015	0.013	-
13:46	0.030	0.019	0.014	-
13:47	0.030	0.015	0.014	-
13:48	0.030	0.014	0.014	-
13:49	0.030	0.014	0.014	-
13:50	0.030	0.016	0.014	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
13:51	0.030	0.017	0.014	-
13:52	0.030	0.018	0.015	-
13:53	0.030	0.024	0.016	-
13:54	0.030	0.017	0.016	-
13:55	0.030	0.016	0.016	-
13:56	0.030	0.017	0.016	-
13:57	0.030	0.017	0.016	-
13:58	0.030	0.014	0.016	-
13:59	0.030	0.014	0.016	-
14:00	0.030	0.014	0.016	-
14:01	0.030	0.014	0.016	-
14:02	0.030	0.014	0.016	-
14:03	0.030	0.014	0.016	-
14:04	0.030	0.015	0.016	-
14:05	0.030	0.015	0.016	-
14:06	0.030	0.017	0.016	-
14:07	0.030	0.016	0.016	-
14:08	0.030	0.014	0.015	-
14:09	0.030	0.014	0.015	-
14:10	0.030	0.014	0.015	-
14:11	0.030	0.014	0.015	-
14:12	0.030	0.014	0.014	-
14:13	0.030	0.015	0.015	-
14:14	0.030	0.017	0.015	-
14:15	0.030	0.013	0.015	-
14:16	0.030	0.013	0.015	-
14:17	0.030	0.013	0.015	-
14:18	0.030	0.012	0.014	-
14:19	0.030	0.013	0.014	-
14:20	0.030	0.014	0.014	-
14:21	0.030	0.015	0.014	-
14:22	0.030	0.015	0.014	-
14:23	0.030	0.016	0.014	-
14:24	0.030	0.016	0.014	-
14:25	0.030	0.018	0.015	-
14:26	0.030	0.016	0.015	-
14:27	0.030	0.017	0.015	-
14:28	0.030	0.015	0.015	-
14:29	0.030	0.015	0.015	-
14:30	0.030	0.014	0.015	-
14:31	0.030	0.015	0.015	-
14:32	0.030	0.015	0.015	-
14:33	0.030	0.015	0.015	-
14:34	0.030	0.015	0.015	-
14:35	0.030	0.015	0.015	-
14:36	0.030	0.014	0.015	-
14:37	0.030	0.015	0.015	-
14:38	0.030	0.015	0.015	-
14:39	0.030	0.017	0.015	-
14:40	0.030	0.016	0.015	-
14:41	0.030	0.016	0.015	-
14:42	0.030	0.017	0.015	-
14:43	0.030	0.015	0.015	-
14:44	0.030	0.016	0.015	-
14:45	0.030	0.016	0.015	-
14:46	0.030	0.017	0.016	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
14:47	0.030	0.015	0.016	-
14:48	0.030	0.014	0.016	-
14:49	0.030	0.014	0.015	-
14:50	0.030	0.015	0.015	-
14:51	0.030	0.017	0.016	-
14:52	0.030	0.015	0.016	-
14:53	0.030	0.017	0.016	-
14:54	0.030	0.017	0.016	-
14:55	0.030	0.019	0.016	-
14:56	0.030	0.016	0.016	-
14:57	0.030	0.018	0.016	-
14:58	0.030	0.019	0.016	-
14:59	0.030	0.019	0.017	-
15:00	0.030	0.019	0.017	-
15:01	0.030	0.018	0.017	-
15:02	0.030	0.019	0.017	-
15:03	0.030	0.018	0.017	-
15:04	0.030	0.019	0.018	-
15:05	0.030	0.021	0.018	-
15:06	0.030	0.028	0.019	-
15:07	0.030	0.027	0.020	-
15:08	0.030	0.02	0.020	-
15:09	0.030	0.018	0.020	-
15:10	0.030	0.02	0.020	-
15:11	0.030	0.02	0.020	-
15:12	0.030	0.019	0.020	-
15:13	0.030	0.018	0.020	-
15:14	0.030	0.019	0.020	-
15:15	0.030	0.02	0.020	-
15:16	0.030	0.02	0.020	-
15:17	0.030	0.019	0.020	-
15:18	0.030	0.021	0.021	-
15:19	0.030	0.017	0.020	-
15:20	0.030	0.017	0.020	-
15:21	0.030	0.018	0.020	-
15:22	0.030	0.017	0.019	-
15:23	0.030	0.018	0.019	-
15:24	0.030	0.019	0.019	-
15:25	0.030	0.017	0.019	-
15:26	0.030	0.019	0.019	-
15:27	0.030	0.018	0.018	-
15:28	0.030	0.017	0.018	-
15:29	0.030	0.021	0.019	-
15:30	0.030	0.079	0.022	-
15:31	0.030	0.025	0.023	-
15:32	0.030	0.019	0.023	-
15:33	0.030	0.017	0.023	-
15:34	0.030	0.047	0.025	-
15:35	0.030	0.032	0.026	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
15:36	0.030	0.025	0.026	-
15:37	0.030	0.023	0.026	-
15:38	0.030	0.019	0.026	-
15:39	0.030	0.018	0.026	-
15:40	0.030	0.018	0.026	-
15:41	0.030	0.018	0.026	-
15:42	0.030	0.018	0.026	-
15:43	0.030	0.02	0.027	-
15:44	0.030	0.02	0.027	-
15:45	0.030	0.019	0.023	-
15:46	0.030	0.026	0.023	-
15:47	0.030	0.015	0.022	-
15:48	0.030	0.016	0.022	-
15:49	0.030	0.015	0.020	-
15:50	0.030	0.017	0.019	-
15:51	0.030	0.018	0.019	-
15:52	0.030	0.015	0.018	-
15:53	0.030	0.016	0.018	-
15:54	0.030	0.017	0.018	-
15:55	0.030	0.016	0.018	-
15:56	0.030	0.017	0.018	-
15:57	0.030	0.016	0.018	-
15:58	0.030	0.017	0.017	-
15:59	0.030	0.016	0.017	-
16:00	0.030	0.016	0.017	-
16:01	0.030	0.015	0.016	-
16:02	0.030	0.015	0.016	-
16:03	0.030	0.015	0.016	-
16:04	0.030	0.017	0.016	-
16:05	0.030	0.016	0.016	-
16:06	0.030	0.05	0.018	-
16:07	0.030	0.295	0.037	-
16:08	0.030	0.19	0.049	-
16:09	0.030	0.084	0.053	-
16:10	0.030	0.077	0.057	-
16:11	0.030	0.034	0.058	-
16:12	0.030	0.025	0.059	-
16:13	0.030	0.038	0.060	-
16:14	0.030	0.022	0.061	-
16:15	0.030	0.022	0.061	-
16:16	0.030	0.021	0.061	-
16:17	0.030	0.031	0.062	-
16:18	0.030	0.03	0.063	-
16:19	0.030	0.019	0.064	-
16:20	0.030	0.019	0.064	-
16:21	0.030	0.02	0.062	-
16:22	0.030	0.061	0.046	-
16:23	0.030	0.024	0.035	-
16:24	0.030	0.026	0.031	-
16:25	0.030	0.023	0.028	-
16:26	0.030	0.028	0.027	-
16:27	0.030	0.065	0.030	-
16:28	0.030	0.031	0.029	-
16:29	0.030	0.024	0.030	-
16:30	0.030	0.042	0.031	-
16:31	0.030	0.038	0.032	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
16:32	0.030	0.036	0.032	-
16:33	0.030	0.032	0.033	-
16:34	0.030	0.029	0.033	-
16:35	0.030	0.017	0.033	-
16:36	0.030	0.017	0.033	-
16:37	0.030	0.017	0.030	-
16:38	0.030	0.016	0.029	-
16:39	0.030	0.016	0.029	-
16:40	0.030	0.018	0.028	-
16:41	0.030	0.019	0.028	-
16:42	0.030	0.018	0.025	-
16:43	0.030	0.018	0.024	-
16:44	0.030	0.016	0.023	-

Date: 3/11/2021
Observer: Tyler Zorn

Particulate Monitoring		
	1st 15-min TWA	Sidewalk
Minimum 15min Average	0.000	0.030
Maximum 15min Average	0.000	0.065
High Intervals "exceedances"	0	0
Minimum 1min Reading	N/A	0.026
Maximum 1min Reading	N/A	0.134

All reported particulate concentrations are in mg/m³ or milligrams per cubic meter and all reported organic vapor concentrations are in ppm or parts per million, unless specified otherwise.

March 11, 2021				
No. of Instances Where Sidewalk Particulates Exceeds Background Particulate + .150 mg/m ³ =				0
PARTICULATE DATA				
First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
9:14		0.033		
9:15		0.029		
9:16		0.027		
9:17		0.03		
9:18		0.03		
9:19		0.028		
9:20		0.029		
9:21		0.031		
9:22		0.032		
9:23		0.026		
9:24		0.028		
9:25		0.029		
9:26		0.031		
9:27		0.033		
9:28		0.032	0.030	
9:29	Break between work start and 15-min background average			
9:30	0.030	0.059	0.032	-
9:31	0.030	0.057	0.034	-
9:32	0.030	0.062	0.036	-
9:33	0.030	0.059	0.038	-
9:34	0.030	0.062	0.041	-
9:35	0.030	0.06	0.043	-
9:36	0.030	0.063	0.045	-
9:37	0.030	0.062	0.047	-
9:38	0.030	0.062	0.050	-
9:39	0.030	0.061	0.052	-
9:40	0.030	0.062	0.055	-
9:41	0.030	0.064	0.057	-
9:42	0.030	0.066	0.059	-
9:43	0.030	0.066	0.062	-
9:44	0.030	0.063	0.062	-
9:45	0.030	0.064	0.062	-
9:46	0.030	0.066	0.063	-
9:47	0.030	0.067	0.063	-
9:48	0.030	0.066	0.064	-
9:49	0.030	0.065	0.064	-
9:50	0.030	0.066	0.064	-
9:51	0.030	0.065	0.064	-
9:52	0.030	0.063	0.064	-
9:53	0.030	0.063	0.064	-
9:54	0.030	0.062	0.065	-
9:55	0.030	0.06	0.064	-
9:56	0.030	0.06	0.064	-
9:57	0.030	0.058	0.064	-
9:58	0.030	0.058	0.063	-
9:59	0.030	0.058	0.063	-
10:00	0.030	0.059	0.062	-
10:01	0.030	0.059	0.062	-
10:02	0.030	0.057	0.061	-
10:03	0.030	0.058	0.061	-
10:04	0.030	0.058	0.060	-
10:05	0.030	0.057	0.060	-
10:06	0.030	0.057	0.059	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
10:07	0.030	0.057	0.059	-
10:08	0.030	0.057	0.058	-
10:09	0.030	0.057	0.058	-
10:10	0.030	0.056	0.058	-
10:11	0.030	0.056	0.057	-
10:12	0.030	0.055	0.057	-
10:13	0.030	0.056	0.057	-
10:14	0.030	0.055	0.057	-
10:15	0.030	0.057	0.057	-
10:16	0.030	0.059	0.057	-
10:17	0.030	0.057	0.057	-
10:18	0.030	0.056	0.057	-
10:19	0.030	0.057	0.057	-
10:20	0.030	0.057	0.057	-
10:21	0.030	0.057	0.057	-
10:22	0.030	0.057	0.057	-
10:23	0.030	0.057	0.057	-
10:24	0.030	0.057	0.057	-
10:25	0.030	0.056	0.057	-
10:26	0.030	0.056	0.057	-
10:27	0.030	0.056	0.057	-
10:28	0.030	0.055	0.057	-
10:29	0.030	0.055	0.057	-
10:30	0.030	0.054	0.056	-
10:31	0.030	0.055	0.056	-
10:32	0.030	0.055	0.056	-
10:33	0.030	0.054	0.056	-
10:34	0.030	0.054	0.056	-
10:35	0.030	0.054	0.055	-
10:36	0.030	0.057	0.055	-
10:37	0.030	0.06	0.056	-
10:38	0.030	0.058	0.056	-
10:39	0.030	0.057	0.056	-
10:40	0.030	0.056	0.056	-
10:41	0.030	0.054	0.056	-
10:42	0.030	0.053	0.055	-
10:43	0.030	0.051	0.055	-
10:44	0.030	0.051	0.055	-
10:45	0.030	0.051	0.055	-
10:46	0.030	0.052	0.054	-
10:47	0.030	0.052	0.054	-
10:48	0.030	0.052	0.054	-
10:49	0.030	0.052	0.054	-
10:50	0.030	0.053	0.054	-
10:51	0.030	0.053	0.054	-
10:52	0.030	0.057	0.053	-
10:53	0.030	0.055	0.053	-
10:54	0.030	0.054	0.053	-
10:55	0.030	0.054	0.053	-
10:56	0.030	0.055	0.053	-
10:57	0.030	0.054	0.053	-
10:58	0.030	0.054	0.053	-
10:59	0.030	0.055	0.054	-
11:00	0.030	0.055	0.054	-
11:01	0.030	0.056	0.054	-
11:02	0.030	0.057	0.054	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
11:03	0.030	0.057	0.055	-
11:04	0.030	0.058	0.055	-
11:05	0.030	0.058	0.055	-
11:06	0.030	0.058	0.056	-
11:07	0.030	0.058	0.056	-
11:08	0.030	0.059	0.056	-
11:09	0.030	0.058	0.056	-
11:10	0.030	0.06	0.057	-
11:11	0.030	0.06	0.057	-
11:12	0.030	0.061	0.058	-
11:13	0.030	0.06	0.058	-
11:14	0.030	0.06	0.058	-
11:15	0.030	0.061	0.059	-
11:16	0.030	0.059	0.059	-
11:17	0.030	0.085	0.061	-
11:18	0.030	0.06	0.061	-
11:19	0.030	0.058	0.061	-
11:20	0.030	0.058	0.061	-
11:21	0.030	0.059	0.061	-
11:22	0.030	0.059	0.061	-
11:23	0.030	0.059	0.061	-
11:24	0.030	0.058	0.061	-
11:25	0.030	0.058	0.061	-
11:26	0.030	0.058	0.061	-
11:27	0.030	0.058	0.061	-
11:28	0.030	0.058	0.061	-
11:29	0.030	0.058	0.060	-
11:30	0.030	0.059	0.060	-
11:31	0.030	0.059	0.060	-
11:32	0.030	0.059	0.059	-
11:33	0.030	0.058	0.058	-
11:34	0.030	0.057	0.058	-
11:35	0.030	0.056	0.058	-
11:36	0.030	0.056	0.058	-
11:37	0.030	0.057	0.058	-
11:38	0.030	0.057	0.058	-
11:39	0.030	0.058	0.058	-
11:40	0.030	0.06	0.058	-
11:41	0.030	0.06	0.058	-
11:42	0.030	0.059	0.058	-
11:43	0.030	0.057	0.058	-
11:44	0.030	0.057	0.058	-
11:45	0.030	0.134	0.063	-
11:46	0.030	0.064	0.063	-
11:47	0.030	0.057	0.063	-
11:48	0.030	0.057	0.063	-
11:49	0.030	0.057	0.063	-
11:50	0.030	0.055	0.063	-
11:51	0.030	0.056	0.063	-
11:52	0.030	0.058	0.063	-
11:53	0.030	0.057	0.063	-
11:54	0.030	0.056	0.063	-
11:55	0.030	0.057	0.063	-
11:56	0.030	0.056	0.062	-
11:57	0.030	0.056	0.062	-
11:58	0.030	0.056	0.062	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
11:59	0.030	0.056	0.062	-
12:00	0.030	0.057	0.057	-
12:01	0.030	0.057	0.057	-
12:02	0.030	0.058	0.057	-
12:03	0.030	0.058	0.057	-
12:04	0.030	0.058	0.057	-
12:05	0.030	0.058	0.057	-
12:06	0.030	0.058	0.057	-
12:07	0.030	0.058	0.057	-
12:08	0.030	0.058	0.057	-
12:09	0.030	0.058	0.057	-
12:10	0.030	0.057	0.057	-
12:11	0.030	0.06	0.058	-
12:12	0.030	0.058	0.058	-
12:13	0.030	0.057	0.058	-
12:14	0.030	0.056	0.058	-
12:15	0.030	0.056	0.058	-
12:16	0.030	0.056	0.058	-
12:17	0.030	0.057	0.058	-
12:18	0.030	0.056	0.057	-
12:19	0.030	0.058	0.057	-
12:20	0.030	0.059	0.057	-
12:21	0.030	0.068	0.058	-
12:22	0.030	0.059	0.058	-
12:23	0.030	0.058	0.058	-
12:24	0.030	0.06	0.058	-
12:25	0.030	0.057	0.058	-
12:26	0.030	0.057	0.058	-
12:27	0.030	0.055	0.058	-
12:28	0.030	0.056	0.058	-
12:29	0.030	0.084	0.060	-
12:30	0.030	0.077	0.061	-
12:31	0.030	0.055	0.061	-
12:32	0.030	0.055	0.061	-
12:33	0.030	0.054	0.061	-
12:34	0.030	0.054	0.061	-
12:35	0.030	0.054	0.060	-
12:36	0.030	0.056	0.059	-
12:37	0.030	0.055	0.059	-
12:38	0.030	0.054	0.059	-
12:39	0.030	0.053	0.058	-
12:40	0.030	0.051	0.058	-
12:41	0.030	0.052	0.058	-
12:42	0.030	0.053	0.058	-
12:43	0.030	0.053	0.057	-
12:44	0.030	0.052	0.055	-
12:45	0.030	0.051	0.053	-
12:46	0.030	0.051	0.053	-
12:47	0.030	0.051	0.053	-
12:48	0.030	0.051	0.053	-
12:49	0.030	0.051	0.053	-
12:50	0.030	0.049	0.052	-
12:51	0.030	0.05	0.052	-
12:52	0.030	0.051	0.052	-
12:53	0.030	0.051	0.051	-
12:54	0.030	0.052	0.051	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
12:55	0.030	0.053	0.051	-
12:56	0.030	0.052	0.051	-
12:57	0.030	0.052	0.051	-
12:58	0.030	0.053	0.051	-
12:59	0.030	0.052	0.051	-
13:00	0.030	0.052	0.051	-
13:01	0.030	0.051	0.051	-
13:02	0.030	0.05	0.051	-
13:03	0.030	0.05	0.051	-
13:04	0.030	0.049	0.051	-
13:05	0.030	0.05	0.051	-
13:06	0.030	0.049	0.051	-
13:07	0.030	0.052	0.051	-
13:08	0.030	0.051	0.051	-
13:09	0.030	0.05	0.051	-
13:10	0.030	0.049	0.051	-
13:11	0.030	0.051	0.051	-
13:12	0.030	0.051	0.051	-
13:13	0.030	0.05	0.050	-
13:14	0.030	0.05	0.050	-
13:15	0.030	0.049	0.050	-
13:16	0.030	0.049	0.050	-
13:17	0.030	0.049	0.050	-
13:18	0.030	0.048	0.050	-
13:19	0.030	0.048	0.050	-
13:20	0.030	0.051	0.050	-
13:21	0.030	0.049	0.050	-
13:22	0.030	0.047	0.049	-
13:23	0.030	0.048	0.049	-
13:24	0.030	0.047	0.049	-
13:25	0.030	0.047	0.049	-
13:26	0.030	0.047	0.049	-
13:27	0.030	0.047	0.048	-
13:28	0.030	0.046	0.048	-
13:29	0.030	0.047	0.048	-
13:30	0.030	0.048	0.048	-
13:31	0.030	0.048	0.048	-
13:32	0.030	0.047	0.048	-
13:33	0.030	0.047	0.048	-
13:34	0.030	0.047	0.048	-
13:35	0.030	0.048	0.047	-
13:36	0.030	0.047	0.047	-
13:37	0.030	0.047	0.047	-
13:38	0.030	0.048	0.047	-
13:39	0.030	0.048	0.047	-
13:40	0.030	0.049	0.047	-
13:41	0.030	0.048	0.047	-
13:42	0.030	0.048	0.048	-
13:43	0.030	0.049	0.048	-
13:44	0.030	0.048	0.048	-
13:45	0.030	0.048	0.048	-
13:46	0.030	0.049	0.048	-
13:47	0.030	0.048	0.048	-
13:48	0.030	0.048	0.048	-
13:49	0.030	0.049	0.048	-
13:50	0.030	0.049	0.048	-

First 15-Minute Background		Sidewalk		Exceeds Particulate Alarm Limits
Time	15-Minute Average	PM 10 (mg/m ³)	15-Minute Average	
13:51	0.030	0.049	0.048	-
13:52	0.030	0.049	0.048	-
13:53	0.030	0.049	0.049	-
13:54	0.030	0.049	0.049	-
13:55	0.030	0.05	0.049	-
13:56	0.030	0.049	0.049	-
13:57	0.030	0.048	0.049	-
13:58	0.030	0.049	0.049	-
13:59	0.030	0.049	0.049	-
14:00	0.030	0.048	0.049	-
14:01	0.030	0.048	0.049	-
14:02	0.030	0.05	0.049	-
14:03	0.030	0.048	0.049	-
14:04	0.030	0.048	0.049	-
14:05	0.030	0.048	0.049	-
14:06	0.030	0.05	0.049	-
14:07	0.030	0.052	0.049	-
14:08	0.030	0.054	0.049	-
14:09	0.030	0.052	0.050	-
14:10	0.030	0.055	0.050	-
14:11	0.030	0.052	0.050	-
14:12	0.030	0.053	0.050	-
14:13	0.030	0.052	0.051	-
14:14	0.030	0.051	0.051	-

ATTACHMENT 5

LABORATORY REPORTS



ANALYTICAL REPORT

Lab Number:	L2112305
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Paul McMahon
Phone:	(212) 479-5429
Project Name:	BNY BUILDING 22/25
Project Number:	170650301
Report Date:	03/18/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2112305-01	COMP01_031121	SOIL	BROOKLYN, NY	03/11/21 12:10	03/11/21
L2112305-02	GRAB01_031121	SOIL	BROOKLYN, NY	03/11/21 12:15	03/11/21

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2112305-01: At the client's request, the Total Cyanide analysis was performed.

Volatile Organics

L2112305-02: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

Semivolatile Organics

WG1474941: An MS/MSD was not analyzed because the dilution required by the native sample would have caused the spike compounds to be diluted below the range of calibration.

Pesticides

L2112305-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Herbicides

L2112305-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2112305-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1474672-1 Method Blank, associated with L2112305-01, has a concentration above the reporting limit

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
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Case Narrative (continued)

for Calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

The WG1474679-3 MS recovery for mercury (2210%), performed on L2112305-01, does not apply because the sample concentration is greater than four times the spike amount added.

Cyanide, Total

The WG1475146-2/-3 LCS/LCSD recoveries for cyanide, total (60%/70%), associated with L2112305-01, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Melissa Sturgis

Title: Technical Director/Representative

Date: 03/18/21

ORGANICS

VOLATILES

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-02
 Client ID: GRAB01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:15
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/17/21 00:48
 Analyst: JC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	66	9.6	1
Chloroform	ND		ug/kg	99	9.3	1
Carbon tetrachloride	ND		ug/kg	66	15.	1
1,2-Dichloropropane	ND		ug/kg	66	8.3	1
Dibromochloromethane	ND		ug/kg	66	9.3	1
1,1,2-Trichloroethane	ND		ug/kg	66	18.	1
Tetrachloroethene	ND		ug/kg	33	13.	1
Chlorobenzene	ND		ug/kg	33	8.4	1
Trichlorofluoromethane	ND		ug/kg	260	46.	1
1,2-Dichloroethane	ND		ug/kg	66	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.2	1
trans-1,3-Dichloropropene	ND		ug/kg	66	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
1,3-Dichloropropene, Total	ND		ug/kg	33	10.	1
1,1-Dichloropropene	ND		ug/kg	33	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	ND		ug/kg	33	11.	1
Toluene	ND		ug/kg	66	36.	1
Ethylbenzene	260		ug/kg	66	9.3	1
Chloromethane	ND		ug/kg	260	62.	1
Bromomethane	ND		ug/kg	130	38.	1
Vinyl chloride	ND		ug/kg	66	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	66	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	99	9.1	1

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-02
 Client ID: GRAB01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:15
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	780		ug/kg	33	9.1	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.5	1
1,3-Dichlorobenzene	ND		ug/kg	130	9.8	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	1000		ug/kg	130	37.	1
o-Xylene	270		ug/kg	66	19.	1
Xylenes, Total	1300		ug/kg	66	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	66	12.	1
Dibromomethane	ND		ug/kg	130	16.	1
Styrene	ND		ug/kg	66	13.	1
Dichlorodifluoromethane	ND		ug/kg	660	61.	1
Acetone	500	J	ug/kg	660	320	1
Carbon disulfide	ND		ug/kg	660	300	1
2-Butanone	ND		ug/kg	660	150	1
Vinyl acetate	ND		ug/kg	660	140	1
4-Methyl-2-pentanone	ND		ug/kg	660	85.	1
1,2,3-Trichloropropane	ND		ug/kg	130	8.4	1
2-Hexanone	ND		ug/kg	660	78.	1
Bromochloromethane	ND		ug/kg	130	14.	1
2,2-Dichloropropane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	66	18.	1
1,3-Dichloropropane	ND		ug/kg	130	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	33	8.7	1
Bromobenzene	ND		ug/kg	130	9.6	1
n-Butylbenzene	ND		ug/kg	66	11.	1
sec-Butylbenzene	ND		ug/kg	66	9.7	1
tert-Butylbenzene	ND		ug/kg	130	7.8	1
o-Chlorotoluene	ND		ug/kg	130	13.	1
p-Chlorotoluene	ND		ug/kg	130	7.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	66.	1
Hexachlorobutadiene	ND		ug/kg	260	11.	1
Isopropylbenzene	ND		ug/kg	66	7.2	1
p-Isopropyltoluene	ND		ug/kg	66	7.2	1
Naphthalene	58	J	ug/kg	260	43.	1
Acrylonitrile	ND		ug/kg	260	76.	1
Tert-Butyl Alcohol	ND		ug/kg	1300	340	1

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-02
 Client ID: GRAB01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:15
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	66	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
1,3,5-Trimethylbenzene	ND		ug/kg	130	13.	1
1,2,4-Trimethylbenzene	ND		ug/kg	130	22.	1
Methyl Acetate	ND		ug/kg	260	63.	1
Acrolein	ND		ug/kg	1600	370	1
Cyclohexane	ND		ug/kg	660	36.	1
1,4-Dioxane	ND		ug/kg	5300	2300	1
Freon-113	ND		ug/kg	260	46.	1
p-Diethylbenzene	ND		ug/kg	130	12.	1
p-Ethyltoluene	ND		ug/kg	130	25.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	130	13.	1
Ethyl ether	ND		ug/kg	130	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	330	94.	1
Methyl cyclohexane	ND		ug/kg	260	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	82		70-130

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-02
 Client ID: GRAB01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:15
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/17/21 16:28
 Analyst: KJD
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.65	0.25	1
Chlorobenzene	ND		ug/kg	0.65	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.90	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.65	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.22	1
Benzene	ND		ug/kg	0.65	0.22	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	21		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-02
 Client ID: GRAB01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:15
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	67		ug/kg	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	81		ug/kg	2.6	0.72	1
o-Xylene	22		ug/kg	1.3	0.38	1
Xylenes, Total	100		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	0.49	J	ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	140		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.9	1
2-Butanone	3.0	J	ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	0.21	J	ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	2.4	J	ug/kg	5.2	0.84	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1
Tert-Butyl Alcohol	ND		ug/kg	26	6.6	1

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-02
 Client ID: GRAB01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:15
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
Methyl Acetate	ND		ug/kg	5.2	1.2	1
Acrolein	ND		ug/kg	32	7.3	1
Cyclohexane	ND		ug/kg	13	0.70	1
1,4-Dioxane	ND		ug/kg	100	45.	1
Freon-113	ND		ug/kg	5.2	0.90	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	1.8	1
Methyl cyclohexane	1.7	J	ug/kg	5.2	0.78	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/21 19:10
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1475421-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/21 19:10
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1475421-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/21 19:10
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1475421-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/21 19:10
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1475421-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	85		70-130

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/21 10:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1475460-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.7	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/21 10:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1475460-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	4.8	J	ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/21 10:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1475460-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/21 10:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1475460-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1475421-3 WG1475421-4								
Methylene chloride	89		86		70-130	3		30
1,1-Dichloroethane	93		90		70-130	3		30
Chloroform	86		83		70-130	4		30
Carbon tetrachloride	93		90		70-130	3		30
1,2-Dichloropropane	90		90		70-130	0		30
Dibromochloromethane	87		84		70-130	4		30
1,1,2-Trichloroethane	81		78		70-130	4		30
Tetrachloroethene	87		84		70-130	4		30
Chlorobenzene	89		85		70-130	5		30
Trichlorofluoromethane	80		75		70-139	6		30
1,2-Dichloroethane	83		82		70-130	1		30
1,1,1-Trichloroethane	88		85		70-130	3		30
Bromodichloromethane	85		84		70-130	1		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	85		82		70-130	4		30
1,1-Dichloropropene	91		88		70-130	3		30
Bromoform	86		81		70-130	6		30
1,1,2,2-Tetrachloroethane	80		76		70-130	5		30
Benzene	91		88		70-130	3		30
Toluene	89		85		70-130	5		30
Ethylbenzene	88		85		70-130	3		30
Chloromethane	114		110		52-130	4		30
Bromomethane	100		91		57-147	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1475421-3 WG1475421-4								
Vinyl chloride	104		97		67-130	7		30
Chloroethane	97		91		50-151	6		30
1,1-Dichloroethene	91		88		65-135	3		30
trans-1,2-Dichloroethene	87		84		70-130	4		30
Trichloroethene	89		87		70-130	2		30
1,2-Dichlorobenzene	87		82		70-130	6		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	89		84		70-130	6		30
Methyl tert butyl ether	82		80		66-130	2		30
p/m-Xylene	88		84		70-130	5		30
o-Xylene	89		83		70-130	7		30
cis-1,2-Dichloroethene	84		81		70-130	4		30
Dibromomethane	74		74		70-130	0		30
Styrene	85		80		70-130	6		30
Dichlorodifluoromethane	124		120		30-146	3		30
Acetone	86		87		54-140	1		30
Carbon disulfide	108		104		59-130	4		30
2-Butanone	73		73		70-130	0		30
Vinyl acetate	87		86		70-130	1		30
4-Methyl-2-pentanone	71		70		70-130	1		30
1,2,3-Trichloropropane	80		75		68-130	6		30
2-Hexanone	68	Q	68	Q	70-130	0		30
Bromochloromethane	78		76		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1475421-3 WG1475421-4								
2,2-Dichloropropane	92		89		70-130	3		30
1,2-Dibromoethane	75		73		70-130	3		30
1,3-Dichloropropane	80		78		69-130	3		30
1,1,1,2-Tetrachloroethane	90		86		70-130	5		30
Bromobenzene	84		80		70-130	5		30
n-Butylbenzene	107		100		70-130	7		30
sec-Butylbenzene	97		92		70-130	5		30
tert-Butylbenzene	95		89		70-130	7		30
o-Chlorotoluene	97		92		70-130	5		30
p-Chlorotoluene	96		90		70-130	6		30
1,2-Dibromo-3-chloropropane	78		76		68-130	3		30
Hexachlorobutadiene	88		83		67-130	6		30
Isopropylbenzene	94		89		70-130	5		30
p-Isopropyltoluene	100		94		70-130	6		30
Naphthalene	82		78		70-130	5		30
Acrylonitrile	82		82		70-130	0		30
Tert-Butyl Alcohol	58	Q	59	Q	70-130	2		30
n-Propylbenzene	98		92		70-130	6		30
1,2,3-Trichlorobenzene	84		80		70-130	5		30
1,2,4-Trichlorobenzene	91		86		70-130	6		30
1,3,5-Trimethylbenzene	98		91		70-130	7		30
1,2,4-Trimethylbenzene	99		93		70-130	6		30
Methyl Acetate	78		75		51-146	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1475421-3 WG1475421-4								
Acrolein	77		74		70-130	4		30
Cyclohexane	102		98		59-142	4		30
1,4-Dioxane	60	Q	61	Q	65-136	2		30
Freon-113	91		88		50-139	3		30
p-Diethylbenzene	104		98		70-130	6		30
p-Ethyltoluene	97		92		70-130	5		30
1,2,4,5-Tetramethylbenzene	109		102		70-130	7		30
Ethyl ether	87		86		67-130	1		30
trans-1,4-Dichloro-2-butene	98		93		70-130	5		30
Methyl cyclohexane	90		88		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		84		70-130
Toluene-d8	89		88		70-130
4-Bromofluorobenzene	92		90		70-130
Dibromofluoromethane	88		87		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1475460-3 WG1475460-4								
Methylene chloride	95		92		70-130	3		30
1,1-Dichloroethane	88		85		70-130	3		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	80		78		70-130	3		30
1,2-Dichloropropane	90		89		70-130	1		30
Dibromochloromethane	94		93		70-130	1		30
1,1,2-Trichloroethane	94		93		70-130	1		30
Tetrachloroethene	85		83		70-130	2		30
Chlorobenzene	84		83		70-130	1		30
Trichlorofluoromethane	77		74		70-139	4		30
1,2-Dichloroethane	87		86		70-130	1		30
1,1,1-Trichloroethane	82		79		70-130	4		30
Bromodichloromethane	86		85		70-130	1		30
trans-1,3-Dichloropropene	93		91		70-130	2		30
cis-1,3-Dichloropropene	91		90		70-130	1		30
1,1-Dichloropropene	84		81		70-130	4		30
Bromoform	90		88		70-130	2		30
1,1,2,2-Tetrachloroethane	98		95		70-130	3		30
Benzene	86		84		70-130	2		30
Toluene	83		81		70-130	2		30
Ethylbenzene	82		80		70-130	2		30
Chloromethane	99		96		52-130	3		30
Bromomethane	89		86		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1475460-3 WG1475460-4								
Vinyl chloride	89		86		67-130	3		30
Chloroethane	98		94		50-151	4		30
1,1-Dichloroethene	97		95		65-135	2		30
trans-1,2-Dichloroethene	90		87		70-130	3		30
Trichloroethene	83		80		70-130	4		30
1,2-Dichlorobenzene	87		84		70-130	4		30
1,3-Dichlorobenzene	86		83		70-130	4		30
1,4-Dichlorobenzene	86		84		70-130	2		30
Methyl tert butyl ether	104		103		66-130	1		30
p/m-Xylene	83		81		70-130	2		30
o-Xylene	86		85		70-130	1		30
cis-1,2-Dichloroethene	86		84		70-130	2		30
Dibromomethane	86		85		70-130	1		30
Styrene	89		87		70-130	2		30
Dichlorodifluoromethane	116		113		30-146	3		30
Acetone	100		100		54-140	0		30
Carbon disulfide	117		115		59-130	2		30
2-Butanone	100		97		70-130	3		30
Vinyl acetate	98		98		70-130	0		30
4-Methyl-2-pentanone	89		89		70-130	0		30
1,2,3-Trichloropropane	89		87		68-130	2		30
2-Hexanone	92		91		70-130	1		30
Bromochloromethane	92		90		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1475460-3 WG1475460-4								
2,2-Dichloropropane	80		77		70-130	4		30
1,2-Dibromoethane	93		91		70-130	2		30
1,3-Dichloropropane	93		93		69-130	0		30
1,1,1,2-Tetrachloroethane	88		86		70-130	2		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	81		79		70-130	3		30
sec-Butylbenzene	82		79		70-130	4		30
tert-Butylbenzene	82		79		70-130	4		30
o-Chlorotoluene	83		82		70-130	1		30
p-Chlorotoluene	84		81		70-130	4		30
1,2-Dibromo-3-chloropropane	88		88		68-130	0		30
Hexachlorobutadiene	85		82		67-130	4		30
Isopropylbenzene	83		81		70-130	2		30
p-Isopropyltoluene	81		79		70-130	3		30
Naphthalene	91		89		70-130	2		30
Acrylonitrile	118		114		70-130	3		30
Tert-Butyl Alcohol	99		99		70-130	0		30
n-Propylbenzene	84		81		70-130	4		30
1,2,3-Trichlorobenzene	94		90		70-130	4		30
1,2,4-Trichlorobenzene	92		89		70-130	3		30
1,3,5-Trimethylbenzene	81		78		70-130	4		30
1,2,4-Trimethylbenzene	81		79		70-130	3		30
Methyl Acetate	98		99		51-146	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1475460-3 WG1475460-4								
Acrolein	105		103		70-130	2		30
Cyclohexane	86		84		59-142	2		30
1,4-Dioxane	97		95		65-136	2		30
Freon-113	96		94		50-139	2		30
p-Diethylbenzene	80		78		70-130	3		30
p-Ethyltoluene	84		82		70-130	2		30
1,2,4,5-Tetramethylbenzene	82		81		70-130	1		30
Ethyl ether	98		96		67-130	2		30
trans-1,4-Dichloro-2-butene	102		97		70-130	5		30
Methyl cyclohexane	79		78		70-130	1		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	95		93		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	97		99		70-130

SEMIVOLATILES

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-01
 Client ID: COMP01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/17/21 10:17
 Analyst: SZ
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 03/16/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	80	J	ug/kg	140	18.	1
Benzidine	ND		ug/kg	580	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	270		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	73	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-01
 Client ID: COMP01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	120		ug/kg	110	20.	1
Benzo(a)pyrene	120	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	160		ug/kg	110	30.	1
Benzo(k)fluoranthene	49	J	ug/kg	110	28.	1
Chrysene	160		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	64	J	ug/kg	110	34.	1
Benzo(ghi)perylene	85	J	ug/kg	140	21.	1
Fluorene	77	J	ug/kg	180	17.	1
Phenanthrene	250		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	71	J	ug/kg	140	25.	1
Pyrene	250		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	61	J	ug/kg	180	17.	1
2-Methylnaphthalene	33	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
n-Nitrosodimethylamine	ND		ug/kg	350	34.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-01
 Client ID: COMP01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	23	J	ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	230	48.	1
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		25-120
Phenol-d6	30		10-120
Nitrobenzene-d5	34		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	21		10-136
4-Terphenyl-d14	30		18-120

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/21 16:13
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 03/16/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1474941-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/21 16:13
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 03/16/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1474941-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/21 16:13
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 03/16/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1474941-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	72		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1474941-2 WG1474941-3								
Acenaphthene	68		68		31-137	0		50
Benzidine	47		42		10-66	11		50
1,2,4-Trichlorobenzene	70		69		38-107	1		50
Hexachlorobenzene	71		69		40-140	3		50
Bis(2-chloroethyl)ether	65		63		40-140	3		50
2-Chloronaphthalene	70		69		40-140	1		50
1,2-Dichlorobenzene	66		66		40-140	0		50
1,3-Dichlorobenzene	65		63		40-140	3		50
1,4-Dichlorobenzene	66		66		28-104	0		50
3,3'-Dichlorobenzidine	70		70		40-140	0		50
2,4-Dinitrotoluene	78		77		40-132	1		50
2,6-Dinitrotoluene	73		70		40-140	4		50
Azobenzene	73		73		40-140	0		50
Fluoranthene	68		67		40-140	1		50
4-Chlorophenyl phenyl ether	69		68		40-140	1		50
4-Bromophenyl phenyl ether	69		70		40-140	1		50
Bis(2-chloroisopropyl)ether	80		80		40-140	0		50
Bis(2-chloroethoxy)methane	67		68		40-117	1		50
Hexachlorobutadiene	69		68		40-140	1		50
Hexachlorocyclopentadiene	60		59		40-140	2		50
Hexachloroethane	68		66		40-140	3		50
Isophorone	73		71		40-140	3		50
Naphthalene	66		66		40-140	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1474941-2 WG1474941-3								
Nitrobenzene	75		72		40-140	4		50
NDPA/DPA	70		70		36-157	0		50
n-Nitrosodi-n-propylamine	73		72		32-121	1		50
Bis(2-ethylhexyl)phthalate	78		78		40-140	0		50
Butyl benzyl phthalate	76		74		40-140	3		50
Di-n-butylphthalate	76		75		40-140	1		50
Di-n-octylphthalate	73		73		40-140	0		50
Diethyl phthalate	72		71		40-140	1		50
Dimethyl phthalate	72		71		40-140	1		50
Benzo(a)anthracene	70		70		40-140	0		50
Benzo(a)pyrene	74		75		40-140	1		50
Benzo(b)fluoranthene	72		74		40-140	3		50
Benzo(k)fluoranthene	72		71		40-140	1		50
Chrysene	69		69		40-140	0		50
Acenaphthylene	70		68		40-140	3		50
Anthracene	71		68		40-140	4		50
Benzo(ghi)perylene	71		69		40-140	3		50
Fluorene	67		67		40-140	0		50
Phenanthrene	67		67		40-140	0		50
Dibenzo(a,h)anthracene	72		70		40-140	3		50
Indeno(1,2,3-cd)pyrene	72		71		40-140	1		50
Pyrene	68		66		35-142	3		50
Biphenyl	65		65		37-127	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1474941-2 WG1474941-3								
4-Chloroaniline	68		70		40-140	3		50
2-Nitroaniline	82		80		47-134	2		50
3-Nitroaniline	70		68		26-129	3		50
4-Nitroaniline	73		72		41-125	1		50
Dibenzofuran	68		68		40-140	0		50
2-Methylnaphthalene	69		69		40-140	0		50
1,2,4,5-Tetrachlorobenzene	64		64		40-117	0		50
Acetophenone	69		69		14-144	0		50
n-Nitrosodimethylamine	64		62		22-100	3		50
2,4,6-Trichlorophenol	73		73		30-130	0		50
p-Chloro-m-cresol	73		72		26-103	1		50
2-Chlorophenol	68		66		25-102	3		50
2,4-Dichlorophenol	75		74		30-130	1		50
2,4-Dimethylphenol	74		72		30-130	3		50
2-Nitrophenol	79		76		30-130	4		50
4-Nitrophenol	73		72		11-114	1		50
2,4-Dinitrophenol	57		56		4-130	2		50
4,6-Dinitro-o-cresol	64		63		10-130	2		50
Pentachlorophenol	58		58		17-109	0		50
Phenol	64		64		26-90	0		50
2-Methylphenol	72		70		30-130.	3		50
3-Methylphenol/4-Methylphenol	71		71		30-130	0		50
2,4,5-Trichlorophenol	76		72		30-130	5		50

Lab Control Sample Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1474941-2 WG1474941-3								
Benzoic Acid	35		37		10-110	6		50
Benzyl Alcohol	73		72		40-140	1		50
Carbazole	69		68		54-128	1		50
Atrazine	64		64		40-140	0		50
Benzaldehyde	66		65		40-140	2		50
Caprolactam	88		87		15-130	1		50
2,3,4,6-Tetrachlorophenol	68		67		40-140	1		50
1,4-Dioxane	53		49		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		64		25-120
Phenol-d6	70		69		10-120
Nitrobenzene-d5	71		70		23-120
2-Fluorobiphenyl	70		67		30-120
2,4,6-Tribromophenol	73		73		10-136
4-Terphenyl-d14	68		67		18-120



PETROLEUM HYDROCARBONS

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-01
 Client ID: COMP01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 03/17/21 16:03
 Analyst: MEO
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 03/16/21 14:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
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Total EPH	1060		mg/kg	24.6	24.6	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	67		40-140
o-Terphenyl	67		40-140

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 103,NJDEP EPH
Analytical Date: 03/17/21 13:33
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 03/16/21 14:33

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01 Batch: WG1475055-1					
Total EPH	ND		mg/kg	23.0	23.0

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	77		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 Batch: WG1475055-2 WG1475055-3								
Total EPH	94		84		40-140	11		25
Nonane (C9)	72		57		40-140	23		25
Decane (C10)	75		62		40-140	19		25
Dodecane (C12)	79		67		40-140	16		25
Tetradecane (C14)	82		70		40-140	16		25
Hexadecane (C16)	87		74		40-140	16		25
Octadecane (C18)	89		77		40-140	14		25
Eicosane (C20)	91		80		40-140	13		25
Heneicosane (C21)	90		80		40-140	12		25
Docosane (C22)	90		80		40-140	12		25
Tetracosane (C24)	89		80		40-140	11		25
Hexacosane (C26)	89		81		40-140	9		25
Octacosane (C28)	88		81		40-140	8		25
triacontane (C30)	89		82		40-140	8		25
Dotriacontane (C32)	90		83		40-140	8		25
Tetracontane (C34)	87		80		40-140	8		25
Hexatriacontane (C36)	88		81		40-140	8		25
Octatriacontane (C38)	87		79		40-140	10		25
Tetracontane (C40)	85		77		40-140	10		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 Batch: WG1475055-2 WG1475055-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> <i>Criteria</i>
Chloro-Octadecane	81		72		40-140
o-Terphenyl	80		70		40-140

Matrix Spike Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample Associated sample(s): 01 QC Batch ID: WG1475055-4 QC Sample: L2111872-01 Client ID:												
Total EPH	ND	265	266	100		-	-		40-140	-		50
Nonane (C9)	ND	7.37	5.71	78		-	-		40-140	-		50
Decane (C10)	ND	7.37	6.04	82		-	-		40-140	-		50
Dodecane (C12)	ND	7.37	6.35	86		-	-		40-140	-		50
Tetradecane (C14)	ND	7.37	6.54	89		-	-		40-140	-		50
Hexadecane (C16)	ND	7.37	6.90	94		-	-		40-140	-		50
Octadecane (C18)	ND	7.37	6.95	94		-	-		40-140	-		50
Eicosane (C20)	ND	7.37	7.06	96		-	-		40-140	-		50
Heneicosane (C21)	ND	7.37	7.00	95		-	-		40-140	-		50
Docosane (C22)	ND	7.37	7.02	95		-	-		40-140	-		50
Tetracosane (C24)	ND	7.37	6.98	95		-	-		40-140	-		50
Hexacosane (C26)	ND	7.37	7.02	95		-	-		40-140	-		50
Octacosane (C28)	ND	7.37	6.95	94		-	-		40-140	-		50
Triacontane (C30)	ND	7.37	7.03	95		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.37	7.12	97		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.37	6.81	92		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.37	6.89	94		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.37	6.81	92		-	-		40-140	-		50
Tetracontane (C40)	ND	7.37	6.66	90		-	-		40-140	-		50

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
Chloro-Octadecane	85				40-140



Matrix Spike Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample Associated sample(s): 01 QC Batch ID: WG1475055-4 QC Sample: L2111872-01 Client ID:												

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85				40-140

Lab Duplicate Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1475055-5 QC Sample: L2111872-01 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	83		83		40-140
o-Terphenyl	84		84		40-140

PCBS

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-01
 Client ID: COMP01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 03/16/21 19:13
 Analyst: AD
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 03/16/21 04:24
 Cleanup Method: EPA 3665A
 Cleanup Date: 03/16/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.5	3.06	1	A
Aroclor 1221	ND		ug/kg	34.5	3.46	1	A
Aroclor 1232	ND		ug/kg	34.5	7.31	1	A
Aroclor 1242	ND		ug/kg	34.5	4.65	1	A
Aroclor 1248	53.3		ug/kg	34.5	5.18	1	B
Aroclor 1254	ND		ug/kg	34.5	3.77	1	A
Aroclor 1260	8.52	J	ug/kg	34.5	6.38	1	B
Aroclor 1262	ND		ug/kg	34.5	4.38	1	A
Aroclor 1268	ND		ug/kg	34.5	3.57	1	A
PCBs, Total	61.8	J	ug/kg	34.5	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 03/16/21 18:04
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 03/16/21 04:24
Cleanup Method: EPA 3665A
Cleanup Date: 03/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1474804-1						
Aroclor 1016	ND		ug/kg	31.6	2.80	A
Aroclor 1221	ND		ug/kg	31.6	3.16	A
Aroclor 1232	ND		ug/kg	31.6	6.70	A
Aroclor 1242	ND		ug/kg	31.6	4.26	A
Aroclor 1248	ND		ug/kg	31.6	4.74	A
Aroclor 1254	ND		ug/kg	31.6	3.46	A
Aroclor 1260	ND		ug/kg	31.6	5.84	A
Aroclor 1262	ND		ug/kg	31.6	4.01	A
Aroclor 1268	ND		ug/kg	31.6	3.27	A
PCBs, Total	ND		ug/kg	31.6	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1474804-2 WG1474804-3									
Aroclor 1016	46		47		40-140	2		50	A
Aroclor 1260	42		43		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		55		30-150	A
Decachlorobiphenyl	49		46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		63		30-150	B
Decachlorobiphenyl	61		58		30-150	B

PESTICIDES

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-01 D
 Client ID: COMP01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 03/17/21 14:50
 Analyst: AR
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 03/16/21 05:26
 Cleanup Method: EPA 3620B
 Cleanup Date: 03/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.7	3.27	10	A
Lindane	ND		ug/kg	6.96	3.11	10	A
Alpha-BHC	ND		ug/kg	6.96	1.98	10	A
Beta-BHC	ND		ug/kg	16.7	6.34	10	A
Heptachlor	ND		ug/kg	8.36	3.74	10	A
Aldrin	ND		ug/kg	16.7	5.88	10	A
Heptachlor epoxide	ND		ug/kg	31.3	9.40	10	A
Endrin	ND		ug/kg	6.96	2.85	10	A
Endrin aldehyde	ND		ug/kg	20.9	7.31	10	A
Endrin ketone	ND		ug/kg	16.7	4.30	10	A
Dieldrin	ND		ug/kg	10.4	5.22	10	A
4,4'-DDE	ND		ug/kg	16.7	3.86	10	A
4,4'-DDD	ND		ug/kg	16.7	5.96	10	A
4,4'-DDT	ND		ug/kg	31.3	13.4	10	A
Endosulfan I	ND		ug/kg	16.7	3.95	10	A
Endosulfan II	ND		ug/kg	16.7	5.58	10	A
Endosulfan sulfate	ND		ug/kg	6.96	3.31	10	A
Methoxychlor	ND		ug/kg	31.3	9.75	10	A
Toxaphene	ND		ug/kg	313	87.7	10	A
cis-Chlordane	ND		ug/kg	20.9	5.82	10	A
trans-Chlordane	ND		ug/kg	20.9	5.51	10	A
Chlordane	ND		ug/kg	139	55.4	10	A

Project Name: BNY BUILDING 22/25**Lab Number:** L2112305**Project Number:** 170650301**Report Date:** 03/18/21**SAMPLE RESULTS**

Lab ID: L2112305-01 D

Date Collected: 03/11/21 12:10

Client ID: COMP01_031121

Date Received: 03/11/21

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	115		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-01 D
 Client ID: COMP01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 03/16/21 15:23
 Analyst: AR
 Percent Solids: 93%
 Methylation Date: 03/16/21 05:37

Extraction Method: EPA 8151A
 Extraction Date: 03/15/21 03:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	351	22.1	2	A
2,4,5-T	ND		ug/kg	351	10.9	2	A
2,4,5-TP (Silvex)	ND		ug/kg	351	9.34	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	A
DCAA	62		30-150	B

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/16/21 11:18
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 03/15/21 03:18

Methylation Date: 03/16/21 05:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1474365-1						
2,4-D	ND		ug/kg	165	10.4	A
2,4,5-T	ND		ug/kg	165	5.12	A
2,4,5-TP (Silvex)	ND		ug/kg	165	4.40	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	57		30-150	A
DCAA	52		30-150	B

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/17/21 14:12
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 03/16/21 05:26
Cleanup Method: EPA 3620B
Cleanup Date: 03/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1474811-1						
Delta-BHC	ND		ug/kg	1.55	0.303	A
Lindane	ND		ug/kg	0.645	0.288	A
Alpha-BHC	ND		ug/kg	0.645	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.587	A
Heptachlor	ND		ug/kg	0.774	0.347	A
Aldrin	ND		ug/kg	1.55	0.545	A
Heptachlor epoxide	ND		ug/kg	2.90	0.870	A
Endrin	ND		ug/kg	0.645	0.264	A
Endrin aldehyde	ND		ug/kg	1.93	0.677	A
Endrin ketone	ND		ug/kg	1.55	0.398	A
Dieldrin	ND		ug/kg	0.967	0.484	A
4,4'-DDE	ND		ug/kg	1.55	0.358	A
4,4'-DDD	ND		ug/kg	1.55	0.552	A
4,4'-DDT	ND		ug/kg	2.90	1.24	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.517	A
Endosulfan sulfate	ND		ug/kg	0.645	0.307	A
Methoxychlor	ND		ug/kg	2.90	0.903	A
Toxaphene	ND		ug/kg	29.0	8.12	A
cis-Chlordane	ND		ug/kg	1.93	0.539	A
trans-Chlordane	ND		ug/kg	1.93	0.511	A
Chlordane	ND		ug/kg	12.9	5.12	A

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/17/21 14:12
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 03/16/21 05:26
Cleanup Method: EPA 3620B
Cleanup Date: 03/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1474811-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	117		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1474365-2 WG1474365-3									
2,4-D	62		66		30-150	6		30	A
2,4,5-T	60		62		30-150	3		30	A
2,4,5-TP (Silvex)	60		62		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	61		61		30-150	A
DCAA	58		60		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Project Number: 170650301

Lab Number: L2112305

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1474811-2 WG1474811-3									
Delta-BHC	73		71		30-150	3		30	A
Lindane	74		72		30-150	3		30	A
Alpha-BHC	79		77		30-150	3		30	A
Beta-BHC	88		81		30-150	8		30	A
Heptachlor	78		75		30-150	4		30	A
Aldrin	70		67		30-150	4		30	A
Heptachlor epoxide	70		69		30-150	1		30	A
Endrin	79		79		30-150	0		30	A
Endrin aldehyde	71		73		30-150	3		30	A
Endrin ketone	80		80		30-150	0		30	A
Dieldrin	79		79		30-150	0		30	A
4,4'-DDE	69		68		30-150	1		30	A
4,4'-DDD	81		80		30-150	1		30	A
4,4'-DDT	82		81		30-150	1		30	A
Endosulfan I	72		71		30-150	1		30	A
Endosulfan II	77		76		30-150	1		30	A
Endosulfan sulfate	64		65		30-150	2		30	A
Methoxychlor	78		81		30-150	4		30	A
cis-Chlordane	56		56		30-150	0		30	A
trans-Chlordane	78		77		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Project Number: 170650301

Lab Number: L2112305

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1474811-2 WG1474811-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		82		30-150	A
Decachlorobiphenyl	73		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		68		30-150	B
Decachlorobiphenyl	106		66		30-150	B

METALS

Project Name: BNY BUILDING 22/25**Lab Number:** L2112305**Project Number:** 170650301**Report Date:** 03/18/21**SAMPLE RESULTS**

Lab ID: L2112305-01
 Client ID: COMP01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

TCLP/SPLP Ext. Date: 03/12/21 22:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/16/21 13:22	03/16/21 23:27	EPA 3015	1,6010D	BV
Barium, TCLP	0.324	J	mg/l	0.500	0.021	1	03/16/21 13:22	03/16/21 23:27	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/16/21 13:22	03/16/21 23:27	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/16/21 13:22	03/16/21 23:27	EPA 3015	1,6010D	BV
Lead, TCLP	0.315	J	mg/l	0.500	0.027	1	03/16/21 13:22	03/16/21 23:27	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	03/16/21 12:31	03/17/21 15:32	EPA 7470A	1,7470A	EW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/16/21 13:22	03/16/21 23:27	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/16/21 13:22	03/16/21 23:27	EPA 3015	1,6010D	BV



Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-01
 Client ID: COMP01_031121
 Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
 Date Received: 03/11/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3810		mg/kg	8.38	2.26	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Antimony, Total	0.436	J	mg/kg	4.19	0.319	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Arsenic, Total	2.78		mg/kg	0.838	0.174	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Barium, Total	40.9		mg/kg	0.838	0.146	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.419	0.028	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Cadmium, Total	0.478	J	mg/kg	0.838	0.082	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Calcium, Total	13300		mg/kg	8.38	2.93	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Chromium, Total	9.09		mg/kg	0.838	0.081	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Cobalt, Total	4.69		mg/kg	1.68	0.139	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Copper, Total	33.1		mg/kg	0.838	0.216	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Iron, Total	9680		mg/kg	4.19	0.757	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Lead, Total	265		mg/kg	4.19	0.225	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Magnesium, Total	3330		mg/kg	8.38	1.29	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Manganese, Total	142		mg/kg	0.838	0.133	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Mercury, Total	0.736		mg/kg	0.339	0.221	5	03/16/21 11:25	03/17/21 22:33	EPA 7471B	1,7471B	EW
Nickel, Total	17.2		mg/kg	2.10	0.203	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Potassium, Total	680		mg/kg	210	12.1	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.68	0.216	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.838	0.237	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Sodium, Total	546		mg/kg	168	2.64	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.68	0.264	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Vanadium, Total	21.8		mg/kg	0.838	0.170	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV
Zinc, Total	59.9		mg/kg	4.19	0.246	2	03/16/21 10:10	03/17/21 13:32	EPA 3050B	1,6010D	SV



Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1474565-1									
Arsenic, TCLP	ND	mg/l	1.00	0.019	1	03/16/21 12:30	03/16/21 21:08	1,6010D	SV
Barium, TCLP	ND	mg/l	0.500	0.021	1	03/16/21 12:30	03/16/21 21:08	1,6010D	SV
Cadmium, TCLP	ND	mg/l	0.100	0.010	1	03/16/21 12:30	03/16/21 21:08	1,6010D	SV
Chromium, TCLP	ND	mg/l	0.200	0.021	1	03/16/21 12:30	03/16/21 21:08	1,6010D	SV
Lead, TCLP	ND	mg/l	0.500	0.027	1	03/16/21 12:30	03/16/21 21:08	1,6010D	SV
Selenium, TCLP	ND	mg/l	0.500	0.035	1	03/16/21 12:30	03/16/21 21:08	1,6010D	SV
Silver, TCLP	ND	mg/l	0.100	0.028	1	03/16/21 12:30	03/16/21 21:08	1,6010D	SV

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 03/11/21 15:46

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1474568-1									
Mercury, TCLP	ND	mg/l	0.0010	0.0005	1	03/16/21 12:31	03/17/21 14:38	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 03/11/21 15:46

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1474672-1									
Aluminum, Total	ND	mg/kg	4.00	1.08	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Antimony, Total	ND	mg/kg	2.00	0.152	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Arsenic, Total	ND	mg/kg	0.400	0.083	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Barium, Total	ND	mg/kg	0.400	0.070	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Beryllium, Total	ND	mg/kg	0.200	0.013	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Cadmium, Total	ND	mg/kg	0.400	0.039	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Calcium, Total	4.53	mg/kg	4.00	1.40	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Chromium, Total	ND	mg/kg	0.400	0.038	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Cobalt, Total	ND	mg/kg	0.800	0.066	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV



Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Method Blank Analysis Batch Quality Control

Copper, Total	ND		mg/kg	0.400	0.103	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Iron, Total	0.584	J	mg/kg	2.00	0.361	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Manganese, Total	0.112	J	mg/kg	0.400	0.064	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Sodium, Total	ND		mg/kg	80.0	1.26	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/16/21 10:10	03/17/21 12:51	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1474679-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/16/21 11:25	03/17/21 21:36	1,7471B	EW

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Project Number: 170650301

Lab Number: L2112305

Report Date: 03/18/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1474565-2								
Arsenic, TCLP	104		-		75-125	-		20
Barium, TCLP	98		-		75-125	-		20
Cadmium, TCLP	104		-		75-125	-		20
Chromium, TCLP	98		-		75-125	-		20
Lead, TCLP	98		-		75-125	-		20
Selenium, TCLP	106		-		75-125	-		20
Silver, TCLP	95		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1474568-2								
Mercury, TCLP	87		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Project Number: 170650301

Lab Number: L2112305

Report Date: 03/18/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1474672-2 SRM Lot Number: D109-540					
Aluminum, Total	63	-	50-150	-	
Antimony, Total	149	-	19-250	-	
Arsenic, Total	98	-	70-130	-	
Barium, Total	95	-	75-125	-	
Beryllium, Total	101	-	75-125	-	
Cadmium, Total	105	-	75-125	-	
Calcium, Total	96	-	73-128	-	
Chromium, Total	97	-	70-130	-	
Cobalt, Total	103	-	75-125	-	
Copper, Total	93	-	75-125	-	
Iron, Total	84	-	35-165	-	
Lead, Total	92	-	72-128	-	
Magnesium, Total	85	-	62-138	-	
Manganese, Total	92	-	74-126	-	
Nickel, Total	104	-	70-130	-	
Selenium, Total	98	-	68-132	-	
Silver, Total	93	-	68-131	-	
Thallium, Total	98	-	68-131	-	
Vanadium, Total	91	-	59-141	-	
Zinc, Total	97	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1474679-2 SRM Lot Number: D109-540					
Mercury, Total	88	-	60-140	-	

Matrix Spike Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1474565-3 QC Sample: L2111958-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.24	103		-	-		75-125	-		20
Barium, TCLP	0.121J	20	19.8	99		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.533	104		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.97	98		-	-		75-125	-		20
Lead, TCLP	ND	5.1	4.99	98		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.24	103		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.484	97		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1474568-3 QC Sample: L2111958-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0207	83		-	-		80-120	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits		
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1474672-3 WG1474672-4 QC Sample: L2112299-09 Client ID: MS Sample											
Aluminum, Total	8330	176	10400	1180	Q	8990	376	Q	75-125	15	20
Antimony, Total	1.16J	44	26.2	60	Q	27.7	63	Q	75-125	6	20
Arsenic, Total	6.47	10.6	13.5	67	Q	15.7	88		75-125	15	20
Barium, Total	63.2	176	196	76		192	73	Q	75-125	2	20
Beryllium, Total	0.445	4.4	3.60	72	Q	3.61	72	Q	75-125	0	20
Cadmium, Total	4.14	4.48	6.64	56	Q	7.16	67	Q	75-125	8	20
Calcium, Total	6890	879	5700	0	Q	4590	0	Q	75-125	22	Q 20
Chromium, Total	17.7	17.6	31.2	77		36.0	104		75-125	14	20
Cobalt, Total	6.85	44	36.8	68	Q	36.9	68	Q	75-125	0	20
Copper, Total	22.2	22	37.9	71	Q	37.5	70	Q	75-125	1	20
Iron, Total	17500	87.9	17600	114		17300	0	Q	75-125	2	20
Lead, Total	25.0	44.8	56.2	70	Q	56.4	70	Q	75-125	0	20
Magnesium, Total	4280	879	4940	75		4070	0	Q	75-125	19	20
Manganese, Total	279	44	325	105		279	0	Q	75-125	15	20
Nickel, Total	14.0	44	44.1	68	Q	43.6	67	Q	75-125	1	20
Potassium, Total	1750	879	2530	89		2340	67	Q	75-125	8	20
Selenium, Total	ND	10.6	6.48	61	Q	6.68	63	Q	75-125	3	20
Silver, Total	ND	26.4	18.5	70	Q	18.9	72	Q	75-125	2	20
Sodium, Total	835	879	1340	57	Q	1320	55	Q	75-125	2	20
Thallium, Total	ND	10.6	6.21	59	Q	6.46	61	Q	75-125	4	20
Vanadium, Total	28.5	44	60.7	73	Q	60.7	73	Q	75-125	0	20

Matrix Spike Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1474672-3 WG1474672-4 QC Sample: L2112299-09 Client ID: MS Sample									
Zinc, Total	198	44	224	59	Q	211	30	Q	75-125 6 20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1474679-3 QC Sample: L2112305-01 Client ID: COMP01_031121									
Mercury, Total	0.736	0.136	3.74	2210	Q	-	-	-	80-120 - 20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1474565-4 QC Sample: L2111958-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.121J	0.121J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1474568-4 QC Sample: L2111958-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1474679-4 QC Sample: L2112305-01 Client ID: COMP01_031121						
Mercury, Total	0.736	0.895	mg/kg	19		20



Project Name: BNY BUILDING 22/25

Project Number: 170650301

**Lab Serial Dilution
Analysis**
Batch Quality Control

Lab Number: L2112305

Report Date: 03/18/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1474672-6 QC Sample: L2112299-09 Client ID: DUP Sample						
Chromium, Total	17.7	23.4	mg/kg	32	Q	20

INORGANICS & MISCELLANEOUS

Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-01
Client ID: COMP01_031121
Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
Date Received: 03/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/16/21 11:30	1,1030	IS



Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-01
Client ID: COMP01_031121
Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:10
Date Received: 03/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	03/12/21 09:33	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	03/16/21 23:30	03/17/21 15:40	1,9010C/9012B	CR
pH (H)	10.3		SU	-	NA	1	-	03/12/21 19:30	1,9045D	AS
Chromium, Hexavalent	0.572	J	mg/kg	0.864	0.173	1	03/16/21 11:25	03/16/21 21:24	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/16/21 19:00	03/16/21 21:45	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/16/21 19:00	03/16/21 21:55	125,7.3	TL
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	03/16/21 14:52	1,9095B	AS



Project Name: BNY BUILDING 22/25

Project Number: 170650301

Lab Number: L2112305

Report Date: 03/18/21

SAMPLE RESULTS

Lab ID: L2112305-02

Client ID: GRAB01_031121

Sample Location: BROOKLYN, NY

Date Collected: 03/11/21 12:15

Date Received: 03/11/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	03/13/21 11:14	121,2540G	RI



Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1475050-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/16/21 11:25	03/16/21 21:24	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1475126-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/16/21 19:00	03/16/21 21:42	125,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1475128-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/16/21 19:00	03/16/21 21:51	125,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1475146-1										
Cyanide, Total	ND		mg/kg	0.96	0.20	1	03/16/21 23:30	03/17/21 15:08	1,9010C/9012B	CR

Lab Control Sample Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Project Number: 170650301

Lab Number: L2112305

Report Date: 03/18/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1473945-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1475050-2								
Chromium, Hexavalent	104		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1475126-2								
Cyanide, Reactive	87		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1475128-2								
Sulfide, Reactive	94		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1475146-2 WG1475146-3								
Cyanide, Total	60	Q	70	Q	80-120	18		35

Matrix Spike Analysis Batch Quality Control

Project Name: BNY BUILDING 22/25

Lab Number: L2112305

Project Number: 170650301

Report Date: 03/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1475050-4 QC Sample: L2112305-01 Client ID: COMP01_031121												
Chromium, Hexavalent	0.572J	1170	1270	109	-	-	-	-	75-125	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1475146-4 WG1475146-5 QC Sample: L2111933-01 Client ID: MS Sample												
Cyanide, Total	ND	11	9.2	85	7.2	67	Q	Q	75-125	24	Q	35

Lab Duplicate Analysis

Batch Quality Control

Project Name: BNY BUILDING 22/25

Project Number: 170650301

Lab Number: L2112305

Report Date: 03/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1473622-1 QC Sample: L2111770-01 Client ID: DUP Sample						
Solids, Total	68.7	63.7	%	8		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1473945-2 QC Sample: L2111976-01 Client ID: DUP Sample						
pH	6.2	6.1	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1474093-1 QC Sample: L2112647-01 Client ID: DUP Sample						
Solids, Total	92.0	90.2	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1475050-6 QC Sample: L2112305-01 Client ID: COMP01_031121						
Chromium, Hexavalent	0.572J	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1475126-3 QC Sample: L2112141-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1475128-3 QC Sample: L2112141-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: BNY BUILDING 22/25

Project Number: 170650301

Serial_No:03182114:19

Lab Number: L2112305

Report Date: 03/18/21

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2112305-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2112305-01B	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		REACTS(14),NYTCL-8270(14),IGNIT-1030(14),TCN-9010(14),HERB-APA(14),NJEPH-TPH-CAT1(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),REACTCN(14),NYTCL-8082(14),HEXCR-7196(30)
L2112305-01C	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		REACTS(14),NYTCL-8270(14),IGNIT-1030(14),TCN-9010(14),HERB-APA(14),NJEPH-TPH-CAT1(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),REACTCN(14),NYTCL-8082(14),HEXCR-7196(30)
L2112305-01D	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		REACTS(14),NYTCL-8270(14),IGNIT-1030(14),TCN-9010(14),HERB-APA(14),NJEPH-TPH-CAT1(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),REACTCN(14),NYTCL-8082(14),HEXCR-7196(30)
L2112305-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.7	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2112305-01X9	Tumble Vessel	A	NA		3.7	Y	Absent		-
L2112305-02A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2112305-02B	Vial water preserved	A	NA		3.7	Y	Absent	12-MAR-21 00:26	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2112305-02C	Vial water preserved	A	NA		3.7	Y	Absent	12-MAR-21 00:26	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2112305-02D	Plastic 120ml unpreserved	A	NA		3.7	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days



Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: BNY BUILDING 22/25
Project Number: 170650301

Lab Number: L2112305
Report Date: 03/18/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	Date Rec'd in Lab	ALPHA Job #									
		1 of 1	03/11/21	L212305									
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Project Information		Deliverables	Billing Information								
Project Name: <u>BNY Building 22/25</u> Project Location: <u>170 G503015</u> Project # <u>Brooklyn, NY</u> (Use Project name as Project #) <input type="checkbox"/>		Project Manager: <u>Paul McMahon</u> ALPHAQuote #:		<input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> Other	<input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (4 File) PO #								
Client Information		Regulatory Requirement		Disposal Site Information									
Client: <u>Langan</u> Address: <u>21 Penn Plaza, 360 W 37th St., 8th Floor, New York, NY</u> Phone: <u>212-479-5400</u> Fax: Email: <u>pmcmahon@langan.com</u>		<input type="checkbox"/> NY TOGS <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> NY CP-51 <input type="checkbox"/> Other									
Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)									
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: <u>please also email to dpakizzolo@langan.com and dotamanagement@langan.com</u>		ANALYSIS		Total Bottles									
Please specify Metals or TAL.		<table border="1" style="width:100%; font-size: x-small;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">MSDEC Part 375/ TCL VOCs</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">NJDEP VOCs</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">MSDEC Part 375/ TCL SVOCs</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">PCBs</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Pesticides/Ac to acids</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TKL/TCLL Metals</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Hexavalent Chrom.</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">NJDEP EPH, PCB, Charac., Paint Filter</td> </tr> </table>				MSDEC Part 375/ TCL VOCs	NJDEP VOCs	MSDEC Part 375/ TCL SVOCs	PCBs	Pesticides/Ac to acids	TKL/TCLL Metals	Hexavalent Chrom.	NJDEP EPH, PCB, Charac., Paint Filter
MSDEC Part 375/ TCL VOCs	NJDEP VOCs	MSDEC Part 375/ TCL SVOCs	PCBs	Pesticides/Ac to acids	TKL/TCLL Metals	Hexavalent Chrom.	NJDEP EPH, PCB, Charac., Paint Filter						
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials								
		Date	Time										
	<u>12305-01</u>	<u>03/11/21</u>	<u>12:10</u>	<u>S</u>	<u>TZ</u>								
	<u>-02</u>	<u>03/11/21</u>	<u>12:15</u>	<u>S</u>	<u>TZ</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ KE = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)					
		Relinquished By:		Date/Time		Received By:		Date/Time					
		<u>Tyler Barn</u>		<u>03/11/21</u>		<u>Paul Mazzella</u>		<u>3/11/21 1640</u>					
		<u>Paul Mazzella</u>		<u>3/11/21 1740</u>		<u>Paul Mazzella</u>		<u>3/11/21 2130</u>					

ATTACHMENT 6

DISPOSAL DOCUMENTATION

Sent via e-mail

April 23, 2021

Paul McMahon
Langan Environmental
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-2727

Approval #: 213071510

RE: Brooklyn Navy Yard | Flushing
63 Flushing Avenue Building 22 Brooklyn, NY 11205

Dear Mr. McMahon,

Clean Earth of Carteret, LLC. (CEC) is pleased to provide you with the following pre-acceptance letter for the soil material being generated from the site referenced above. We reviewed the Material Profile Sheet and analytical results performed by Alpha Analytical (Project No.: L2112305) for the above referenced site. Based upon the review of the data provided, CEC can accept the non-hazardous excavated material being generated from the site above.

This letter serves as approval consideration of ~ 5 tons of non-hazardous excavated material represented by waste class sample ID designated 'COMP01_031121', and all related grab samples to be generated from construction activities at the site.

Currently CEC has enough analysis on hand to cover estimated quantity of material. In the event the volume exceeds approved tonnages, the facility is permitted to analyze missing parameters by collecting soil samples from incoming loads. Please note that TPH analysis (every 600 Tons) will be required to comply with CEC's Class B permit. In the essence of saving time, CEC will collect the additional samples as required upon arrival at the facility to meet the CEC analytical requirements.

Please provide the approval number when scheduling and include the approval number and grid location ID on all manifests when shipping soils generated from this site. CEC can only accept non-Hazardous soil material. Any soils with free petroleum product or liquids, sludge's, or hazardous waste cannot be accepted. The generator will be notified of any non-conforming material. Processing of the soil will be performed under NJDEP Recycling Center Permit No. CBG190002.

If you should have any questions or require any additional information, please contact me at (732) 541-8909 Ext 1966.

Sincerely,



Lawrenzo Yengwia
Clean Earth of Carteret, LLC.

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket:2492633

	Date	Time	Scale
In:	04/23/2021	13:31:10	CEC
Out:	04/23/2021	13:31:10	CEC

	Lbs.	Tns
Manifest:2304877	Gross: 34,340	17.17
Vehicle:07AVA26	Tare: 28,540	14.27
Decal:	Net: 5,800	2.90

Customer:Forrester Fence Company
Generator:Brooklyn Navy Yard
Address:Development
63 Flushing Avenue
Brooklyn, NY 11205

Carrier:Logitech Transport, LLC
Profile #:213071510

Job:Brooklyn Navy Yard-Bldg #22
Address:63 Flushing Avenue
BROOKLYN, NY 11205

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret
Barry Gibson



Manifest # 2304877

GLOBAL JOB NUMBER: 1002480 ^{1003A32}

FACILITY APPROVAL NUMBER: 20207207Z ²¹³⁰⁷¹⁵¹⁰

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>National Elevator Cab and</u> M259-118M McKinley Playground	GROSS WEIGHT:
<u>East 3rd St & Avenue A</u>	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>New York, NY 10009</u>	TARE WEIGHT:
<u>Flushing Avenue</u>	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>Building 23 Brooklyn</u>	NET WEIGHT:
<u>NY</u>	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

COMP01-031121

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: DOUGEN DAWSON Title: NA

Signature: [Signature] Date and Time: 4/23/21

TRANSPORTER

Company: Logitech Transport, LLC Phone Number: (908) 686-7595

Address: P.O Box 787, Hillside NJ 07205 Truck # and License Plate: AW975P

Driver: Paul SW Haulers Permit #: NJ-1012

(Type or Print Clearly)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 4-23-21

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 4-23-21

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: 4/23/21

Brooklyn Navy Yard, Building 127 - Catch Basin Repairs, 2021-10-25

Created	2021-10-25 11:57:35 UTC by Ron Tramposch
Updated	2021-10-25 20:30:38 UTC by Ron Tramposch
Location	40.7004801, -73.9773624

Basic Information

Client	Brooklyn Navy Yard
Project Name	Building 127 - Catch Basin Repairs
On-Site CORE Representative	Jacob Thomann
CORE Project Manager	Ron Tramposch
General Contractor	Raytone Plumbing
Date	2021-10-25
Arrive On-Site	07:00
Depart Site	17:00

Conditions

Cool, Overcast, 64, 4, NE, 07:58

Weather	Cool, Overcast
Temperature (F)	64
Wind Speed (MPH)	4
Wind Direction	NE
Time	07:58

Material

Concrete, 10, Cubic Yards, Excavation Pit, Offsite

Material	Concrete
Quantity	10
Unit of Measure	Cubic Yards
Source	Excavation Pit
Destination	Offsite
Time	15:28

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No
Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	No

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

07:30, Raytone onsite.

Time	07:30
Description	Raytone onsite.

07:45, Raytone setting up equipment and machinery for catch basin repairs.

Time	07:45
Description	Raytone setting up equipment and machinery for catch basin repairs.

08:24, Repairs. Begins jack hammering site cover. Air monitors setup at upwind and downwind of site.

Time	08:24
Description	Repairs. Begins jack hammering site cover. Air monitors setup at upwind and downwind of site.

08:48, Raytone continue digging at two catch basins.

Time	08:48
Description	Raytone continue digging at two catch basins.

09:17, Raytone continue digging at two catch basins.

Time	09:17
Description	Raytone continue digging at two catch basins.

09:51, Raytone continue digging at two catch basins.

Time	09:51
Description	Raytone continue digging at two catch basins.

10:22, Raytone installing the catch basins/ continue digging

Time	10:22
Description	Raytone installing the catch basins/ continue digging

11:40, Raytone installing the catch basins / continue digging

Time	11:40
Description	Raytone installing the catch basins / continue digging

13:19, Raytone installing the catch basins / continue digging

Time	13:19
Description	Raytone installing the catch basins / continue digging

14:42, Raytone installing the catch basins / continue digging

Time	14:42
Description	Raytone installing the catch basins / continue digging

15:15, Raytone load truck full of concrete and bricks

Time	15:15
Description	Raytone load truck full of concrete and bricks

15:47, Raytone installing the catch basins / continue digging

Time	15:47
Description	Raytone installing the catch basins / continue digging

16:30, Raytone cover excavation area.

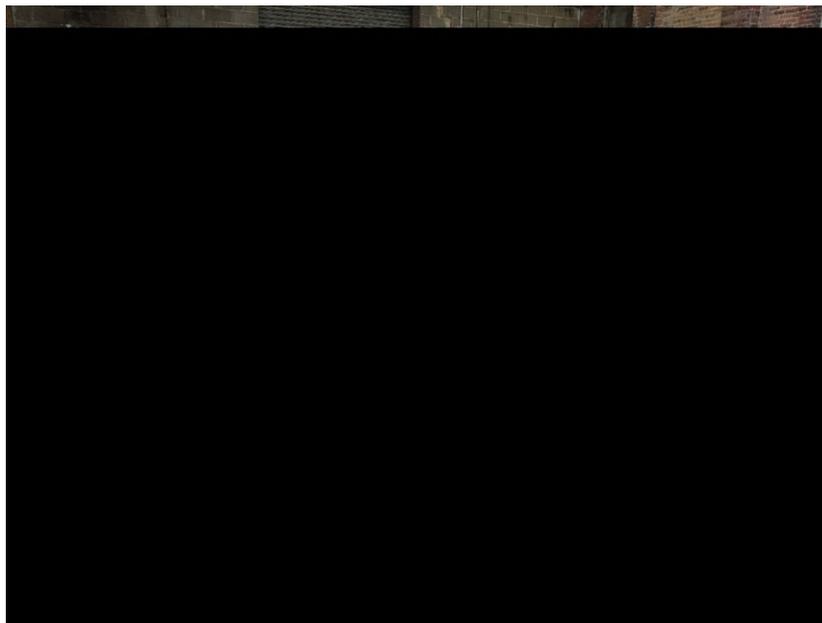
Time	16:30
Description	Raytone cover excavation area.

Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Excavation area

Photo



Time	08:25
Description	Excavation area

Air monitors

Photo



Time

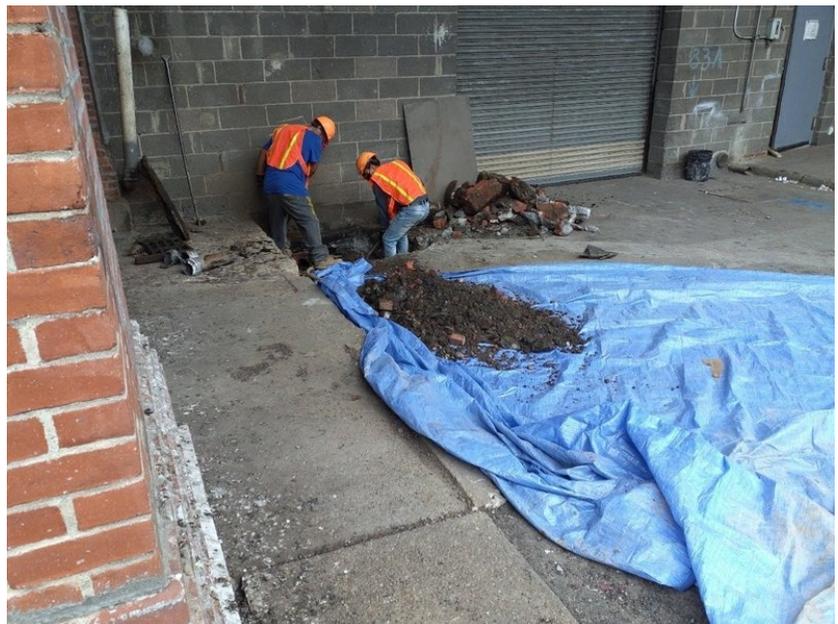
08:25

Description

Air monitors

Hand digging soil

Photo



Time

08:48

Description

Hand digging soil

Concrete and brick

Photo



Time

09:16

Description

Concrete and brick

75 upwind

Photo



Time

09:19

Description

75 upwind

Soil

Photo

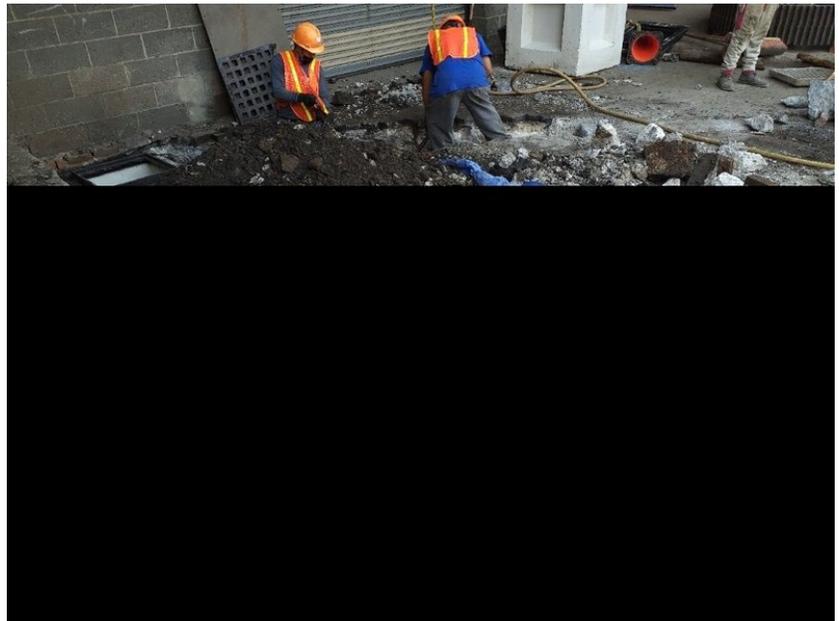


Time 09:51

Description Soil

Soil on poly

Photo



Time 13:19

Description Soil on poly

Catch basins

Photo



Time	15:44
------	-------

Description	Catch basins
-------------	--------------

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

PM-10, Dusttrak Monitor, Downwind, 09:17, 0.025

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	09:17
Concentration (ppm)	0.025

PM-10, Dusttrak Monitor, Upwind, 09:19, 0.023

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	09:19
Concentration (ppm)	0.023

VOCs, Dusttrak Monitor, Downwind, 11:45, 0.037

Pollutant	VOCs
Device	Dusttrak Monitor
Location	Downwind
Time	11:45

Concentration (ppm)	0.037
---------------------	-------

VOCs, Dusttrak Monitor, Upwind, 11:47, 0.024

Pollutant	VOCs
Device	Dusttrak Monitor
Location	Upwind
Time	11:47
Concentration (ppm)	0.024

VOCs, MiniRAE 2000, Downwind, 15:48, 0

Pollutant	VOCs
Device	MiniRAE 2000
Location	Downwind
Time	15:48
Concentration (ppm)	0

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Brooklyn Navy Yard, Building 127 - Catch Basin Repairs, 2021-10-27

Created	2021-10-27 11:43:18 UTC by Ron Tramposch
Updated	2021-10-27 18:52:02 UTC by Ron Tramposch
Location	40.7004801, -73.9773624

Basic Information

Client	Brooklyn Navy Yard
Project Name	Building 127 - Catch Basin Repairs
On-Site CORE Representative	Jacob Thomann
CORE Project Manager	Ron Tramposch
General Contractor	Raytone Plumbing
Date	2021-10-27
Arrive On-Site	07:00
Depart Site	16:00

Conditions

Cool, Overcast, 58, 11, SE, 07:44

Weather	Cool, Overcast
Temperature (F)	58
Wind Speed (MPH)	11
Wind Direction	SE
Time	07:44

Material

Concrete, 5, Cubic Yards, Excavation Pit, Onsite

Material	Concrete
Quantity	5
Unit of Measure	Cubic Yards
Source	Excavation Pit
Destination	Onsite
Time	12:59

Concrete, 5, Cubic Yards, Onsite, Offsite

Material	Concrete
Quantity	5
Unit of Measure	Cubic Yards
Source	Onsite
Destination	Offsite
Time	14:26

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No

Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	No

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

07:00, Raytone and Jacob Thomann onsite.

Time	07:00
Description	Raytone and Jacob Thomann onsite.

07:30, Air monitors setup at upwind and downwind of site. Dusttrak 75 is downwind today. Raytone begin jack hammering/excavating at catch basins.

Time	07:30
Description	Air monitors setup at upwind and downwind of site. Dusttrak 75 is downwind today. Raytone begin jack hammering/excavating at catch basins.

09:26, Raytone continue jack hammering/excavating at catch basins.

Time	09:26
Description	Raytone continue jack hammering/excavating at catch basins.

10:09, Raytone continue jack hammering/excavating at catch basins.

Time	10:09
Description	Raytone continue jack hammering/excavating at catch basins.

12:55, Raytone continue jack hammering/excavating at catch basins.

Time	12:55
Description	Raytone continue jack hammering/excavating at catch basins.

14:26, Raytone backfill and prep for restoration of site cover.

Time	14:26
Description	Raytone backfill and prep for restoration of site cover.

15:26, Raytone restore site cover.

Time	15:26
Description	Raytone restore site cover.

Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Air monitors

Photo



Time

07:47

Description

Air monitors

Soil

Photo



Time

07:49

Description

Soil

Soil

Photo



Time 10:10

Description Soil

Concrete

Photo

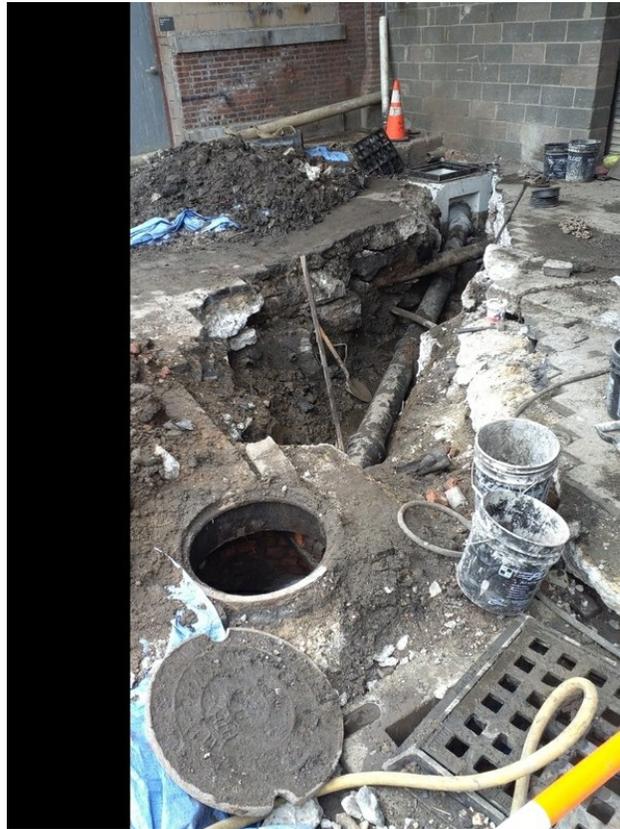


Time 12:55

Description Concrete

Excavation pit

Photo



Time	12:59
Description	Excavation pit

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

PM-10, Dusttrak Monitor, Upwind, 10:09, 0.006

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	10:09
Concentration (ppm)	0.006

PM-10, Dusttrak Monitor, Downwind, 12:56, 0.005

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	12:56
Concentration (ppm)	0.005

VOCs, MiniRAE 2000, Soil Excavation Area, 12:57, 0

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Excavation Area
Time	12:57

Concentration (ppm)

0

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Brooklyn Navy Yard, Building 77 Sidewalk Repair, 2021-10-08

Created	2021-10-08 13:12:57 UTC by Ron Tramposch
Updated	2021-10-11 11:20:41 UTC by Ron Tramposch
Location	40.6993364, -73.9703988

Basic Information

Client	Brooklyn Navy Yard
Project Name	Building 77 Sidewalk Repair
On-Site CORE Representative	Chris Erickson
CORE Project Manager	Ron Tramposch
Date	2021-10-08
Arrive On-Site	08:30
Depart Site	15:20

Conditions

Clear, Overcast, 66, 0, NW, 09:14

Weather	Clear, Overcast
Temperature (F)	66
Wind Speed (MPH)	0
Wind Direction	NW
Time	09:14

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No
Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	No

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

09:05, Starting hammering concrete at first westernmost location

Time	09:05
Description	Starting hammering concrete at first westernmost location

10:00, Started using jackhammer on westernmost concrete repair

Time	10:00
Description	Started using jackhammer on westernmost concrete repair

11:29, Continuing jackhammering and started using sawcutter and removing concrete along westernmost sidewalk repair

Time	11:29
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Description

Continuing jackhammering and started using sawcutter and removing concrete along westernmost sidewalk repair

Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Upwind first westernmost sidewalk repair (FA0075)

Photo



Time

09:16

Description

Upwind first westernmost sidewalk repair (FA0075)

Downwind westernmost sidewalk repair (FA0074)

Photo



Time

09:19

Description

Downwind westernmost sidewalk repair (FA0074)

Westernmost sidewalk repair

Photo



Time

09:40

Description

Westernmost sidewalk repair

Westernmost concrete repair

Photo



Time

12:15

Description

Westernmost concrete repair

Corner sidewalk repair

Photo



Time	12:16
Description	Corner sidewalk repair

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

VOCs, MiniRAE 2000, Downwind, 09:24, 0.3

Pollutant	VOCs
Device	MiniRAE 2000
Location	Downwind
Time	09:24
Concentration (ppm)	0.3

PM-10, Dusttrak Monitor, Downwind, 09:24, 0.049

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	09:24
Concentration (ppm)	0.049

PM-10, Dusttrak Monitor, Upwind, 09:25, 0.053

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	09:25
Concentration (ppm)	0.053

PM-10, Dusttrak Monitor, Upwind, 09:59, 0.056

Pollutant	PM-10
Device	Dusttrak Monitor

Location	Upwind
Time	09:59
Concentration (ppm)	0.056

PM-10, Dusttrak Monitor, Downwind, 09:59, 58

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	09:59
Concentration (ppm)	58

PM-10, Dusttrak Monitor, Upwind, 11:03, 0.05

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	11:03
Concentration (ppm)	0.05

PM-10, Dusttrak Monitor, Downwind, 11:04, 5

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	11:04
Concentration (ppm)	5

PM-10, Dusttrak Monitor, Upwind, 11:30, 0.52

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	11:30
Concentration (ppm)	0.52

PM-10, Dusttrak Monitor, Downwind, 11:30, 0.058

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	11:30
Concentration (ppm)	0.058

PM-10, Dusttrak Monitor, Upwind, 12:19, 0.03

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	12:19
Concentration (ppm)	0.03

PM-10, Dusttrak Monitor, Downwind, 12:19, 0.04

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	12:19
Concentration (ppm)	0.04

PM-10, Dustrak Monitor, Downwind, 12:50, 0.015

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	12:50
Concentration (ppm)	0.015

PM-10, Dustrak Monitor, Upwind, 12:51, 0.016

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	12:51
Concentration (ppm)	0.016

PM-10, Dustrak Monitor, Upwind, 13:15, 0.016

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	13:15
Concentration (ppm)	0.016

PM-10, Dustrak Monitor, Downwind, 13:17, 0.02

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	13:17
Concentration (ppm)	0.02

PM-10, Dustrak Monitor, Upwind, 13:51, 0.075

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	13:51
Concentration (ppm)	0.075

PM-10, Dustrak Monitor, Downwind, 13:51, 0.019

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	13:51

Concentration (ppm)	0.019
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PM-10, Dusttrak Monitor, Upwind, 14:23, 0.05

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	14:23
Concentration (ppm)	0.05

PM-10, Dusttrak Monitor, Downwind, 14:24, 0.05

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	14:24
Concentration (ppm)	0.05

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Brooklyn Navy Yard, Building 280 Steam Leak Repair, 2021-04-28

Created	2021-04-28 12:34:09 UTC by Ron Tramposch
Updated	2021-04-29 12:06:42 UTC by Ron Tramposch
Location	40.6988283, -73.9749096

Basic Information

Client	Brooklyn Navy Yard
Project Name	Building 280 Steam Leak Repair
On-Site CORE Representative	Mike Ganbarg
CORE Project Manager	Ron Tramposch
General Contractor	Raytone Plumbing
Date	2021-04-28
Arrive On-Site	07:35
Depart Site	13:02

Conditions

Clear, 60, 5, NE, 08:35

Weather	Clear
Temperature (F)	60
Wind Speed (MPH)	5
Wind Direction	NE
Time	08:35

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No
Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	Yes

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

08:49, Monitors are completely set up and calibrated. Jack hammering of asphalt blacktop begins. Upon removal of blacktop, excavator is used to remove soil from the hole and soil is placed on tarp north of excavation.

Time	08:49
Description	Monitors are completely set up and calibrated. Jack hammering of asphalt blacktop begins. Upon removal of blacktop, excavator is used to remove soil from the hole and soil is placed on tarp north of excavation.

09:18, Shovel digging excavation.

Time	09:18
Description	Shovel digging excavation.

09:57, Hand shoveling around exposed pipe. Trying to find leak.

Time	09:57
Description	Hand shoveling around exposed pipe. Trying to find leak.

10:23, Continue hand shovel use.

Time	10:23
Description	Continue hand shovel use.

10:25, Note: 00074 is in NE, 00075 is in SW

Time	10:25
Description	Note: 00074 is in NE, 00075 is in SW

11:02, Pipe exposed. No work currently until steam turned on.

Time	11:02
Description	Pipe exposed. No work currently until steam turned on.

11:32, Begin digging again underneath pipe. Leveling out dirt for plate.

Time	11:32
Description	Begin digging again underneath pipe. Leveling out dirt for plate.

11:54, Digging concludes. Inserting metal plate into excavation & covering soil

Time	11:54
Description	Digging concludes. Inserting metal plate into excavation & covering soil

12:26, Crushed stone from asphalt blacktop loaded into truck. Metal plate covers hole. Soil/dirt staged north of hole covering.

Time	12:26
Description	Crushed stone from asphalt blacktop loaded into truck. Metal plate covers hole. Soil/dirt staged north of hole covering.

Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Blacktop dig location

Photo



Time

08:38

Description

Blacktop dig location

Shoveling excavation.

Photo



Time

09:19

Description

Shoveling excavation.

Exposed pipe

Photo



Time 09:57

Description Exposed pipe

Covered site

Photo



Time 12:29

Description Covered site

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

VOCs, MiniRAE 2000, Soil Excavation Area, 09:20, 0

Pollutant VOCs

Device MiniRAE 2000

Location	Soil Excavation Area
Time	09:20
Concentration (ppm)	0

PM-10, Dusttrak Monitor, Upwind, 09:20, 0.034

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	09:20
Concentration (ppm)	0.034

VOCs, MiniRAE 2000, Soil Excavation Area, 11:04, 0

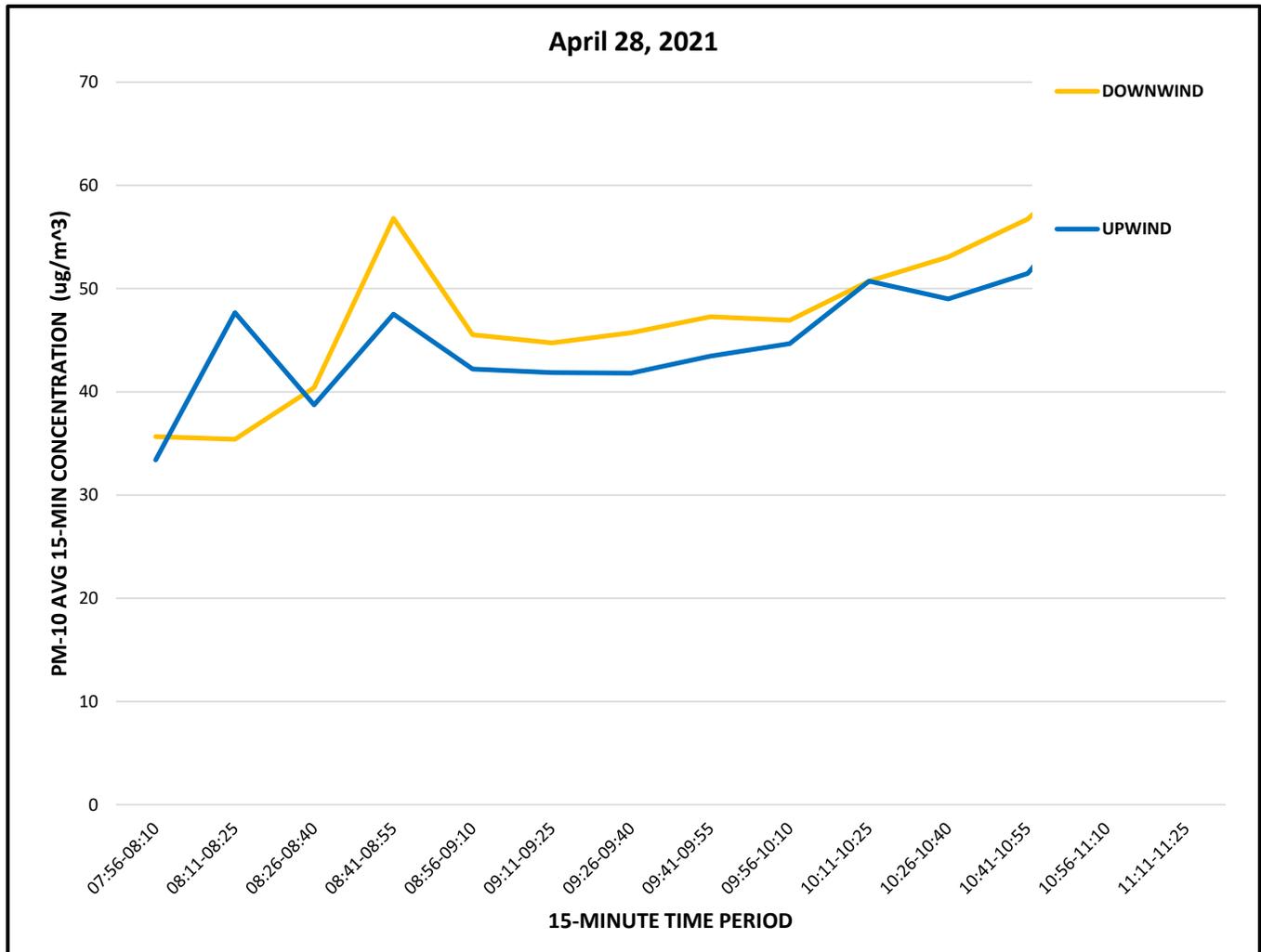
Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Excavation Area
Time	11:04
Concentration (ppm)	0

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Wednesday, April 28, 2021

15-MIN TIME PERIOD	DOWNWIND PM-10 (ug/m ³)	UPWIND PM-10 (ug/m ³)
07:41-07:55	33	33
07:56-08:10	36	33
08:11-08:25	35	48
08:26-08:40	40	39
08:41-08:55	57	48
08:56-09:10	46	42
09:11-09:25	45	42
09:26-09:40	46	42
09:41-09:55	47	43
09:56-10:10	47	45
10:11-10:25	51	51
10:26-10:40	53	49
10:41-10:55	57	51
10:56-11:10	64	60
11:11-11:25	56	53



Daily Status Report		
<u>Project Information</u>		
Project: Building 292 Sidewalk Repair On-Site CORE Representative: Joseph Zaheer CORE Project Manager: Ronald Tramosch General Contractor: Luigi Caliendo & Sons, Inc.		
<u>Report Date</u>		
Date: 8/11/2021 Arrive On-Site: 7:30 Depart Site: 9:30	Report No.: NTP Date: Days from NTP:	
<u>Site Conditions</u>		
Temp: 75 F Condition: Partly Cloudy Wind: SW 4MPH	<u>Project Schedule</u>	
<u>Check List</u>		
	<u>Y/N</u>	Number of Samples
Were there any work stoppages?	N	
Were air monitors calibrated prior to work?	Y	
Was there any contamination observed?	N	
Were any samples collected?	N	
Was any soil hauled off site?	N	
Were there any air monitoring exceedances?	N	
Is photo log attached?	Y	
<u>Summary of Work Performed</u>		
7:30 CORE arrived on site to set up 8:00 Contractor arrived and began preliminary work and sidewalk cutting 8:11 All readings seem appropriate. A little raise during sidewalk cutting 8:30 All readings within normal range. Soil now exposed 8:45 No signs of dust in air, soil being tamped down, and all readings within range 8:54 Site ready for concrete pour, soil no longer being disturbed, and all readings within range 9:30 CORE was off site for concrete pour		
<u>Problems / Comments / Concerns</u>		

TrakPro Version 4.70 ASCII Data File

Model: DustTrak II
 Model Number: 8530
 Serial Number: 8530114002
 Test ID: 87
 Test Abbreviation: MANUAL_087
 Start Date: 8/11/2021
 Start Time: 7:00:21
 Duration (dd:hh:mm:ss): 0:23:38:00
 Log Interval (mm:ss): 1:00
 Number of points: 58
 Notes: ERROR: MAX PM1

Statistics Channel: AEROSOL
 Units: mg/m³
 Average: 0.059
 Minimum: 0
 Time of Minimum: 15:20:51
 Date of Minimum: 8/11/2021
 Maximum: 1
 Time of Maximum: 7:15:21
 Date of Maximum: 8/11/2021

Calibration Sensor: AEROSOL
 Cal. date 10/22/2018

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
8/11/2021	7:01:21	0.041
8/11/2021	7:02:21	0.042
8/11/2021	7:03:21	0.045
8/11/2021	7:04:21	0.043
8/11/2021	7:05:21	0.196
8/11/2021	7:06:21	0.131
8/11/2021	7:07:21	0.108
8/11/2021	7:08:21	0.046
8/11/2021	7:09:21	0.048
8/11/2021	7:10:21	0.038
8/11/2021	7:11:21	0.038
8/11/2021	7:12:21	0.039
8/11/2021	7:13:21	0.038
8/11/2021	7:14:21	0.035
8/11/2021	7:15:21	1
8/11/2021	7:16:21	0.062
8/11/2021	7:17:21	0.065
8/11/2021	7:18:21	0.054

8/11/2021	7:19:21	0.054
8/11/2021	7:20:21	0.039
8/11/2021	7:21:21	0.035
8/11/2021	7:22:21	0.034
8/11/2021	7:23:21	0.055
8/11/2021	7:24:21	0.039
8/11/2021	7:25:21	0.035
8/11/2021	7:26:21	0.035
8/11/2021	7:27:21	0.033
8/11/2021	7:28:21	0.031
8/11/2021	7:29:21	0.032
8/11/2021	7:30:21	0.033
8/11/2021	7:31:21	0.037
8/11/2021	7:32:21	0.036
8/11/2021	7:33:21	0.037
8/11/2021	7:34:21	0.046
8/11/2021	7:35:21	0.035
8/11/2021	7:36:21	0.032
8/11/2021	7:37:21	0.031
8/11/2021	7:38:21	0.033
8/11/2021	7:39:21	0.032
8/11/2021	7:40:21	0.032
8/11/2021	7:41:21	0.032
8/11/2021	7:42:21	0.032
8/11/2021	7:43:21	0.032
8/11/2021	7:44:21	0.031
8/11/2021	7:45:21	0.031
8/11/2021	7:46:21	0.031
8/11/2021	7:47:21	0.031
8/11/2021	7:48:21	0.034
8/11/2021	7:49:21	0.034
8/11/2021	7:50:21	0.033
8/11/2021	7:51:21	0.035
8/11/2021	7:52:21	0.037
8/11/2021	7:53:21	0.033
8/11/2021	15:20:51	0
8/11/2021	15:21:21	0.021
8/11/2021	15:22:21	0.01
8/12/2021	6:38:18	0
8/12/2021	6:38:21	0.06

TrakPro Version 4.70 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8530114003
Test ID: 77
Test Abbreviation: MANUAL_077
Start Date: 8/11/2021
Start Time: 7:05:43
Duration (dd:hh:mm:ss): 0:23:38:00
Log Interval (mm:ss): 1:00
Number of points: 50
Notes: ERROR: MAX PM1

Statistics Channel: AEROSOL
Units: mg/m³
Average: 0.032
Minimum: 0
Time of Minimum: 15:21:54
Date of Minimum: 8/11/2021
Maximum: 0.054
Time of Maximum: 6:43:43
Date of Maximum: 8/12/2021

Calibration Sensor: AEROSOL
Cal. date 4/8/2019

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m ³
8/11/2021	7:06:43	0.04
8/11/2021	7:07:43	0.037
8/11/2021	7:08:43	0.038
8/11/2021	7:09:43	0.035
8/11/2021	7:10:43	0.035
8/11/2021	7:11:43	0.035
8/11/2021	7:12:43	0.035
8/11/2021	7:13:43	0.036
8/11/2021	7:14:43	0.033
8/11/2021	7:15:43	0.032
8/11/2021	7:16:43	0.039
8/11/2021	7:17:43	0.042
8/11/2021	7:18:43	0.049
8/11/2021	7:19:43	0.052
8/11/2021	7:20:43	0.044
8/11/2021	7:21:43	0.035
8/11/2021	7:22:43	0.033
8/11/2021	7:23:43	0.031

8/11/2021	7:24:43	0.033
8/11/2021	7:25:43	0.048
8/11/2021	7:26:43	0.032
8/11/2021	7:27:43	0.03
8/11/2021	7:28:43	0.029
8/11/2021	7:29:43	0.028
8/11/2021	7:30:43	0.036
8/11/2021	7:31:43	0.03
8/11/2021	7:32:43	0.03
8/11/2021	7:33:43	0.029
8/11/2021	7:34:43	0.029
8/11/2021	7:35:43	0.029
8/11/2021	7:36:43	0.029
8/11/2021	7:37:43	0.028
8/11/2021	7:38:43	0.029
8/11/2021	7:39:43	0.029
8/11/2021	7:40:43	0.038
8/11/2021	7:41:43	0.031
8/11/2021	7:42:43	0.028
8/11/2021	7:43:43	0.028
8/11/2021	7:44:43	0.028
8/11/2021	7:45:43	0.028
8/11/2021	7:46:43	0.029
8/11/2021	7:47:43	0.039
8/11/2021	7:48:43	0.03
8/11/2021	7:49:43	0.03
8/11/2021	7:50:43	0.03
8/11/2021	7:51:43	0.031
8/11/2021	15:21:54	0
8/11/2021	15:22:43	0.02
8/12/2021	6:43:33	0
8/12/2021	6:43:43	0.054



Galindo contracting

Galindo contracting

Galindo contracting

3279

NYD-2083



Taliendo contracting

Taliendo contracting

Taliendo contracting

Sherman
Abrams
Labs
Trusted and Tested

55370-JZ

CASE



Jeep

New Jersey
D74-NER
Garden State

LUIGI CALENNO & SONS





Contracting
Altendo Contracting

3279

HTD-2083

Brooklyn Navy Yard, Building 12 Shut-off Valve Replacement, 2021-12-07

Created	2022-01-03 13:19:09 UTC by Ron Tramposch
Updated	2022-01-03 13:35:26 UTC by Ron Tramposch
Location	40.7788097, -73.8490004

Basic Information

Client	Brooklyn Navy Yard
Project Name	Building 12 Shut-off Valve Replacement
On-Site CORE Representative	Joseph Zaheer
CORE Project Manager	Ron Tramposch
General Contractor	National Grid
Date	2021-12-07
Arrive On-Site	08:15
Depart Site	10:30

Conditions

Cold, 37, 4, E, 08:21

Weather	Cold
Temperature (F)	37
Wind Speed (MPH)	4
Wind Direction	E
Time	08:21

Material

Concrete

Material	Concrete
Time	08:22

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No
Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	No

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

08:23, Could not immediately begin work due to adjacent cars blocking site. Work began at around 8:45AM. Very quickly found the gas line they were looking for. Began closing up at around 10AM, and done by 10:15AM. CORE left at 10:30AM.

Time	08:23
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Description

Could not immediately begin work due to adjacent cars blocking site. Work began at around 8:45AM. Very quickly found the gas line they were looking for. Began closing up at around 10AM, and done by 10:15AM. CORE left at 10:30AM.

Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Model: SidePak Aerosol Monitor
 Model Number: AM510
 Serial Number: 11505032
 Test ID: 1
 Test Abbreviation:
 Start Date: 12/7/2021
 Start Time: 9:04:00
 Duration (dd:hh:mm:ss): 0:01:02:00
 Time constant (seconds): 25963
 Log Interval (mm:ss): 1:00
 Number of points: 62
 Notes:

Statistics Channel: Aerosol
 Units: mg/m³
 Average: 0.029
 Minimum: 0.007
 Time of Minimum: 9:21:00
 Date of Minimum: 12/7/2021
 Maximum: 0.624
 Time of Maximum: 9:59:00
 Date of Maximum: 12/7/2021

Calibration Sensor: Aerosol
 Cal. date: 12/7/2021

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
12/7/2021	9:05:00	0.218
12/7/2021	9:06:00	0.012
12/7/2021	9:07:00	0.076
12/7/2021	9:08:00	0.082
12/7/2021	9:09:00	0.065
12/7/2021	9:10:00	0.017
12/7/2021	9:11:00	0.057
12/7/2021	9:12:00	0.014
12/7/2021	9:13:00	0.014
12/7/2021	9:14:00	0.022
12/7/2021	9:15:00	0.036
12/7/2021	9:16:00	0.013
12/7/2021	9:17:00	0.014
12/7/2021	9:18:00	0.008
12/7/2021	9:19:00	0.009
12/7/2021	9:20:00	0.009
12/7/2021	9:21:00	0.007
12/7/2021	9:22:00	0.007
12/7/2021	9:23:00	0.011

12/7/2021	9:24:00	0.008
12/7/2021	9:25:00	0.012
12/7/2021	9:26:00	0.008
12/7/2021	9:27:00	0.009
12/7/2021	9:28:00	0.008
12/7/2021	9:29:00	0.011
12/7/2021	9:30:00	0.01
12/7/2021	9:31:00	0.008
12/7/2021	9:32:00	0.007
12/7/2021	9:33:00	0.009
12/7/2021	9:34:00	0.008
12/7/2021	9:35:00	0.009
12/7/2021	9:36:00	0.007
12/7/2021	9:37:00	0.009
12/7/2021	9:38:00	0.009
12/7/2021	9:39:00	0.009
12/7/2021	9:40:00	0.01
12/7/2021	9:41:00	0.008
12/7/2021	9:42:00	0.008
12/7/2021	9:43:00	0.008
12/7/2021	9:44:00	0.013
12/7/2021	9:45:00	0.014
12/7/2021	9:46:00	0.014
12/7/2021	9:47:00	0.011
12/7/2021	9:48:00	0.013
12/7/2021	9:49:00	0.009
12/7/2021	9:50:00	0.01
12/7/2021	9:51:00	0.009
12/7/2021	9:52:00	0.02
12/7/2021	9:53:00	0.007
12/7/2021	9:54:00	0.011
12/7/2021	9:55:00	0.008
12/7/2021	9:56:00	0.007
12/7/2021	9:57:00	0.013
12/7/2021	9:58:00	0.013
12/7/2021	9:59:00	0.624
12/7/2021	10:00:00	0.105
12/7/2021	10:01:00	0.012
12/7/2021	10:02:00	0.01
12/7/2021	10:03:00	0.007
12/7/2021	10:04:00	0.011
12/7/2021	10:05:00	0.011
12/7/2021	10:06:00	0.009

Model: SidePak Aerosol Monitor
 Model Number: AM510
 Serial Number: 11403004
 Test ID: 1
 Test Abbreviation:
 Start Date: 12/7/2021
 Start Time: 9:02:32
 Duration (dd:hh:mm:ss): 0:01:06:00
 Time constant (seconds): 0
 Log Interval (mm:ss): 1:00
 Number of points: 66
 Notes:

Statistics Channel: Aerosol
 Units: mg/m³
 Average: 0.009
 Minimum: 0.005
 Time of Minimum: 9:17:32
 Date of Minimum: 12/7/2021
 Maximum: 0.09
 Time of Maximum: 9:32:32
 Date of Maximum: 12/7/2021

Calibration Sensor: Aerosol
 Cal. date: 12/7/2021

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m ³
12/7/2021	9:03:32	0.01
12/7/2021	9:04:32	0.009
12/7/2021	9:05:32	0.008
12/7/2021	9:06:32	0.011
12/7/2021	9:07:32	0.022
12/7/2021	9:08:32	0.013
12/7/2021	9:09:32	0.008
12/7/2021	9:10:32	0.008
12/7/2021	9:11:32	0.008
12/7/2021	9:12:32	0.009
12/7/2021	9:13:32	0.008
12/7/2021	9:14:32	0.008
12/7/2021	9:15:32	0.008
12/7/2021	9:16:32	0.008
12/7/2021	9:17:32	0.005
12/7/2021	9:18:32	0.005
12/7/2021	9:19:32	0.01
12/7/2021	9:20:32	0.008
12/7/2021	9:21:32	0.007

12/7/2021	9:22:32	0.007
12/7/2021	9:23:32	0.007
12/7/2021	9:24:32	0.006
12/7/2021	9:25:32	0.007
12/7/2021	9:26:32	0.005
12/7/2021	9:27:32	0.006
12/7/2021	9:28:32	0.007
12/7/2021	9:29:32	0.006
12/7/2021	9:30:32	0.005
12/7/2021	9:31:32	0.007
12/7/2021	9:32:32	0.09
12/7/2021	9:33:32	0.013
12/7/2021	9:34:32	0.007
12/7/2021	9:35:32	0.005
12/7/2021	9:36:32	0.006
12/7/2021	9:37:32	0.019
12/7/2021	9:38:32	0.013
12/7/2021	9:39:32	0.005
12/7/2021	9:40:32	0.008
12/7/2021	9:41:32	0.005
12/7/2021	9:42:32	0.007
12/7/2021	9:43:32	0.006
12/7/2021	9:44:32	0.007
12/7/2021	9:45:32	0.008
12/7/2021	9:46:32	0.009
12/7/2021	9:47:32	0.01
12/7/2021	9:48:32	0.011
12/7/2021	9:49:32	0.015
12/7/2021	9:50:32	0.007
12/7/2021	9:51:32	0.01
12/7/2021	9:52:32	0.006
12/7/2021	9:53:32	0.007
12/7/2021	9:54:32	0.005
12/7/2021	9:55:32	0.008
12/7/2021	9:56:32	0.007
12/7/2021	9:57:32	0.006
12/7/2021	9:58:32	0.008
12/7/2021	9:59:32	0.006
12/7/2021	10:00:32	0.012
12/7/2021	10:01:32	0.007
12/7/2021	10:02:32	0.006
12/7/2021	10:03:32	0.006
12/7/2021	10:04:32	0.005
12/7/2021	10:05:32	0.006
12/7/2021	10:06:32	0.009
12/7/2021	10:07:32	0.006
12/7/2021	10:08:32	0.006



IceStone

BLDG. #12



NOTICE
THIS AREA IS UNDER 24
HOUR TV SURVEILLANCE
TRESPASSERS WILL
BE PROSECUTED
AVISO
ESTA ZONA ES VIGILADA
LAS 24 HORAS DEL DIA
LOS TRANSGRESORES
SERAN CASTIGADOS

NOTICE
ALL VISITORS
MUST REGISTER
AT OFFICE





12B

IceStone

12

WILL BE PROSECUTED
AVISO
ESTA ZONA ES VIGILADA
LAS 24 HORAS DEL DIA
LOS TRANSGRESORES
SERAN CASTIGADOS



12



12

IceStone

STOP





12B

11

STOP

U83-EBM

U83-EBM





Brooklyn Navy Yard, 3rd St Emergency Gas Line Repair 1, 2021-10-15, Tomorrow 7:30AM and monday morning

Created	2021-10-15 13:55:58 UTC by Ron Tramposch
Updated	2021-10-16 12:42:26 UTC by Ron Tramposch
Location	40.7788093, -73.8489653

Basic Information

Client	Brooklyn Navy Yard
Project Name	3rd St Emergency Gas Line Repair 1
On-Site CORE Representative	Joseph Zaheer
CORE Project Manager	Ron Tramposch
General Contractor	National Grid
Date	2021-10-15
Arrive On-Site	09:45
Depart Site	15:15

Conditions

Clear, Warm, 72, 2, E, 10:10

Weather	Clear, Warm
Temperature (F)	72
Wind Speed (MPH)	2
Wind Direction	E
Time	10:10

Material

Asphalt, Onsite, Onsite

Material	Asphalt
Source	Onsite
Destination	Onsite
Time	09:56

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No
Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	No

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

10:11, Clear, calm, 72°. Winds at 2mph. CORE arrived on site at 9:45AM, work had already been in

progress. 2 or 3 sites may have already been excavated. Speaking with the site supervisor, he is clear about no material being taken off site. He also noted he worked on this site in 2013 and all the soil was clean fill material, so there should not be any contamination. He also noted he will back-fill what he can when they finish up.

Time	10:11
Description	Clear, calm, 72°. Winds at 2mph. CORE arrived on site at 9:45AM, work had already been in progress. 2 or 3 sites may have already been excavated. Speaking with the site supervisor, he is clear about no material being taken off site. He also noted he worked on this site in 2013 and all the soil was clean fill material, so there should not be any contamination. He also noted he will back-fill what he can when they finish up.

14:56, Some short spikes of exceedances from the upwind monitor near the excavation site, but nothing sustained.

Time	14:56
Description	Some short spikes of exceedances from the upwind monitor near the excavation site, but nothing sustained.

15:10, Work done for the day. Pits either covered with steel plates or dirt mounds were covered with tarp and barricaded.

Time	15:10
Description	Work done for the day. Pits either covered with steel plates or dirt mounds were covered with tarp and barricaded.

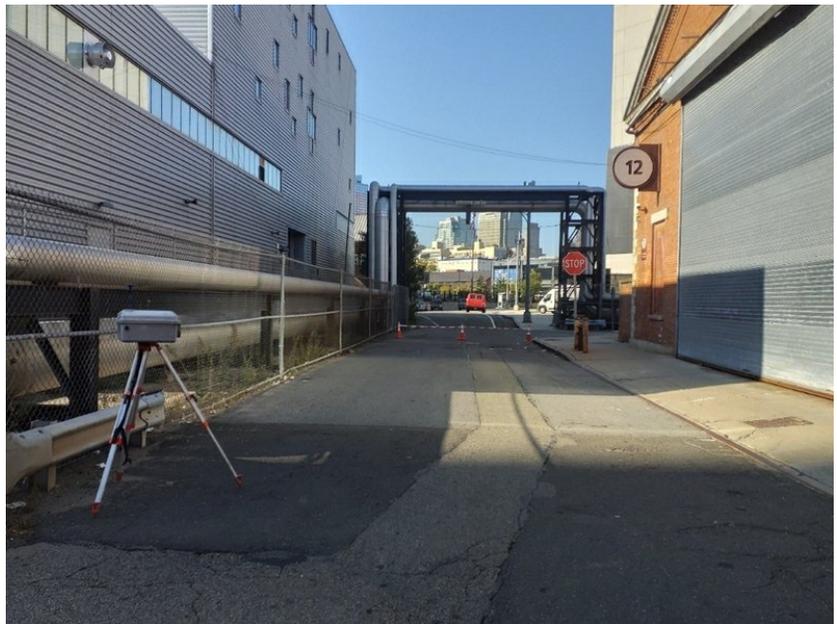
Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Upwind DustTrak75

Photo





Time	09:57
Description	Upwind DustTrak75

Downwind DustTrak74

Photo





Time

09:59

Description

Downwind DustTrak74

Excavation sites

Photo





Time	12:17
Description	Excavation sites

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

PM-10, Dusttrak Monitor, Downwind, 10:07, 0.017

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	10:07
Concentration (ppm)	0.017

PM-10, Dusttrak Monitor, Downwind, 10:07, 0.025

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	10:07
Concentration (ppm)	0.025

PM-10, Dustrak Monitor, Upwind, 10:22, 0.018

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	10:22
Concentration (ppm)	0.018

PM-10, Dustrak Monitor, Downwind, 10:22, 0.021

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	10:22
Concentration (ppm)	0.021

PM-10, Dustrak Monitor, Upwind, 10:46, 0.022

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	10:46
Concentration (ppm)	0.022

PM-10, Dustrak Monitor, Downwind, 10:46, 0.03

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	10:46
Concentration (ppm)	0.03

PM-10, Dustrak Monitor, Upwind, 11:14, 0.026

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	11:14
Concentration (ppm)	0.026

PM-10, Dustrak Monitor, Downwind, 11:15, 0.023

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	11:15

Concentration (ppm)	0.023
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PM-10, Dusttrak Monitor, Upwind, 12:15, 0.01

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	12:15
Concentration (ppm)	0.01

PM-10, Dusttrak Monitor, Downwind, 12:16, 0.03

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	12:16
Concentration (ppm)	0.03

PM-10, Dusttrak Monitor, Upwind, 12:51, 0.017

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	12:51
Concentration (ppm)	0.017

PM-10, Dusttrak Monitor, Downwind, 12:52, 0.012

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	12:52
Concentration (ppm)	0.012

PM-10, Dusttrak Monitor, Upwind, 13:24, 0.014

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	13:24
Concentration (ppm)	0.014

PM-10, Dusttrak Monitor, Downwind, 13:25, 0.014

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	13:25
Concentration (ppm)	0.014

PM-10, Dusttrak Monitor, Upwind, 13:59, 0.016

Pollutant	PM-10
Device	Dusttrak Monitor

Location	Upwind
Time	13:59
Concentration (ppm)	0.016

PM-10, Dusttrak Monitor, Downwind, 13:59, 0.018

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	13:59
Concentration (ppm)	0.018

PM-10, Dusttrak Monitor, Upwind, 14:23, 0.015

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	14:23
Concentration (ppm)	0.015

PM-10, Dusttrak Monitor, Downwind, 14:24, 0.015

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	14:24
Concentration (ppm)	0.015

PM-10, Dusttrak Monitor, Upwind, 14:52, 0.016

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	14:52
Concentration (ppm)	0.016

PM-10, Dusttrak Monitor, Downwind, 14:58, 0.018

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	14:58
Concentration (ppm)	0.018

VOCs, MiniRAE 2000, Soil Excavation Area, 13:15, 0.4

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Excavation Area
Time	13:15
Concentration (ppm)	0.4

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Upcoming Work Schedule

Tomorrow 7:30AM and monday morning

Brooklyn Navy Yard, 3rd St Emergency Gas Line Repair 2, 2021-10-16, Monday morning

Created	2021-10-16 12:20:29 UTC by Ron Tramposch
Updated	2021-10-16 15:30:51 UTC by Ron Tramposch
Location	40.7900933, -73.9699018

Basic Information

Client	Brooklyn Navy Yard
Project Name	3rd St Emergency Gas Line Repair 2
On-Site CORE Representative	Joseph Zaheer
CORE Project Manager	Ron Tramposch
General Contractor	National Grid
Date	2021-10-16
Arrive On-Site	07:30
Depart Site	11:49

Conditions

Clear, 68, 2, SE, 08:23

Weather	Clear
Temperature (F)	68
Wind Speed (MPH)	2
Wind Direction	SE
Time	08:23

Material

Soil, Onsite, Excavation Pit

Material	Soil
Source	Onsite
Destination	Excavation Pit
Time	08:23

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No
Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	No

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

08:28, CORE arrived on site at 7:30AM. National grid crew beginning setup, but no soil yet moved. Starting point at building 121 Kings County Distillery.

Time	08:28
Description	CORE arrived on site at 7:30AM. National grid crew beginning setup, but no soil yet moved. Starting point at building 121 Kings County Distillery.

10:30, Location 1 finished at building 121, the Kings County Distillery building. The site was back-filled and closed with blacktop. Location 2 is underway by building 12b. Work seems to be progressing well. And no prolonged dust exceedances so far.

Time	10:30
Description	Location 1 finished at building 121, the Kings County Distillery building. The site was back-filled and closed with blacktop. Location 2 is underway by building 12b. Work seems to be progressing well. And no prolonged dust exceedances so far.

11:25, Location 2 complete in front of building 12b. Sites back-filled, closed with blacktop and steel plates. Remaining soil covered with tarp and barricaded. Location 3 complete at building 20. Site closed with blacktop and barricaded.

Time	11:25
Description	Location 2 complete in front of building 12b. Sites back-filled, closed with blacktop and steel plates. Remaining soil covered with tarp and barricaded. Location 3 complete at building 20. Site closed with blacktop and barricaded.

11:28, Location 4 complete at building 269. Site closed with blacktop and barricaded. No major or prolonged dust exceedances.

Time	11:28
Description	Location 4 complete at building 269. Site closed with blacktop and barricaded. No major or prolonged dust exceedances.

Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Upwind DustTrak75 location 1 at 121

Photo





Time

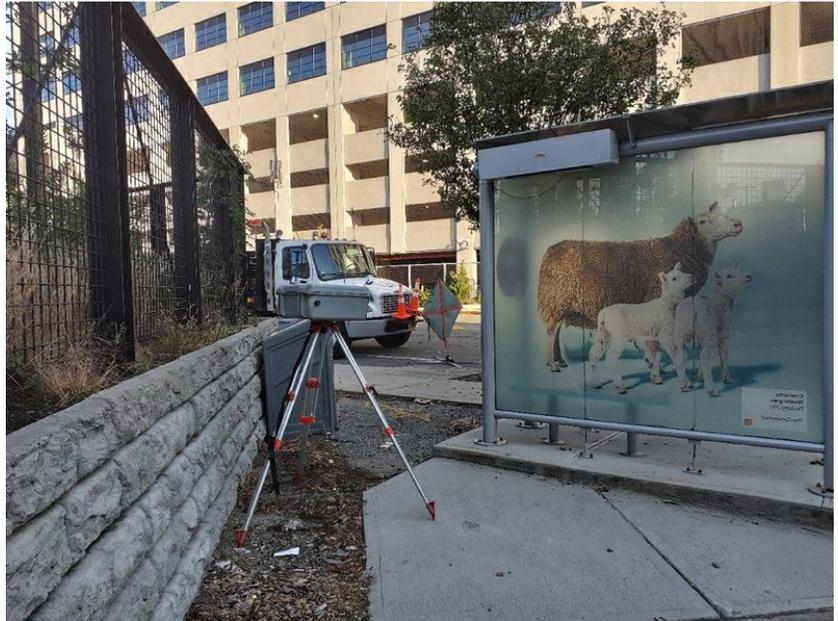
08:24

Description

Upwind DustTrak75 location 1 at 121

Downwind DustTrak74 location 1 at 121

Photo





Time

08:26

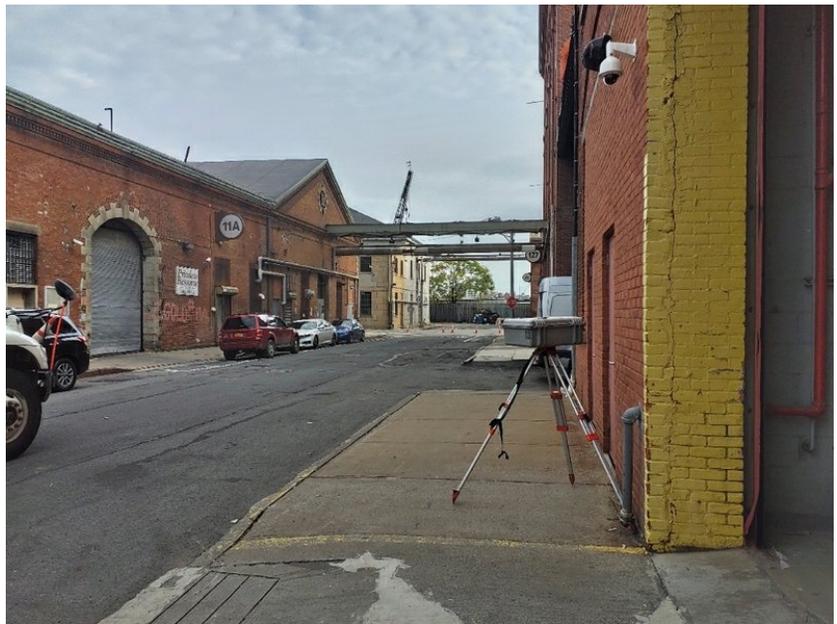
Description

Downwind DustTrak74 location 1 at 121

Upwind DustTrak75 location 2 at 12b

Photo





Time

09:33

Description

Upwind DustTrak75 location 2 at 12b

Downwind DustTrak74 location 2 at 12b

Photo





Time

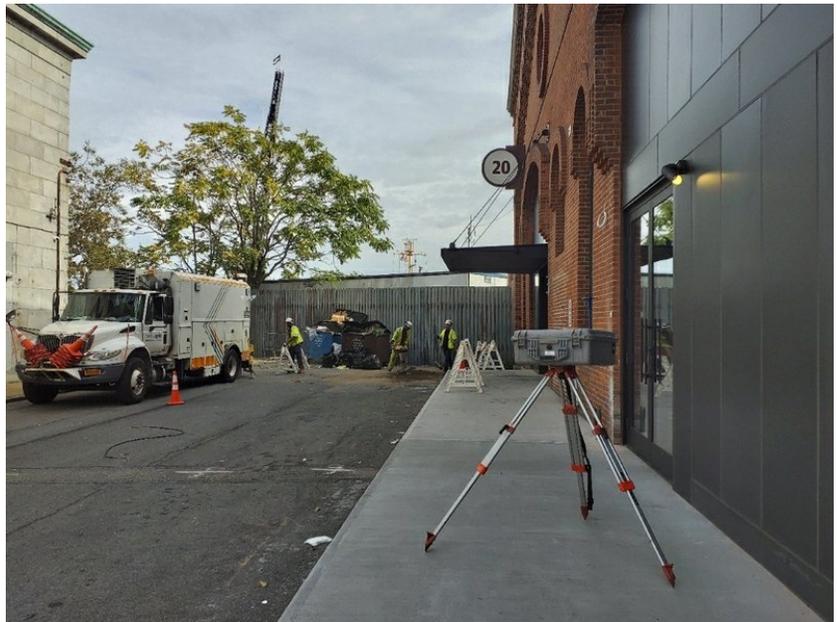
09:35

Description

Downwind DustTrak74 location 2 at 12b

Downwind DustTrak74 location 3 at 20

Photo





Time 11:05

Description Downwind DustTrak74 location 3 at 20

Upwind DustTrak75 location 3 at 20

Photo





Time

11:07

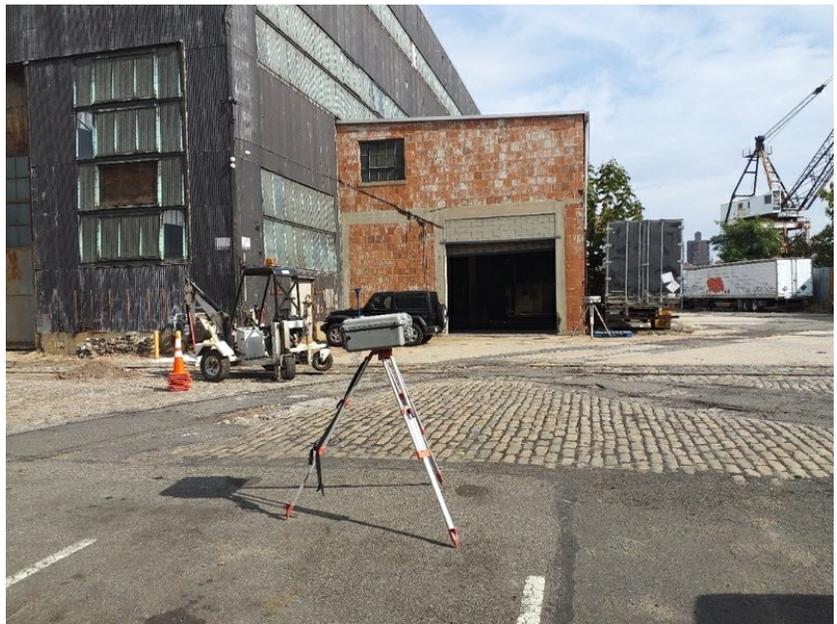
Description

Upwind DustTrak75 location 3 at 20

Downwind DustTrak74 location 4 at 269

Photo





Time

11:16

Description

Downwind DustTrak74 location 4 at 269

Upwind DustTrak75 location 4 at 269

Photo





Time	11:17
Description	Upwind DustTrak75 location 4 at 269

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

PM-10, Dusttrak Monitor, Upwind, 08:25, 0.018

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	08:25
Concentration (ppm)	0.018

PM-10, Dusttrak Monitor, Downwind, 08:26, 0.02

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	08:26
Concentration (ppm)	0.02

VOCs, MiniRAE 2000, Soil Staging Area, 08:42, 0.3

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Staging Area
Time	08:42
Concentration (ppm)	0.3

PM-10, Dusttrak Monitor, Upwind, 08:51, 0.017

Pollutant	PM-10
Device	Dustrak Monitor

Location	Upwind
Time	08:51
Concentration (ppm)	0.017

PM-10, Dusttrak Monitor, Downwind, 08:51, 0.017

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	08:51
Concentration (ppm)	0.017

PM-10, Dusttrak Monitor, Downwind, 09:17, 0.016

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	09:17
Concentration (ppm)	0.016

PM-10, Dusttrak Monitor, Upwind, 09:18, 0.012

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	09:18
Concentration (ppm)	0.012

PM-10, Dusttrak Monitor, Downwind, 09:36, 0.012

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	09:36
Concentration (ppm)	0.012

PM-10, Dusttrak Monitor, Upwind, 09:36, 0.012

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	09:36
Concentration (ppm)	0.012

PM-10, Dusttrak Monitor, Downwind, 10:05, 0.017

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	10:05
Concentration (ppm)	0.017

PM-10, Dusttrak Monitor, Upwind, 10:06, 0.011

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	10:06
Concentration (ppm)	0.011

PM-10, Dustrak Monitor, Downwind, 10:29, 0.011

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	10:29
Concentration (ppm)	0.011

PM-10, Dustrak Monitor, Upwind, 10:30, 0.014

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	10:30
Concentration (ppm)	0.014

PM-10, Dustrak Monitor, Downwind, 11:05, 0.011

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	11:05
Concentration (ppm)	0.011

PM-10, Dustrak Monitor, Downwind, 11:05, 0.013

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	11:05
Concentration (ppm)	0.013

PM-10, Dustrak Monitor, Downwind, 11:09, 0.018

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	11:09
Concentration (ppm)	0.018

PM-10, Dustrak Monitor, Upwind, 11:10, 0.015

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	11:10

Concentration (ppm)	0.015
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PM-10, Dusttrak Monitor, Upwind, 11:23, 0.014

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	11:23
Concentration (ppm)	0.014

PM-10, Dusttrak Monitor, Downwind, 11:23, 0.018

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	11:23
Concentration (ppm)	0.018

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Upcoming Work Schedule	Monday morning
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Brooklyn Navy Yard, 3rd St Emergency Gas Line Repair 3, 2021-10-18

Created	2021-10-18 12:13:40 UTC by Ron Tramposch
Updated	2021-10-18 15:15:29 UTC by Ron Tramposch
Location	40.7903536, -73.9698555

Basic Information

Client	Brooklyn Navy Yard
Project Name	3rd St Emergency Gas Line Repair 3
On-Site CORE Representative	Joseph Zaheer
CORE Project Manager	Ron Tramposch
General Contractor	National Grid
Date	2021-10-18
Arrive On-Site	07:45
Depart Site	11:15

Conditions

Cool, Overcast, 51, 3, E, 08:23

Weather	Cool, Overcast
Temperature (F)	51
Wind Speed (MPH)	3
Wind Direction	E
Time	08:23

Material

Soil, Onsite, Excavation Pit

Material	Soil
Source	Onsite
Destination	Excavation Pit
Time	08:27

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No
Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	Yes

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

08:28, Overcast, cool, 51°. Light breeze at 2-4mph. CORE arrived on site at 7:45am. Only 1 site being worked on today; all other excavation sites were closed on Saturday.

Time	08:28
Description	Overcast, cool, 51°. Light breeze at 2-4mph. CORE arrived on site at 7:45am. Only 1 site being worked on today; all other excavation sites were closed on Saturday.

10:34, Work still continuing without any dust exceedances or prolonged high dust levels. Some groundwater reached and pumped out.

Time	10:34
Description	Work still continuing without any dust exceedances or prolonged high dust levels. Some groundwater reached and pumped out.

11:13, Done for the day. Hole remained open, soil trapped, area barricaded.

Time	11:13
Description	Done for the day. Hole remained open, soil trapped, area barricaded.

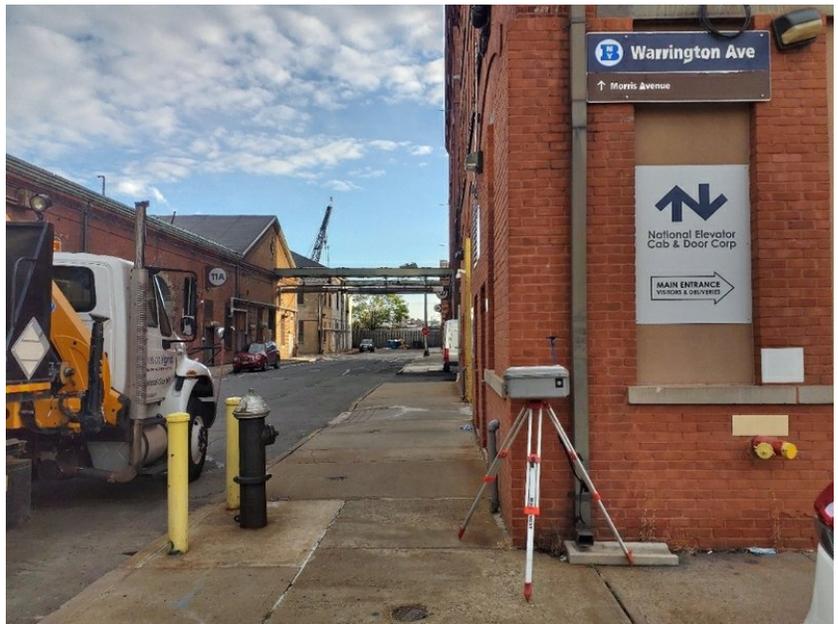
Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Downwind DustTak74

Photo





Time

08:15

Description

Downwind DustTak74

Upwind DustTrak75

Photo





Time	08:18
Description	Upwind DustTrak75

Site closure

Photo



Time	11:14
Description	Site closure

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

VOCs, MiniRAE 2000, Soil Staging Area, 08:19, 0.3

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Staging Area

Time	08:19
Concentration (ppm)	0.3

PM-10, Dusttrak Monitor, Upwind, 08:19, 0.006

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	08:19
Concentration (ppm)	0.006

PM-10, Dusttrak Monitor, Downwind, 08:20, 0.008

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	08:20
Concentration (ppm)	0.008

PM-10, Dusttrak Monitor, Upwind, 08:43, 0.009

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	08:43
Concentration (ppm)	0.009

PM-10, Dusttrak Monitor, Downwind, 08:44, 0.01

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	08:44
Concentration (ppm)	0.01

PM-10, Dusttrak Monitor, Upwind, 09:12, 0.008

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	09:12
Concentration (ppm)	0.008

PM-10, Dusttrak Monitor, Downwind, 09:13, 0.012

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	09:13
Concentration (ppm)	0.012

PM-10, Dusttrak Monitor, Upwind, 09:38, 0.008

Pollutant	PM-10
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Device	Dustrak Monitor
Location	Upwind
Time	09:38
Concentration (ppm)	0.008

PM-10, Dustrak Monitor, Downwind, 09:39, 0.01

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	09:39
Concentration (ppm)	0.01

PM-10, Dustrak Monitor, Upwind, 09:59, 0.006

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	09:59
Concentration (ppm)	0.006

PM-10, Dustrak Monitor, Downwind, 10:00, 0.009

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	10:00
Concentration (ppm)	0.009

PM-10, Dustrak Monitor, Upwind, 10:32, 0.006

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	10:32
Concentration (ppm)	0.006

PM-10, Dustrak Monitor, Downwind, 10:33, 0.009

Pollutant	PM-10
Device	Dustrak Monitor
Location	Downwind
Time	10:33
Concentration (ppm)	0.009

PM-10, Dustrak Monitor, Upwind, 11:05, 0.006

Pollutant	PM-10
Device	Dustrak Monitor
Location	Upwind
Time	11:05
Concentration (ppm)	0.006

PM-10, Dusttrak Monitor, Downwind, 11:07, 0.005

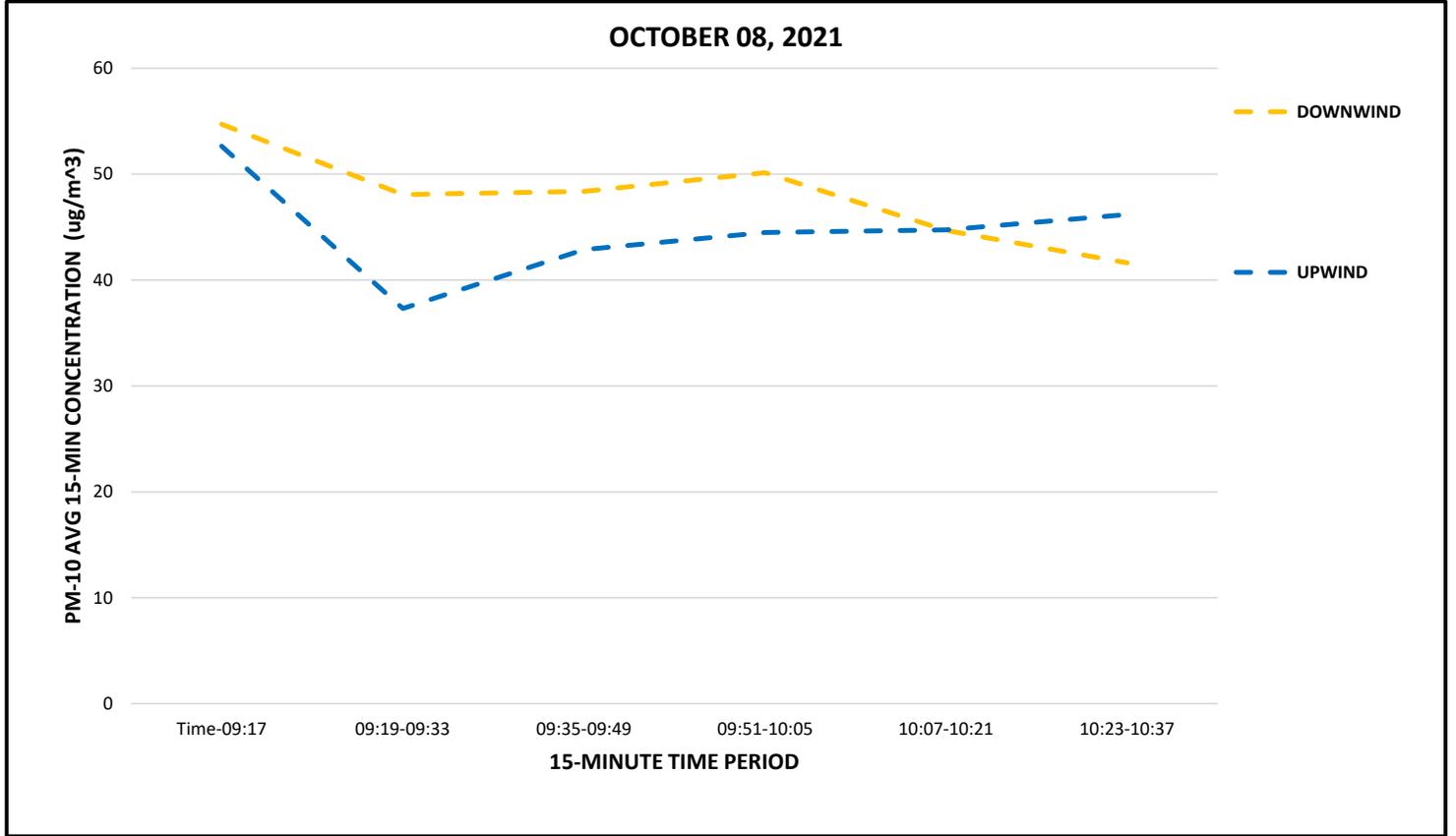
Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	11:07
Concentration (ppm)	0.005

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

BELMONT RACE TRACK
DAILY CAMP RESULTS

Friday, October 08, 2021			DAILY AVERAGE/PEAK		
15-MIN TIME PERIOD	DOWNWIND PM-10 (ug/m ³)	UPWIND PM-10 (ug/m ³)		DOWNWIND PM-10 (ug/m ³)	UPWIND PM-10 (ug/m ³)
Time-09:17	55	53	Instantaneous Peak Maximum	511	341
09:19-09:33	48	37	Daily Average	49	40
09:35-09:49	48	43			
09:51-10:05	50	45			
10:07-10:21	45	45			
10:23-10:37	42	46			



Daily Status Report

Project Information

Project:

On-Site CORE Representative:	Chris Erickson
CORE Project Manager:	Ron Tramosch
Genral Contractor:	Raytone Plumbing

Report Date

Date: 8/12/2021	Report No.: 1
Arrive On-Site: 7:30	NTP Date:
Depart Site: 12:00	Days from NTP: 44420

Site Conditions

Project Schedule

Temp:	81° F
Condition:	Clear
Wind:	4 MPH North

Check List

	<u>Y/N</u>	Number of Samples
Were there any work stoppages?	N	
Were air monitors calibrated prior to work?	Y	
Was there are contamination observed?	N	
Were any samples collected?	N	
Was any soil hauled off site?	N	
Were there any air monitoring exceedances?	N	
Is photo log attached?	Y	

Summary of Work Performed

Sarcut asphalt 4' x 6' for water line repair
 Excavated soil approximately 4'x6' and 8' depth
 Pile of soil kept on tarp
 Repaired water line and back filled with the same soil
 Asphalt pour over top of excavation to return back to grade

Problems / Comments / Concerns











LOADING ZONE

3188



DEJANA TRUCK 877-335-2621

















MSNY

OSGILL
VALVE
MANUFACTURING
CORPORATION
193124

3M
Industrial
Apparel

TrakPro Version 4.70 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8530114002
Test ID: 89
Test Abbreviation: MANUAL_089
Start Date: 8/12/2021
Start Time: 6:45:49
Duration (dd:hh:mm:ss): 0:02:11:00
Log Interval (mm:ss): 1:00
Number of points: 131
Notes: ERROR: MAX PM1

Statistics Channel: AEROSOL
Units: mg/m³
Average: 0.023
Minimum: 0.02
Time of Minimum: 7:48:49
Date of Minimum: 8/12/2021
Maximum: 0.055
Time of Maximum: 7:24:49
Date of Maximum: 8/12/2021

Calibration Sensor: AEROSOL
Cal. date 10/22/2018

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m ³
8/12/2021	6:46:49	0.028
8/12/2021	6:47:49	0.025
8/12/2021	6:48:49	0.025
8/12/2021	6:49:49	0.024
8/12/2021	6:50:49	0.024
8/12/2021	6:51:49	0.025
8/12/2021	6:52:49	0.025
8/12/2021	6:53:49	0.024
8/12/2021	6:54:49	0.024
8/12/2021	6:55:49	0.023
8/12/2021	6:56:49	0.023
8/12/2021	6:57:49	0.024
8/12/2021	6:58:49	0.023
8/12/2021	6:59:49	0.022
8/12/2021	7:00:49	0.022
8/12/2021	7:01:49	0.023
8/12/2021	7:02:49	0.022
8/12/2021	7:03:49	0.022

8/12/2021	7:04:49	0.022
8/12/2021	7:05:49	0.022
8/12/2021	7:06:49	0.021
8/12/2021	7:07:49	0.021
8/12/2021	7:08:49	0.021
8/12/2021	7:09:49	0.021
8/12/2021	7:10:49	0.021
8/12/2021	7:11:49	0.022
8/12/2021	7:12:49	0.021
8/12/2021	7:13:49	0.025
8/12/2021	7:14:49	0.021
8/12/2021	7:15:49	0.022
8/12/2021	7:16:49	0.022
8/12/2021	7:17:49	0.022
8/12/2021	7:18:49	0.021
8/12/2021	7:19:49	0.021
8/12/2021	7:20:49	0.022
8/12/2021	7:21:49	0.022
8/12/2021	7:22:49	0.021
8/12/2021	7:23:49	0.021
8/12/2021	7:24:49	0.055
8/12/2021	7:25:49	0.026
8/12/2021	7:26:49	0.022
8/12/2021	7:27:49	0.022
8/12/2021	7:28:49	0.021
8/12/2021	7:29:49	0.021
8/12/2021	7:30:49	0.021
8/12/2021	7:31:49	0.021
8/12/2021	7:32:49	0.022
8/12/2021	7:33:49	0.022
8/12/2021	7:34:49	0.022
8/12/2021	7:35:49	0.022
8/12/2021	7:36:49	0.022
8/12/2021	7:37:49	0.022
8/12/2021	7:38:49	0.023
8/12/2021	7:39:49	0.022
8/12/2021	7:40:49	0.022
8/12/2021	7:41:49	0.022
8/12/2021	7:42:49	0.026
8/12/2021	7:43:49	0.024
8/12/2021	7:44:49	0.021
8/12/2021	7:45:49	0.021
8/12/2021	7:46:49	0.021
8/12/2021	7:47:49	0.021
8/12/2021	7:48:49	0.02
8/12/2021	7:49:49	0.021
8/12/2021	7:50:49	0.021

8/12/2021	7:51:49	0.021
8/12/2021	7:52:49	0.021
8/12/2021	7:53:49	0.021
8/12/2021	7:54:49	0.021
8/12/2021	7:55:49	0.021
8/12/2021	7:56:49	0.021
8/12/2021	7:57:49	0.021
8/12/2021	7:58:49	0.021
8/12/2021	7:59:49	0.021
8/12/2021	8:00:49	0.021
8/12/2021	8:01:49	0.021
8/12/2021	8:02:49	0.022
8/12/2021	8:03:49	0.022
8/12/2021	8:04:49	0.021
8/12/2021	8:05:49	0.022
8/12/2021	8:06:49	0.022
8/12/2021	8:07:49	0.022
8/12/2021	8:08:49	0.022
8/12/2021	8:09:49	0.021
8/12/2021	8:10:49	0.021
8/12/2021	8:11:49	0.021
8/12/2021	8:12:49	0.021
8/12/2021	8:13:49	0.021
8/12/2021	8:14:49	0.022
8/12/2021	8:15:49	0.022
8/12/2021	8:16:49	0.022
8/12/2021	8:17:49	0.022
8/12/2021	8:18:49	0.022
8/12/2021	8:19:49	0.026
8/12/2021	8:20:49	0.021
8/12/2021	8:21:49	0.021
8/12/2021	8:22:49	0.022
8/12/2021	8:23:49	0.022
8/12/2021	8:24:49	0.022
8/12/2021	8:25:49	0.022
8/12/2021	8:26:49	0.022
8/12/2021	8:27:49	0.022
8/12/2021	8:28:49	0.021
8/12/2021	8:29:49	0.021
8/12/2021	8:30:49	0.022
8/12/2021	8:31:49	0.023
8/12/2021	8:32:49	0.023
8/12/2021	8:33:49	0.023
8/12/2021	8:34:49	0.023
8/12/2021	8:35:49	0.023
8/12/2021	8:36:49	0.023
8/12/2021	8:37:49	0.023

8/12/2021	8:38:49	0.023
8/12/2021	8:39:49	0.023
8/12/2021	8:40:49	0.023
8/12/2021	8:41:49	0.024
8/12/2021	8:42:49	0.023
8/12/2021	8:43:49	0.022
8/12/2021	8:44:49	0.023
8/12/2021	8:45:49	0.022
8/12/2021	8:46:49	0.022
8/12/2021	8:47:49	0.022
8/12/2021	8:48:49	0.024
8/12/2021	8:49:49	0.025
8/12/2021	8:50:49	0.024
8/12/2021	8:51:49	0.024
8/12/2021	8:52:49	0.024
8/12/2021	8:53:49	0.025
8/12/2021	8:54:49	0.025
8/12/2021	8:55:49	0.023
8/12/2021	8:56:49	0.023

TrakPro Version 4.70 ASCII Data File

Model: DustTrak II
 Model Number: 8530
 Serial Number: 8530114003
 Test ID: 78
 Test Abbreviation: MANUAL_078
 Start Date: 8/12/2021
 Start Time: 6:45:20
 Duration (dd:hh:mm:ss): 0:02:08:00
 Log Interval (mm:ss): 1:00
 Number of points: 128
 Notes: ERROR: FLOW MAX PM1

Statistics Channel: AEROSOL
 Units: mg/m³
 Average: 0.046
 Minimum: 0.009
 Time of Minimum: 8:14:20
 Date of Minimum: 8/12/2021
 Maximum: 1.69
 Time of Maximum: 8:48:20
 Date of Maximum: 8/12/2021

Calibration Sensor: AEROSOL
 Cal. date 4/8/2019

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m ³
8/12/2021	6:46:20	0.025
8/12/2021	6:47:20	0.025
8/12/2021	6:48:20	0.026
8/12/2021	6:49:20	0.025
8/12/2021	6:50:20	0.025
8/12/2021	6:51:20	0.025
8/12/2021	6:52:20	0.025
8/12/2021	6:53:20	0.025
8/12/2021	6:54:20	0.025
8/12/2021	6:55:20	0.024
8/12/2021	6:56:20	0.024
8/12/2021	6:57:20	0.024
8/12/2021	6:58:20	0.159
8/12/2021	6:59:20	0.071
8/12/2021	7:00:20	0.027
8/12/2021	7:01:20	0.079
8/12/2021	7:02:20	0.036
8/12/2021	7:03:20	0.032

8/12/2021	7:04:20	0.025
8/12/2021	7:05:20	0.023
8/12/2021	7:06:20	0.021
8/12/2021	7:07:20	0.021
8/12/2021	7:08:20	0.022
8/12/2021	7:09:20	0.02
8/12/2021	7:10:20	0.027
8/12/2021	7:11:20	0.058
8/12/2021	7:12:20	0.096
8/12/2021	7:13:20	0.035
8/12/2021	7:14:20	0.036
8/12/2021	7:15:20	0.022
8/12/2021	7:16:20	0.021
8/12/2021	7:17:20	0.02
8/12/2021	7:18:20	0.02
8/12/2021	7:19:20	0.021
8/12/2021	7:20:20	0.021
8/12/2021	7:21:20	0.02
8/12/2021	7:22:20	0.021
8/12/2021	7:23:20	0.02
8/12/2021	7:24:20	0.021
8/12/2021	7:25:20	0.02
8/12/2021	7:26:20	0.025
8/12/2021	7:27:20	0.065
8/12/2021	7:28:20	0.02
8/12/2021	7:29:20	0.018
8/12/2021	7:30:20	0.019
8/12/2021	7:31:20	0.018
8/12/2021	7:32:20	0.019
8/12/2021	7:33:20	0.018
8/12/2021	7:34:20	0.019
8/12/2021	7:35:20	0.018
8/12/2021	7:36:20	0.019
8/12/2021	7:37:20	0.019
8/12/2021	7:38:20	0.019
8/12/2021	7:39:20	0.02
8/12/2021	7:40:20	0.02
8/12/2021	7:41:20	0.041
8/12/2021	7:42:20	0.028
8/12/2021	7:43:20	0.02
8/12/2021	7:44:20	0.021
8/12/2021	7:45:20	0.02
8/12/2021	7:46:20	0.019
8/12/2021	7:47:20	0.019
8/12/2021	7:48:20	0.019
8/12/2021	7:49:20	0.019
8/12/2021	7:50:20	0.018

8/12/2021	7:51:20	0.018
8/12/2021	7:52:20	0.019
8/12/2021	7:53:20	0.019
8/12/2021	7:54:20	0.019
8/12/2021	7:55:20	0.02
8/12/2021	7:56:20	0.02
8/12/2021	7:57:20	0.043
8/12/2021	7:58:20	0.097
8/12/2021	7:59:20	0.069
8/12/2021	8:00:20	0.022
8/12/2021	8:01:20	0.024
8/12/2021	8:02:20	0.029
8/12/2021	8:03:20	0.027
8/12/2021	8:04:20	0.434
8/12/2021	8:05:20	0.136
8/12/2021	8:06:20	0.059
8/12/2021	8:07:20	0.028
8/12/2021	8:08:20	0.027
8/12/2021	8:09:20	0.027
8/12/2021	8:10:20	0.027
8/12/2021	8:11:20	0.027
8/12/2021	8:12:20	0.024
8/12/2021	8:13:20	0.022
8/12/2021	8:14:20	0.009
8/12/2021	8:15:20	0.015
8/12/2021	8:16:20	0.017
8/12/2021	8:17:20	0.015
8/12/2021	8:18:20	0.017
8/12/2021	8:19:20	0.016
8/12/2021	8:20:20	0.015
8/12/2021	8:21:20	0.016
8/12/2021	8:22:20	0.015
8/12/2021	8:23:20	0.018
8/12/2021	8:24:20	0.018
8/12/2021	8:25:20	0.021
8/12/2021	8:26:20	0.022
8/12/2021	8:27:20	0.022
8/12/2021	8:28:20	0.026
8/12/2021	8:29:20	0.027
8/12/2021	8:30:20	0.025
8/12/2021	8:31:20	0.03
8/12/2021	8:32:20	0.028
8/12/2021	8:33:20	0.024
8/12/2021	8:34:20	0.021
8/12/2021	8:35:20	0.118
8/12/2021	8:36:20	0.021
8/12/2021	8:37:20	0.024

8/12/2021	8:38:20	0.019
8/12/2021	8:39:20	0.023
8/12/2021	8:40:20	0.023
8/12/2021	8:41:20	0.028
8/12/2021	8:42:20	0.022
8/12/2021	8:43:20	0.022
8/12/2021	8:44:20	0.023
8/12/2021	8:45:20	0.045
8/12/2021	8:46:20	0.09
8/12/2021	8:47:20	0.058
8/12/2021	8:48:20	1.69
8/12/2021	8:49:20	0.085
8/12/2021	8:50:20	0.056
8/12/2021	8:51:20	0.028
8/12/2021	8:52:20	0.024
8/12/2021	8:53:20	0.022

Brooklyn Navy Yard, Building 12B - Sewer Repair, 2021-02-04, Only working today

Created	2021-02-04 12:39:37 UTC by Ron Tramposch
Updated	2021-02-13 13:55:04 UTC by Ron Tramposch
Location	40.7012296, -73.9776746

Basic Information

Client	Brooklyn Navy Yard
Project Name	Building 12B - Sewer Repair
On-Site CORE Representative	Chris Erickson
CORE Project Manager	Ron Tramposch
General Contractor	Raytone Plumbing
Date	2021-02-04
Arrive On-Site	07:00
Depart Site	15:30

Conditions

Overcast, 34, 5, WNW, 08:54

Weather	Overcast
Temperature (F)	34
Wind Speed (MPH)	5
Wind Direction	WNW
Time	08:54

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No
Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	No

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

08:00, Raytone on site. Started removing snow.

Time	08:00
Description	Raytone on site. Started removing snow.

08:30, Still removing snow and placing off site

Time	08:30
Description	Still removing snow and placing off site

09:00, Started to drill asphalt

Time	09:00
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Description	Started to drill asphalt
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09:31, Excavating and carting off asphalt

Time	09:31
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Description	Excavating and carting off asphalt
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10:09, Still excavating soil

Time	10:09
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Description	Still excavating soil
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10:32, Dumped approximately 20 cubic feet of asphalt into truck to take off site, still excavating

Time	10:32
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Description	Dumped approximately 20 cubic feet of asphalt into truck to take off site, still excavating
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11:31, Still excavating soil, leaving it on poly

Time	11:31
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Description	Still excavating soil, leaving it on poly
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12:24, Cutting and removing part of the sewer pipe

Time	12:24
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Description	Cutting and removing part of the sewer pipe
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12:54, Pumping water from removing the pipe. Pumping to the drain north of the excavation. Still cutting pipe

Time	12:54
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Description	Pumping water from removing the pipe. Pumping to the drain north of the excavation. Still cutting pipe
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14:15, Started to backfill excavation with the previously excavated soil

Time	14:15
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Description	Started to backfill excavation with the previously excavated soil
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15:07, Finishing asphalt fill

Time	15:07
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Description	Finishing asphalt fill
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15:30, Raytone finished placing asphalt and is off site

Time	15:30
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Description	Raytone finished placing asphalt and is off site
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Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Drilling of asphalt

Photo



Description

Drilling of asphalt

Excavating of asphalt

Photo



Description

Excavating of asphalt

Upwind air monitor

Photo



Description

Upwind air monitor

Excavated soil

Photo



Description

Excavated soil

Removing pipe

Photo



Description

Removing pipe

Downwind air monitor

Photo



Description

Downwind air monitor

Parts of removed pipe

Photo



Description

Parts of removed pipe

Pouring of asphalt

Photo



Description

Pouring of asphalt

Finishing asphalt fill

Photo



Description Finishing asphalt fill

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

VOCs, MiniRAE 2000, Soil Excavation Area, 09:30, 0.5

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Excavation Area
Time	09:30
Concentration (ppm)	0.5

VOCs, MiniRAE 2000, Soil Excavation Area, 10:16, 1.2

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Excavation Area
Time	10:16
Concentration (ppm)	1.2

VOCs, MiniRAE 2000, Soil Excavation Area, 10:43, 0.8

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Excavation Area
Time	10:43
Concentration (ppm)	0.8

VOCs, MiniRAE 2000, Soil Excavation Area, 11:04, 1

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Excavation Area

Time	11:04
Concentration (ppm)	1

VOCs, MiniRAE 2000, Soil Excavation Area, 12:07, 1

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Excavation Area
Time	12:07
Concentration (ppm)	1

VOCs, MiniRAE 2000, Downwind, 13:38, 0.7

Pollutant	VOCs
Device	MiniRAE 2000
Location	Downwind
Time	13:38
Concentration (ppm)	0.7

VOCs, MiniRAE 2000, Soil Staging Area, 13:54, 1

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Staging Area
Time	13:54
Concentration (ppm)	1

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Upcoming Work Schedule	Only working today
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Model: DustTrak II
 Model Number: 8530
 Serial Number: 8530114002
 Test ID: 72
 Test Abbreviation: MANUAL_072
 Start Date: 2/4/2021
 Start Time: 8:53:23
 Duration (dd:hh:mm:ss): 0:06:28:00
 Log Interval (mm:ss): 1:00
 Number of points: 388
 Notes:

Statistics Channel: AEROSOL
 Units: mg/m³
 Average: 0.008
 Minimum: 0.002
 Time of Minimum: 10:34:23
 Date of Minimum: 2/4/2021
 Maximum: 0.396
 Time of Maximum: 14:49:23
 Date of Maximum: 2/4/2021

Calibration Sensor: AEROSOL
 Cal. date: 12/6/2021

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m ³
2/4/2021	8:54:23	0.012
2/4/2021	8:55:23	0.005
2/4/2021	8:56:23	0.01
2/4/2021	8:57:23	0.006
2/4/2021	8:58:23	0.008
2/4/2021	8:59:23	0.005
2/4/2021	9:00:23	0.005
2/4/2021	9:01:23	0.005
2/4/2021	9:02:23	0.007
2/4/2021	9:03:23	0.005
2/4/2021	9:04:23	0.006
2/4/2021	9:05:23	0.006
2/4/2021	9:06:23	0.01
2/4/2021	9:07:23	0.007
2/4/2021	9:08:23	0.005
2/4/2021	9:09:23	0.006
2/4/2021	9:10:23	0.006
2/4/2021	9:11:23	0.006
2/4/2021	9:12:23	0.005
2/4/2021	9:13:23	0.01

2/4/2021	9:14:23	0.008
2/4/2021	9:15:23	0.006
2/4/2021	9:16:23	0.006
2/4/2021	9:17:23	0.006
2/4/2021	9:18:23	0.006
2/4/2021	9:19:23	0.006
2/4/2021	9:20:23	0.006
2/4/2021	9:21:23	0.006
2/4/2021	9:22:23	0.006
2/4/2021	9:23:23	0.005
2/4/2021	9:24:23	0.005
2/4/2021	9:25:23	0.005
2/4/2021	9:26:23	0.005
2/4/2021	9:27:23	0.005
2/4/2021	9:28:23	0.005
2/4/2021	9:29:23	0.005
2/4/2021	9:30:23	0.006
2/4/2021	9:31:23	0.005
2/4/2021	9:32:23	0.006
2/4/2021	9:33:23	0.008
2/4/2021	9:34:23	0.005
2/4/2021	9:35:23	0.007
2/4/2021	9:36:23	0.006
2/4/2021	9:37:23	0.006
2/4/2021	9:38:23	0.005
2/4/2021	9:39:23	0.005
2/4/2021	9:40:23	0.005
2/4/2021	9:41:23	0.004
2/4/2021	9:42:23	0.005
2/4/2021	9:43:23	0.005
2/4/2021	9:44:23	0.005
2/4/2021	9:45:23	0.004
2/4/2021	9:46:23	0.005
2/4/2021	9:47:23	0.005
2/4/2021	9:48:23	0.004
2/4/2021	9:49:23	0.004
2/4/2021	9:50:23	0.003
2/4/2021	9:51:23	0.004
2/4/2021	9:52:23	0.004
2/4/2021	9:53:23	0.004
2/4/2021	9:54:23	0.004
2/4/2021	9:55:23	0.003
2/4/2021	9:56:23	0.004
2/4/2021	9:57:23	0.004
2/4/2021	9:58:23	0.004
2/4/2021	9:59:23	0.004
2/4/2021	10:00:23	0.004

2/4/2021	10:01:23	0.004
2/4/2021	10:02:23	0.004
2/4/2021	10:03:23	0.004
2/4/2021	10:04:23	0.003
2/4/2021	10:05:23	0.003
2/4/2021	10:06:23	0.004
2/4/2021	10:07:23	0.004
2/4/2021	10:08:23	0.004
2/4/2021	10:09:23	0.004
2/4/2021	10:10:23	0.003
2/4/2021	10:11:23	0.004
2/4/2021	10:12:23	0.004
2/4/2021	10:13:23	0.003
2/4/2021	10:14:23	0.003
2/4/2021	10:15:23	0.003
2/4/2021	10:16:23	0.003
2/4/2021	10:17:23	0.003
2/4/2021	10:18:23	0.003
2/4/2021	10:19:23	0.003
2/4/2021	10:20:23	0.003
2/4/2021	10:21:23	0.004
2/4/2021	10:22:23	0.004
2/4/2021	10:23:23	0.003
2/4/2021	10:24:23	0.004
2/4/2021	10:25:23	0.003
2/4/2021	10:26:23	0.004
2/4/2021	10:27:23	0.008
2/4/2021	10:28:23	0.004
2/4/2021	10:29:23	0.004
2/4/2021	10:30:23	0.004
2/4/2021	10:31:23	0.003
2/4/2021	10:32:23	0.003
2/4/2021	10:33:23	0.003
2/4/2021	10:34:23	0.002
2/4/2021	10:35:23	0.003
2/4/2021	10:36:23	0.002
2/4/2021	10:37:23	0.003
2/4/2021	10:38:23	0.003
2/4/2021	10:39:23	0.003
2/4/2021	10:40:23	0.004
2/4/2021	10:41:23	0.004
2/4/2021	10:42:23	0.004
2/4/2021	10:43:23	0.004
2/4/2021	10:44:23	0.004
2/4/2021	10:45:23	0.004
2/4/2021	10:46:23	0.003
2/4/2021	10:47:23	0.003

2/4/2021	10:48:23	0.003
2/4/2021	10:49:23	0.003
2/4/2021	10:50:23	0.003
2/4/2021	10:51:23	0.003
2/4/2021	10:52:23	0.002
2/4/2021	10:53:23	0.003
2/4/2021	10:54:23	0.005
2/4/2021	10:55:23	0.003
2/4/2021	10:56:23	0.003
2/4/2021	10:57:23	0.003
2/4/2021	10:58:23	0.003
2/4/2021	10:59:23	0.003
2/4/2021	11:00:23	0.003
2/4/2021	11:01:23	0.003
2/4/2021	11:02:23	0.003
2/4/2021	11:03:23	0.003
2/4/2021	11:04:23	0.003
2/4/2021	11:05:23	0.003
2/4/2021	11:06:23	0.003
2/4/2021	11:07:23	0.004
2/4/2021	11:08:23	0.003
2/4/2021	11:09:23	0.004
2/4/2021	11:10:23	0.003
2/4/2021	11:11:23	0.003
2/4/2021	11:12:23	0.003
2/4/2021	11:13:23	0.005
2/4/2021	11:14:23	0.003
2/4/2021	11:15:23	0.003
2/4/2021	11:16:23	0.003
2/4/2021	11:17:23	0.003
2/4/2021	11:18:23	0.003
2/4/2021	11:19:23	0.003
2/4/2021	11:20:23	0.003
2/4/2021	11:21:23	0.003
2/4/2021	11:22:23	0.003
2/4/2021	11:23:23	0.003
2/4/2021	11:24:23	0.003
2/4/2021	11:25:23	0.003
2/4/2021	11:26:23	0.003
2/4/2021	11:27:23	0.003
2/4/2021	11:28:23	0.003
2/4/2021	11:29:23	0.003
2/4/2021	11:30:23	0.003
2/4/2021	11:31:23	0.003
2/4/2021	11:32:23	0.003
2/4/2021	11:33:23	0.003
2/4/2021	11:34:23	0.003

2/4/2021	11:35:23	0.002
2/4/2021	11:36:23	0.003
2/4/2021	11:37:23	0.184
2/4/2021	11:38:23	0.005
2/4/2021	11:39:23	0.003
2/4/2021	11:40:23	0.004
2/4/2021	11:41:23	0.004
2/4/2021	11:42:23	0.004
2/4/2021	11:43:23	0.003
2/4/2021	11:44:23	0.003
2/4/2021	11:45:23	0.003
2/4/2021	11:46:23	0.003
2/4/2021	11:47:23	0.003
2/4/2021	11:48:23	0.003
2/4/2021	11:49:23	0.003
2/4/2021	11:50:23	0.003
2/4/2021	11:51:23	0.003
2/4/2021	11:52:23	0.003
2/4/2021	11:53:23	0.004
2/4/2021	11:54:23	0.004
2/4/2021	11:55:23	0.003
2/4/2021	11:56:23	0.004
2/4/2021	11:57:23	0.003
2/4/2021	11:58:23	0.003
2/4/2021	11:59:23	0.003
2/4/2021	12:00:23	0.003
2/4/2021	12:01:23	0.003
2/4/2021	12:02:23	0.003
2/4/2021	12:03:23	0.003
2/4/2021	12:04:23	0.004
2/4/2021	12:05:23	0.003
2/4/2021	12:06:23	0.003
2/4/2021	12:07:23	0.003
2/4/2021	12:08:23	0.004
2/4/2021	12:09:23	0.004
2/4/2021	12:10:23	0.004
2/4/2021	12:11:23	0.005
2/4/2021	12:12:23	0.004
2/4/2021	12:13:23	0.01
2/4/2021	12:14:23	0.004
2/4/2021	12:15:23	0.006
2/4/2021	12:16:23	0.004
2/4/2021	12:17:23	0.004
2/4/2021	12:18:23	0.008
2/4/2021	12:19:23	0.005
2/4/2021	12:20:23	0.004
2/4/2021	12:21:23	0.003

2/4/2021	12:22:23	0.006
2/4/2021	12:23:23	0.005
2/4/2021	12:24:23	0.002
2/4/2021	12:25:23	0.01
2/4/2021	12:26:23	0.009
2/4/2021	12:27:23	0.002
2/4/2021	12:28:23	0.002
2/4/2021	12:29:23	0.003
2/4/2021	12:30:23	0.003
2/4/2021	12:31:23	0.003
2/4/2021	12:32:23	0.003
2/4/2021	12:33:23	0.003
2/4/2021	12:34:23	0.003
2/4/2021	12:35:23	0.003
2/4/2021	12:36:23	0.003
2/4/2021	12:37:23	0.005
2/4/2021	12:38:23	0.004
2/4/2021	12:39:23	0.004
2/4/2021	12:40:23	0.03
2/4/2021	12:41:23	0.003
2/4/2021	12:42:23	0.003
2/4/2021	12:43:23	0.003
2/4/2021	12:44:23	0.003
2/4/2021	12:45:23	0.003
2/4/2021	12:46:23	0.002
2/4/2021	12:47:23	0.003
2/4/2021	12:48:23	0.003
2/4/2021	12:49:23	0.011
2/4/2021	12:50:23	0.009
2/4/2021	12:51:23	0.004
2/4/2021	12:52:23	0.003
2/4/2021	12:53:23	0.003
2/4/2021	12:54:23	0.003
2/4/2021	12:55:23	0.003
2/4/2021	12:56:23	0.004
2/4/2021	12:57:23	0.003
2/4/2021	12:58:23	0.003
2/4/2021	12:59:23	0.003
2/4/2021	13:00:23	0.003
2/4/2021	13:01:23	0.004
2/4/2021	13:02:23	0.006
2/4/2021	13:03:23	0.006
2/4/2021	13:04:23	0.004
2/4/2021	13:05:23	0.003
2/4/2021	13:06:23	0.003
2/4/2021	13:07:23	0.004
2/4/2021	13:08:23	0.003

2/4/2021	13:09:23	0.003
2/4/2021	13:10:23	0.003
2/4/2021	13:11:23	0.003
2/4/2021	13:12:23	0.003
2/4/2021	13:13:23	0.003
2/4/2021	13:14:23	0.003
2/4/2021	13:15:23	0.003
2/4/2021	13:16:23	0.004
2/4/2021	13:17:23	0.006
2/4/2021	13:18:23	0.004
2/4/2021	13:19:23	0.004
2/4/2021	13:20:23	0.004
2/4/2021	13:21:23	0.003
2/4/2021	13:22:23	0.003
2/4/2021	13:23:23	0.003
2/4/2021	13:24:23	0.004
2/4/2021	13:25:23	0.004
2/4/2021	13:26:23	0.003
2/4/2021	13:27:23	0.004
2/4/2021	13:28:23	0.003
2/4/2021	13:29:23	0.003
2/4/2021	13:30:23	0.003
2/4/2021	13:31:23	0.004
2/4/2021	13:32:23	0.004
2/4/2021	13:33:23	0.004
2/4/2021	13:34:23	0.004
2/4/2021	13:35:23	0.004
2/4/2021	13:36:23	0.003
2/4/2021	13:37:23	0.004
2/4/2021	13:38:23	0.004
2/4/2021	13:39:23	0.004
2/4/2021	13:40:23	0.003
2/4/2021	13:41:23	0.004
2/4/2021	13:42:23	0.003
2/4/2021	13:43:23	0.003
2/4/2021	13:44:23	0.003
2/4/2021	13:45:23	0.003
2/4/2021	13:46:23	0.003
2/4/2021	13:47:23	0.003
2/4/2021	13:48:23	0.003
2/4/2021	13:49:23	0.003
2/4/2021	13:50:23	0.003
2/4/2021	13:51:23	0.004
2/4/2021	13:52:23	0.004
2/4/2021	13:53:23	0.004
2/4/2021	13:54:23	0.003
2/4/2021	13:55:23	0.002

2/4/2021	13:56:23	0.003
2/4/2021	13:57:23	0.003
2/4/2021	13:58:23	0.003
2/4/2021	13:59:23	0.003
2/4/2021	14:00:23	0.003
2/4/2021	14:01:23	0.003
2/4/2021	14:02:23	0.003
2/4/2021	14:03:23	0.003
2/4/2021	14:04:23	0.003
2/4/2021	14:05:23	0.003
2/4/2021	14:06:23	0.003
2/4/2021	14:07:23	0.003
2/4/2021	14:08:23	0.003
2/4/2021	14:09:23	0.002
2/4/2021	14:10:23	0.003
2/4/2021	14:11:23	0.002
2/4/2021	14:12:23	0.002
2/4/2021	14:13:23	0.004
2/4/2021	14:14:23	0.005
2/4/2021	14:15:23	0.003
2/4/2021	14:16:23	0.002
2/4/2021	14:17:23	0.003
2/4/2021	14:18:23	0.003
2/4/2021	14:19:23	0.002
2/4/2021	14:20:23	0.005
2/4/2021	14:21:23	0.004
2/4/2021	14:22:23	0.003
2/4/2021	14:23:23	0.003
2/4/2021	14:24:23	0.003
2/4/2021	14:25:23	0.003
2/4/2021	14:26:23	0.003
2/4/2021	14:27:23	0.003
2/4/2021	14:28:23	0.003
2/4/2021	14:29:23	0.003
2/4/2021	14:30:23	0.003
2/4/2021	14:31:23	0.003
2/4/2021	14:32:23	0.004
2/4/2021	14:33:23	0.004
2/4/2021	14:34:23	0.003
2/4/2021	14:35:23	0.004
2/4/2021	14:36:23	0.004
2/4/2021	14:37:23	0.006
2/4/2021	14:38:23	0.006
2/4/2021	14:39:23	0.003
2/4/2021	14:40:23	0.005
2/4/2021	14:41:23	0.003
2/4/2021	14:42:23	0.003

2/4/2021	14:43:23	0.003
2/4/2021	14:44:23	0.002
2/4/2021	14:45:23	0.002
2/4/2021	14:46:23	0.002
2/4/2021	14:47:23	0.003
2/4/2021	14:48:23	0.025
2/4/2021	14:49:23	0.396
2/4/2021	14:50:23	0.281
2/4/2021	14:51:23	0.071
2/4/2021	14:52:23	0.011
2/4/2021	14:53:23	0.023
2/4/2021	14:54:23	0.008
2/4/2021	14:55:23	0.007
2/4/2021	14:56:23	0.094
2/4/2021	14:57:23	0.055
2/4/2021	14:58:23	0.022
2/4/2021	14:59:23	0.086
2/4/2021	15:00:23	0.017
2/4/2021	15:01:23	0.166
2/4/2021	15:02:23	0.1
2/4/2021	15:03:23	0.02
2/4/2021	15:04:23	0.004
2/4/2021	15:05:23	0.019
2/4/2021	15:06:23	0.004
2/4/2021	15:07:23	0.003
2/4/2021	15:08:23	0.016
2/4/2021	15:09:23	0.008
2/4/2021	15:10:23	0.005
2/4/2021	15:11:23	0.002
2/4/2021	15:12:23	0.003
2/4/2021	15:13:23	0.005
2/4/2021	15:14:23	0.013
2/4/2021	15:15:23	0.007
2/4/2021	15:16:23	0.031
2/4/2021	15:17:23	0.004
2/4/2021	15:18:23	0.003
2/4/2021	15:19:23	0.005
2/4/2021	15:20:23	0.003
2/4/2021	15:21:23	0.003

Model: DustTrak II
 Model Number: 8530
 Serial Number: 8530114003
 Test ID: 60
 Test Abbreviation: MANUAL_060
 Start Date: 2/4/2021
 Start Time: 8:51:54
 Duration (dd:hh:mm:ss): 0:00:13:00
 Log Interval (mm:ss): 1:00
 Number of points: 13
 Notes: ERROR: FLOW

Statistics Channel: AEROSOL
 Units: mg/m³
 Average: 0.104
 Minimum: 0
 Time of Minimum: 8:55:54
 Date of Minimum: 2/4/2021
 Maximum: 0.782
 Time of Maximum: 8:52:54
 Date of Maximum: 2/4/2021

Calibration Sensor: AEROSOL
 Cal. date: 12/6/2021

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
2/4/2021	8:52:54	0.782
2/4/2021	8:53:54	0.159
2/4/2021	8:54:54	0.091
2/4/2021	8:55:54	0
2/4/2021	8:56:54	0.003
2/4/2021	8:57:54	0.306
2/4/2021	8:58:54	0
2/4/2021	8:59:54	0.003
2/4/2021	9:00:54	0
2/4/2021	9:01:54	0.003
2/4/2021	9:02:54	0
2/4/2021	9:03:54	0.001
2/4/2021	9:04:54	0.001
2/4/2021	9:15:34	0.004
2/4/2021	9:16:34	0.01
2/4/2021	9:17:34	0.001
2/4/2021	9:18:34	0
2/4/2021	9:19:34	0
2/4/2021	9:20:34	0
2/4/2021	9:21:34	0.002

2/4/2021	9:22:34	0.002
2/4/2021	9:23:34	0.01
2/4/2021	9:24:34	0
2/4/2021	9:25:34	0
2/4/2021	9:26:34	0
2/4/2021	9:27:34	0.001
2/4/2021	9:28:34	0.001
2/4/2021	9:29:34	0
2/4/2021	9:30:34	0
2/4/2021	9:31:34	0.002
2/4/2021	9:32:34	0.006
2/4/2021	9:33:34	0.007
2/4/2021	9:34:34	0.002
2/4/2021	9:35:34	0.001
2/4/2021	9:51:06	0.002
2/4/2021	9:52:06	0.002
2/4/2021	9:53:06	0.002
2/4/2021	9:54:06	0.002
2/4/2021	9:55:06	0.002
2/4/2021	9:56:06	0.002
2/4/2021	9:57:06	0.003
2/4/2021	9:58:06	0.003
2/4/2021	9:59:06	0.003
2/4/2021	10:00:06	0.003
2/4/2021	10:01:06	0.002
2/4/2021	10:02:06	0.003
2/4/2021	10:03:06	0.003
2/4/2021	10:04:06	0.002
2/4/2021	10:05:06	0.002
2/4/2021	10:06:06	0.003
2/4/2021	10:07:06	0.003
2/4/2021	10:08:06	0.003
2/4/2021	10:09:06	0.003
2/4/2021	10:10:06	0.003
2/4/2021	10:11:06	0.003
2/4/2021	10:12:06	0.003
2/4/2021	10:13:06	0.003
2/4/2021	10:14:06	0.003
2/4/2021	10:15:06	0.003
2/4/2021	10:16:06	0.003
2/4/2021	10:17:06	0.002
2/4/2021	10:18:06	0.003
2/4/2021	10:19:06	0.003
2/4/2021	10:20:06	0.003
2/4/2021	10:21:06	0.003
2/4/2021	10:22:06	0.003
2/4/2021	10:23:06	0.003

2/4/2021	10:24:06	0.003
2/4/2021	10:25:06	0.003
2/4/2021	10:26:06	0.003
2/4/2021	10:27:06	0.003
2/4/2021	10:28:06	0.003
2/4/2021	10:29:06	0.003
2/4/2021	10:30:06	0.003
2/4/2021	10:31:06	0.003
2/4/2021	10:32:06	0.003
2/4/2021	10:33:06	0.003
2/4/2021	10:34:06	0.002
2/4/2021	10:35:06	0.002
2/4/2021	10:36:06	0.003
2/4/2021	10:37:06	0.003
2/4/2021	10:38:06	0.003
2/4/2021	10:39:06	0.003
2/4/2021	10:40:06	0.003
2/4/2021	10:41:06	0.004
2/4/2021	10:42:06	0.004
2/4/2021	10:43:06	0.004
2/4/2021	10:44:06	0.004
2/4/2021	10:45:06	0.003
2/4/2021	10:46:06	0.003
2/4/2021	10:47:06	0.003
2/4/2021	10:48:06	0.003
2/4/2021	10:49:06	0.003
2/4/2021	10:50:06	0.003
2/4/2021	10:51:06	0.003
2/4/2021	10:52:06	0.003
2/4/2021	10:53:06	0.003
2/4/2021	10:54:06	0.003
2/4/2021	10:55:06	0.003
2/4/2021	10:56:06	0.003
2/4/2021	10:57:06	0.003
2/4/2021	10:58:06	0.003
2/4/2021	10:59:06	0.003
2/4/2021	11:00:06	0.003
2/4/2021	11:01:06	0.004
2/4/2021	11:02:06	0.003
2/4/2021	11:03:06	0.004
2/4/2021	11:04:06	0.003
2/4/2021	11:05:06	0.003
2/4/2021	11:06:06	0.003
2/4/2021	11:07:06	0.003
2/4/2021	11:08:06	0.004
2/4/2021	11:09:06	0.004
2/4/2021	11:10:06	0.004

2/4/2021	11:11:06	0.004
2/4/2021	11:12:06	0.003
2/4/2021	11:13:06	0.004
2/4/2021	11:14:06	0.004
2/4/2021	11:15:06	0.003
2/4/2021	11:16:06	0.004
2/4/2021	11:17:06	0.003
2/4/2021	11:18:06	0.003
2/4/2021	11:19:06	0.003
2/4/2021	11:20:06	0.004
2/4/2021	11:21:06	0.004
2/4/2021	11:22:06	0.004
2/4/2021	11:23:06	0.004
2/4/2021	11:24:06	0.003
2/4/2021	11:25:06	0.003
2/4/2021	11:26:06	0.003
2/4/2021	11:27:06	0.003
2/4/2021	11:28:06	0.003
2/4/2021	11:29:06	0.003
2/4/2021	11:30:06	0.003
2/4/2021	11:31:06	0.003
2/4/2021	11:32:06	0.003
2/4/2021	11:33:06	0.003
2/4/2021	11:34:06	0.003
2/4/2021	11:35:06	0.003
2/4/2021	11:36:06	0.007
2/4/2021	11:37:06	0.004
2/4/2021	11:38:06	0.004
2/4/2021	11:39:06	0.004
2/4/2021	11:40:06	0.003
2/4/2021	11:41:06	0.004
2/4/2021	11:42:06	0.004
2/4/2021	11:43:06	0.003
2/4/2021	11:44:06	0.003
2/4/2021	11:45:06	0.003
2/4/2021	11:46:06	0.003
2/4/2021	11:47:06	0.003
2/4/2021	11:48:06	0.003
2/4/2021	11:49:06	0.005
2/4/2021	11:50:06	0.003
2/4/2021	11:51:06	0.003
2/4/2021	11:52:06	0.003
2/4/2021	11:53:06	0.005
2/4/2021	11:54:06	0.004
2/4/2021	11:55:06	0.003
2/4/2021	11:56:06	0.003
2/4/2021	11:57:06	0.003

2/4/2021	11:58:06	0.003
2/4/2021	11:59:06	0.003
2/4/2021	12:00:06	0.003
2/4/2021	12:01:06	0.003
2/4/2021	12:02:06	0.003
2/4/2021	12:03:06	0.003
2/4/2021	12:04:06	0.003
2/4/2021	12:05:06	0.003
2/4/2021	12:06:06	0.003
2/4/2021	12:07:06	0.003
2/4/2021	12:08:06	0.003
2/4/2021	12:09:06	0.004
2/4/2021	12:10:06	0.004
2/4/2021	12:11:06	0.005
2/4/2021	12:12:06	0.004
2/4/2021	12:13:06	0.003
2/4/2021	12:14:06	0.003
2/4/2021	12:15:06	0.004
2/4/2021	12:16:06	0.004
2/4/2021	12:17:06	0.005
2/4/2021	12:18:06	0.01
2/4/2021	12:19:06	0.011
2/4/2021	12:20:06	0.005
2/4/2021	12:21:06	0.004
2/4/2021	12:22:06	0.006
2/4/2021	12:23:06	0.006
2/4/2021	12:24:06	0.003
2/4/2021	12:25:06	0.006
2/4/2021	12:26:06	0.007
2/4/2021	12:27:06	0.002
2/4/2021	12:28:06	0.002
2/4/2021	12:29:06	0.003
2/4/2021	12:30:06	0.003
2/4/2021	12:31:06	0.003
2/4/2021	12:32:06	0.003
2/4/2021	12:33:06	0.003
2/4/2021	12:34:06	0.003
2/4/2021	12:35:06	0.003
2/4/2021	12:36:06	0.003
2/4/2021	12:37:06	0.009
2/4/2021	12:38:06	0.019
2/4/2021	12:39:06	0.009
2/4/2021	12:40:06	0.002
2/4/2021	12:41:06	0.002
2/4/2021	12:42:06	0.002
2/4/2021	12:43:06	0.002
2/4/2021	12:44:06	0.003

2/4/2021	12:45:06	0.002
2/4/2021	12:46:06	0.003
2/4/2021	12:47:06	0.002
2/4/2021	12:48:06	0.003
2/4/2021	12:49:06	0.003
2/4/2021	12:50:06	0.019
2/4/2021	12:51:06	0.009
2/4/2021	12:52:06	0.003
2/4/2021	12:53:06	0.003
2/4/2021	12:54:06	0.003
2/4/2021	12:55:06	0.003
2/4/2021	12:56:06	0.003
2/4/2021	12:57:06	0.003
2/4/2021	12:58:06	0.003
2/4/2021	12:59:06	0.003
2/4/2021	13:00:06	0.003
2/4/2021	13:01:06	0.004
2/4/2021	13:02:06	0.004
2/4/2021	13:03:06	0.003
2/4/2021	13:04:06	0.003
2/4/2021	13:05:06	0.003
2/4/2021	13:06:06	0.004
2/4/2021	13:07:06	0.004
2/4/2021	13:08:06	0.003
2/4/2021	13:09:06	0.003
2/4/2021	13:10:06	0.003
2/4/2021	13:11:06	0.002
2/4/2021	13:12:06	0.003
2/4/2021	13:13:06	0.003
2/4/2021	13:14:06	0.002
2/4/2021	13:15:06	0.003
2/4/2021	13:16:06	0.003
2/4/2021	13:17:06	0.003
2/4/2021	13:18:06	0.004
2/4/2021	13:19:06	0.004
2/4/2021	13:20:06	0.004
2/4/2021	13:21:06	0.003
2/4/2021	13:22:06	0.003
2/4/2021	13:23:06	0.003
2/4/2021	13:24:06	0.003
2/4/2021	13:25:06	0.003
2/4/2021	13:26:06	0.003
2/4/2021	13:27:06	0.003
2/4/2021	13:28:06	0.003
2/4/2021	13:29:06	0.003
2/4/2021	13:30:06	0.003
2/4/2021	13:31:06	0.004

2/4/2021	13:32:06	0.004
2/4/2021	13:33:06	0.003
2/4/2021	13:34:06	0.004
2/4/2021	13:35:06	0.004
2/4/2021	13:36:06	0.003
2/4/2021	13:37:06	0.003
2/4/2021	13:38:06	0.004
2/4/2021	13:39:06	0.004
2/4/2021	13:40:06	0.003
2/4/2021	13:41:06	0.003
2/4/2021	13:42:06	0.003
2/4/2021	13:43:06	0.003
2/4/2021	13:44:06	0.003
2/4/2021	13:45:06	0.003
2/4/2021	13:46:06	0.003
2/4/2021	13:47:06	0.003
2/4/2021	13:48:06	0.003
2/4/2021	13:49:06	0.003
2/4/2021	13:50:06	0.003
2/4/2021	13:51:06	0.003
2/4/2021	13:52:06	0.004
2/4/2021	13:53:06	0.003
2/4/2021	13:54:06	0.003
2/4/2021	13:55:06	0.002
2/4/2021	13:56:06	0.002
2/4/2021	13:57:06	0.002
2/4/2021	13:58:06	0.002
2/4/2021	13:59:06	0.003
2/4/2021	14:00:06	0.003
2/4/2021	14:01:06	0.003
2/4/2021	14:02:06	0.003
2/4/2021	14:03:06	0.003
2/4/2021	14:04:06	0.003
2/4/2021	14:05:06	0.003
2/4/2021	14:06:06	0.003
2/4/2021	14:07:06	0.003
2/4/2021	14:08:06	0.002
2/4/2021	14:09:06	0.002
2/4/2021	14:10:06	0.002
2/4/2021	14:11:06	0.002
2/4/2021	14:12:06	0.002
2/4/2021	14:13:06	0.002
2/4/2021	14:14:06	0.003
2/4/2021	14:15:06	0.006
2/4/2021	14:16:06	0.003
2/4/2021	14:17:06	0.003
2/4/2021	14:18:06	0.003

2/4/2021	14:19:06	0.003
2/4/2021	14:20:06	0.005
2/4/2021	14:21:06	0.003
2/4/2021	14:22:06	0.004
2/4/2021	14:23:06	0.005
2/4/2021	14:24:06	0.003
2/4/2021	14:25:06	0.002
2/4/2021	14:26:06	0.003
2/4/2021	14:27:06	0.004
2/4/2021	14:28:06	0.003
2/4/2021	14:29:06	0.003
2/4/2021	14:30:06	0.004
2/4/2021	14:31:06	0.003
2/4/2021	14:32:06	0.003
2/4/2021	14:33:06	0.002
2/4/2021	14:34:06	0.002
2/4/2021	14:35:06	0.004
2/4/2021	14:36:06	0.008
2/4/2021	14:37:06	0.005
2/4/2021	14:38:06	0.006
2/4/2021	14:39:06	0.004
2/4/2021	14:40:06	0.003
2/4/2021	14:41:06	0.003
2/4/2021	14:42:06	0.003
2/4/2021	14:43:06	0.002
2/4/2021	14:44:06	0.002
2/4/2021	14:45:06	0.002
2/4/2021	14:46:06	0.002
2/4/2021	14:47:06	0.003
2/4/2021	14:48:06	0.003
2/4/2021	14:49:06	0.003
2/4/2021	14:50:06	0.003
2/4/2021	14:51:06	0.036
2/4/2021	14:52:06	0.013
2/4/2021	14:53:06	0.007
2/4/2021	14:54:06	0.11
2/4/2021	14:55:06	0.104
2/4/2021	14:56:06	0.039
2/4/2021	14:57:06	0.002
2/4/2021	14:58:06	0.002
2/4/2021	14:59:06	0.003
2/4/2021	15:00:06	0.004
2/4/2021	15:01:06	0.003
2/4/2021	15:02:06	0.002
2/4/2021	15:03:06	0.002
2/4/2021	15:04:06	0.002
2/4/2021	15:05:06	0.002

2/4/2021	15:06:06	0.002
2/4/2021	15:07:06	0.002
2/4/2021	15:08:06	0.002
2/4/2021	15:09:06	0.002
2/4/2021	15:10:06	0.004
2/4/2021	15:11:06	0.016
2/4/2021	15:12:06	0.019
2/4/2021	15:13:06	0.011
2/4/2021	15:14:06	0.003
2/4/2021	15:15:06	0.002
2/4/2021	15:16:06	0.002
2/4/2021	15:17:06	0.003

Brooklyn Navy Yard, Cumberland Gate - Emergency Water Line Repair, 2021-02-13, Raytone will schedule repair when DEP turns waterline off- could be at night.

Created	2021-02-13 13:58:44 UTC by Ron Tramposch
Updated	2021-02-13 22:30:46 UTC by Ron Tramposch
Location	40.6985726, -73.9744372

Basic Information

Client	Brooklyn Navy Yard
Project Name	Cumberland Gate - Emergency Water Line Repair
On-Site CORE Representative	Jacob Thomann
CORE Project Manager	Ron Tramposch
General Contractor	Raytone Plumbing
Date	2021-02-13
Arrive On-Site	08:00
Depart Site	17:30

Conditions

Clear, Cold, 27, 11, NNE, 08:20

Weather	Clear, Cold
Temperature (F)	27
Wind Speed (MPH)	11
Wind Direction	NNE
Time	08:20

Clear, Cold, 30, 7, E, 13:20

Weather	Clear, Cold
Temperature (F)	30
Wind Speed (MPH)	7
Wind Direction	E
Time	13:20

Material

Asphalt, 10, Cubic Yards, Site Cover, Offsite

Material	Asphalt
Quantity	10
Unit of Measure	Cubic Yards
Source	Site Cover
Destination	Offsite
Time	10:17

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No

Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	No

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

08:00, Jacob Thomann and Raytone Plumbing on-site. Air monitor are setup at upwind and downwind of the excavation.

Time	08:00
Description	Jacob Thomann and Raytone Plumbing on-site. Air monitor are setup at upwind and downwind of the excavation.

08:10, Raytone saw cut and Jack hammering at excavation area. Soil staging area is west of excavation area.

Time	08:10
Description	Raytone saw cut and Jack hammering at excavation area. Soil staging area is west of excavation area.

09:02, Raytone are digging soil from excavation area.

Time	09:02
Description	Raytone are digging soil from excavation area.

09:35, Raytone are Jack hammering to expand the excavation area

Time	09:35
Description	Raytone are Jack hammering to expand the excavation area

10:16, Raytone continue digging soil from excavation area and dispose of asphalt in dump truck.

Time	10:16
Description	Raytone continue digging soil from excavation area and dispose of asphalt in dump truck.

11:11, Raytone continue digging soil from excavation area with excavator.

Time	11:11
Description	Raytone continue digging soil from excavation area with excavator.

12:40, Raytone continue digging soil from excavation area with excavator.

Time	12:40
Description	Raytone continue digging soil from excavation area with excavator.

13:09, Raytone continue digging soil from excavation area with excavator.

Time	13:09
Description	Raytone continue digging soil from excavation area with excavator.

13:30, Raytone uncover the broken section of the waterline. They are waiting for DEP to shutoff waterline before repairing.

Time	13:30
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Description Raytone uncover the broken section of the waterline. They are waiting for DEP to shutoff waterline before repairing.

16:30, Raytone still waiting for DEP to shut off waterline.

Time 16:30

Description Raytone still waiting for DEP to shut off waterline.

17:10, Raytone plumbing backfilling excavation area. The DEP would not shut waterline off, so they will make the repair another day.

Time 17:10

Description Raytone plumbing backfilling excavation area. The DEP would not shut waterline off, so they will make the repair another day.

17:30, Excavation area fully back filled. Raytone and Jacob Thomann off site.

Time 17:30

Description Excavation area fully back filled. Raytone and Jacob Thomann off site.

Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Upwind air monitor

Photo

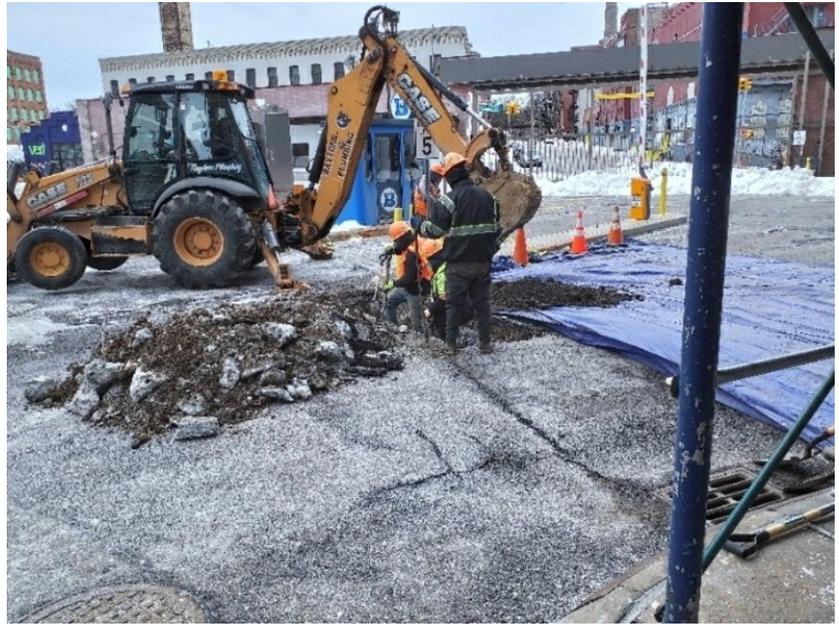


Time 09:04

Description Upwind air monitor

Excavation area

Photo



Time

09:05

Description

Excavation area

Downwind air monitor

Photo



Time

09:06

Description

Downwind air monitor

Pid reading

Photo



Time 09:06

Description Pid reading

Excavation area

Photo



Time 11:11

Description Excavation area

Excavation area being backfilled.

Photo



Time	17:14
Description	Excavation area being backfilled.

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

VOCs, MiniRAE 2000, Downwind, 09:07, 0

Pollutant	VOCs
Device	MiniRAE 2000
Location	Downwind
Time	09:07
Concentration (ppm)	0

VOCs, MiniRAE 2000, Downwind, 11:09, 0

Pollutant	VOCs
Device	MiniRAE 2000
Location	Downwind
Time	11:09
Concentration (ppm)	0

VOCs, MiniRAE 2000, Soil Excavation Area, 12:40, 0

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Excavation Area
Time	12:40
Concentration (ppm)	0

VOCs, MiniRAE 2000, Downwind, 16:30, 0

Pollutant	VOCs
Device	MiniRAE 2000

Location	Downwind
Time	16:30
Concentration (ppm)	0

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Upcoming Work Schedule	Raytone will schedule repair when DEP turns waterline off- could be at night.
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Brooklyn Navy Yard, Cumberland Gate - Emergency Water Line Repair, 2021-02-17, No indication of next excavation, raytone working to repair valve.

Created	2021-02-17 12:40:06 UTC by Ron Tramosch
Updated	2021-02-17 20:33:50 UTC by Ron Tramosch
Location	40.6984126, -73.9746064

Basic Information

Client	Brooklyn Navy Yard
Project Name	Cumberland Gate - Emergency Water Line Repair
On-Site CORE Representative	Jacob Thomann
CORE Project Manager	Ron Tramosch
General Contractor	Raytone Plumbing
Date	2021-02-17
Arrive On-Site	07:30
Depart Site	15:30

Conditions

Clear, Cold, 25, 11, NW, 07:40

Weather	Clear, Cold
Temperature (F)	25
Wind Speed (MPH)	11
Wind Direction	NW
Time	07:40

Clear, Cold, 30, 6, NW, 12:34

Weather	Clear, Cold
Temperature (F)	30
Wind Speed (MPH)	6
Wind Direction	NW
Time	12:34

Material

Soil, 10, Cubic Yards, Excavation Pit, Poly Tarp

Material	Soil
Quantity	10
Unit of Measure	Cubic Yards
Source	Excavation Pit
Destination	Poly Tarp
Time	15:30

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No

Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	No

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

09:00, Raytone start digging south of water line break. They are trying to uncover a water valve and hoping to shut the water off from there.

Time	09:00
Description	Raytone start digging south of water line break. They are trying to uncover a water valve and hoping to shut the water off from there.

09:38, Raytone continue digging.

Time	09:38
Description	Raytone continue digging.

10:25, Raytone continue digging.

Time	10:25
Description	Raytone continue digging.

11:35, Raytone continue digging.

Time	11:35
Description	Raytone continue digging.

12:35, Raytone continue digging.

Time	12:35
Description	Raytone continue digging.

13:00, Bny try shutting off valve with no success, raytone keep digging deeper.

Time	13:00
Description	Bny try shutting off valve with no success, raytone keep digging deeper.

14:29, Raytone have no success shutting off valve.

Time	14:29
Description	Raytone have no success shutting off valve.

15:30, Raytone shore and cover up excavation hole and tarp all soils. Jacob Thomann offsite.

Time	15:30
Description	Raytone shore and cover up excavation hole and tarp all soils. Jacob Thomann offsite.

Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Digging south of water main break.

Photo



Time

09:38

Description

Digging south of water main break.

Upwind air monitor

Photo



Time

09:39

Description

Upwind air monitor

Soil on poly

Photo



Time

09:39

Description

Soil on poly

Digging

Photo



Time

10:25

Description

Digging

Soil

Photo



Time 13:11

Description Soil

Excavation pit

Photo



Time 14:30

Description Excavation pit

Shoring and covering pit

Photo



Time	14:45
Description	Shoring and covering pit

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

VOCs, MiniRAE 2000, Downwind, 09:40, 0

Pollutant	VOCs
Device	MiniRAE 2000
Location	Downwind
Time	09:40
Concentration (ppm)	0

VOCs, MiniRAE 2000, Downwind, 12:35, 0

Pollutant	VOCs
Device	MiniRAE 2000
Location	Downwind
Time	12:35
Concentration (ppm)	0

VOCs, MiniRAE 2000, Soil Staging Area, 13:16, 0

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Staging Area
Time	13:16
Concentration (ppm)	0

VOCs, MiniRAE 2000, Downwind, 14:30, 0

Pollutant	VOCs
Device	MiniRAE 2000

Location	Downwind
Time	14:30
Concentration (ppm)	0

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Upcoming Work Schedule	No indication of next excavation, raytone working to repair valve.
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Model: DustTrak II
Model Number: 8530
Serial Number: 8530114002
Test ID: 79
Test Abbreviation: MANUAL_079
Start Date: 2/13/2021
Start Time: 8:19:06
Duration (dd:hh:mm:ss): 0:08:45:00
Log Interval (mm:ss): 1:00
Number of points: 525
Notes:

Statistics Channel: AEROSOL
Units: mg/m³
Average: 0.014
Minimum: 0.008
Time of Minimum: 9:01:06
Date of Minimum: 2/13/2021
Maximum: 0.042
Time of Maximum: 15:28:06
Date of Maximum: 2/13/2021

Calibration Sensor: AEROSOL
Cal. date 12/6/2021

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
2/13/2021	8:20:06	0.034
2/13/2021	8:21:06	0.012
2/13/2021	8:22:06	0.011
2/13/2021	8:23:06	0.012
2/13/2021	8:24:06	0.013
2/13/2021	8:25:06	0.013
2/13/2021	8:26:06	0.013
2/13/2021	8:27:06	0.013
2/13/2021	8:28:06	0.013
2/13/2021	8:29:06	0.012
2/13/2021	8:30:06	0.013
2/13/2021	8:31:06	0.012
2/13/2021	8:32:06	0.012
2/13/2021	8:33:06	0.012
2/13/2021	8:34:06	0.011
2/13/2021	8:35:06	0.011
2/13/2021	8:36:06	0.011
2/13/2021	8:37:06	0.011
2/13/2021	8:38:06	0.012
2/13/2021	8:39:06	0.011

2/13/2021	8:40:06	0.011
2/13/2021	8:41:06	0.011
2/13/2021	8:42:06	0.011
2/13/2021	8:43:06	0.011
2/13/2021	8:44:06	0.01
2/13/2021	8:45:06	0.011
2/13/2021	8:46:06	0.011
2/13/2021	8:47:06	0.011
2/13/2021	8:48:06	0.011
2/13/2021	8:49:06	0.012
2/13/2021	8:50:06	0.011
2/13/2021	8:51:06	0.012
2/13/2021	8:52:06	0.012
2/13/2021	8:53:06	0.011
2/13/2021	8:54:06	0.011
2/13/2021	8:55:06	0.01
2/13/2021	8:56:06	0.011
2/13/2021	8:57:06	0.01
2/13/2021	8:58:06	0.009
2/13/2021	8:59:06	0.009
2/13/2021	9:00:06	0.009
2/13/2021	9:01:06	0.008
2/13/2021	9:02:06	0.008
2/13/2021	9:03:06	0.009
2/13/2021	9:04:06	0.01
2/13/2021	9:05:06	0.009
2/13/2021	9:06:06	0.009
2/13/2021	9:07:06	0.009
2/13/2021	9:08:06	0.009
2/13/2021	9:09:06	0.009
2/13/2021	9:10:06	0.009
2/13/2021	9:11:06	0.009
2/13/2021	9:12:06	0.009
2/13/2021	9:13:06	0.009
2/13/2021	9:14:06	0.009
2/13/2021	9:15:06	0.009
2/13/2021	9:16:06	0.009
2/13/2021	9:17:06	0.009
2/13/2021	9:18:06	0.008
2/13/2021	9:19:06	0.009
2/13/2021	9:20:06	0.009
2/13/2021	9:21:06	0.009
2/13/2021	9:22:06	0.01
2/13/2021	9:23:06	0.011
2/13/2021	9:24:06	0.011
2/13/2021	9:25:06	0.01
2/13/2021	9:26:06	0.011

2/13/2021	9:27:06	0.01
2/13/2021	9:28:06	0.01
2/13/2021	9:29:06	0.009
2/13/2021	9:30:06	0.01
2/13/2021	9:31:06	0.009
2/13/2021	9:32:06	0.01
2/13/2021	9:33:06	0.01
2/13/2021	9:34:06	0.009
2/13/2021	9:35:06	0.01
2/13/2021	9:36:06	0.009
2/13/2021	9:37:06	0.009
2/13/2021	9:38:06	0.009
2/13/2021	9:39:06	0.01
2/13/2021	9:40:06	0.01
2/13/2021	9:41:06	0.01
2/13/2021	9:42:06	0.009
2/13/2021	9:43:06	0.01
2/13/2021	9:44:06	0.01
2/13/2021	9:45:06	0.01
2/13/2021	9:46:06	0.01
2/13/2021	9:47:06	0.01
2/13/2021	9:48:06	0.009
2/13/2021	9:49:06	0.01
2/13/2021	9:50:06	0.01
2/13/2021	9:51:06	0.011
2/13/2021	9:52:06	0.01
2/13/2021	9:53:06	0.01
2/13/2021	9:54:06	0.01
2/13/2021	9:55:06	0.009
2/13/2021	9:56:06	0.009
2/13/2021	9:57:06	0.01
2/13/2021	9:58:06	0.009
2/13/2021	9:59:06	0.009
2/13/2021	10:00:06	0.01
2/13/2021	10:01:06	0.01
2/13/2021	10:02:06	0.01
2/13/2021	10:03:06	0.01
2/13/2021	10:04:06	0.01
2/13/2021	10:05:06	0.01
2/13/2021	10:06:06	0.01
2/13/2021	10:07:06	0.01
2/13/2021	10:08:06	0.01
2/13/2021	10:09:06	0.01
2/13/2021	10:10:06	0.011
2/13/2021	10:11:06	0.013
2/13/2021	10:12:06	0.011
2/13/2021	10:13:06	0.01

2/13/2021	10:14:06	0.01
2/13/2021	10:15:06	0.01
2/13/2021	10:16:06	0.011
2/13/2021	10:17:06	0.011
2/13/2021	10:18:06	0.011
2/13/2021	10:19:06	0.012
2/13/2021	10:20:06	0.011
2/13/2021	10:21:06	0.011
2/13/2021	10:22:06	0.011
2/13/2021	10:23:06	0.011
2/13/2021	10:24:06	0.011
2/13/2021	10:25:06	0.011
2/13/2021	10:26:06	0.011
2/13/2021	10:27:06	0.011
2/13/2021	10:28:06	0.012
2/13/2021	10:29:06	0.011
2/13/2021	10:30:06	0.012
2/13/2021	10:31:06	0.012
2/13/2021	10:32:06	0.011
2/13/2021	10:33:06	0.012
2/13/2021	10:34:06	0.012
2/13/2021	10:35:06	0.012
2/13/2021	10:36:06	0.011
2/13/2021	10:37:06	0.012
2/13/2021	10:38:06	0.011
2/13/2021	10:39:06	0.011
2/13/2021	10:40:06	0.011
2/13/2021	10:41:06	0.011
2/13/2021	10:42:06	0.011
2/13/2021	10:43:06	0.011
2/13/2021	10:44:06	0.011
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2/13/2021	10:46:06	0.011
2/13/2021	10:47:06	0.01
2/13/2021	10:48:06	0.011
2/13/2021	10:49:06	0.012
2/13/2021	10:50:06	0.012
2/13/2021	10:51:06	0.012
2/13/2021	10:52:06	0.013
2/13/2021	10:53:06	0.012
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2/13/2021	10:57:06	0.014
2/13/2021	10:58:06	0.015
2/13/2021	10:59:06	0.014
2/13/2021	11:00:06	0.016

2/13/2021	11:01:06	0.015
2/13/2021	11:02:06	0.015
2/13/2021	11:03:06	0.015
2/13/2021	11:04:06	0.015
2/13/2021	11:05:06	0.015
2/13/2021	11:06:06	0.015
2/13/2021	11:07:06	0.015
2/13/2021	11:08:06	0.014
2/13/2021	11:09:06	0.014
2/13/2021	11:10:06	0.014
2/13/2021	11:11:06	0.015
2/13/2021	11:12:06	0.015
2/13/2021	11:13:06	0.015
2/13/2021	11:14:06	0.015
2/13/2021	11:15:06	0.014
2/13/2021	11:16:06	0.014
2/13/2021	11:17:06	0.014
2/13/2021	11:18:06	0.014
2/13/2021	11:19:06	0.014
2/13/2021	11:20:06	0.014
2/13/2021	11:21:06	0.015
2/13/2021	11:22:06	0.014
2/13/2021	11:23:06	0.014
2/13/2021	11:24:06	0.014
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2/13/2021	11:27:06	0.014
2/13/2021	11:28:06	0.014
2/13/2021	11:29:06	0.013
2/13/2021	11:30:06	0.013
2/13/2021	11:31:06	0.014
2/13/2021	11:32:06	0.013
2/13/2021	11:33:06	0.013
2/13/2021	11:34:06	0.014
2/13/2021	11:35:06	0.015
2/13/2021	11:36:06	0.014
2/13/2021	11:37:06	0.014
2/13/2021	11:38:06	0.014
2/13/2021	11:39:06	0.015
2/13/2021	11:40:06	0.014
2/13/2021	11:41:06	0.014
2/13/2021	11:42:06	0.013
2/13/2021	11:43:06	0.014
2/13/2021	11:44:06	0.014
2/13/2021	11:45:06	0.015
2/13/2021	11:46:06	0.014
2/13/2021	11:47:06	0.014

2/13/2021	11:48:06	0.014
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2/13/2021	11:52:06	0.014
2/13/2021	11:53:06	0.015
2/13/2021	11:54:06	0.015
2/13/2021	11:55:06	0.015
2/13/2021	11:56:06	0.015
2/13/2021	11:57:06	0.016
2/13/2021	11:58:06	0.015
2/13/2021	11:59:06	0.015
2/13/2021	12:00:06	0.016
2/13/2021	12:01:06	0.014
2/13/2021	12:02:06	0.015
2/13/2021	12:03:06	0.015
2/13/2021	12:04:06	0.016
2/13/2021	12:05:06	0.016
2/13/2021	12:06:06	0.016
2/13/2021	12:07:06	0.015
2/13/2021	12:08:06	0.015
2/13/2021	12:09:06	0.016
2/13/2021	12:10:06	0.017
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2/13/2021	12:12:06	0.017
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2/13/2021	12:14:06	0.016
2/13/2021	12:15:06	0.014
2/13/2021	12:16:06	0.015
2/13/2021	12:17:06	0.016
2/13/2021	12:18:06	0.015
2/13/2021	12:19:06	0.015
2/13/2021	12:20:06	0.014
2/13/2021	12:21:06	0.014
2/13/2021	12:22:06	0.014
2/13/2021	12:23:06	0.015
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2/13/2021	12:26:06	0.014
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2/13/2021	12:34:06	0.013

2/13/2021	12:35:06	0.013
2/13/2021	12:36:06	0.013
2/13/2021	12:37:06	0.013
2/13/2021	12:38:06	0.012
2/13/2021	12:39:06	0.016
2/13/2021	12:40:06	0.019
2/13/2021	12:41:06	0.018
2/13/2021	12:42:06	0.016
2/13/2021	12:43:06	0.018
2/13/2021	12:44:06	0.015
2/13/2021	12:45:06	0.014
2/13/2021	12:46:06	0.014
2/13/2021	12:47:06	0.014
2/13/2021	12:48:06	0.014
2/13/2021	12:49:06	0.015
2/13/2021	12:50:06	0.014
2/13/2021	12:51:06	0.015
2/13/2021	12:52:06	0.014
2/13/2021	12:53:06	0.013
2/13/2021	12:54:06	0.013
2/13/2021	12:55:06	0.014
2/13/2021	12:56:06	0.013
2/13/2021	12:57:06	0.013
2/13/2021	12:58:06	0.013
2/13/2021	12:59:06	0.013
2/13/2021	13:00:06	0.014
2/13/2021	13:01:06	0.014
2/13/2021	13:02:06	0.013
2/13/2021	13:03:06	0.013
2/13/2021	13:04:06	0.014
2/13/2021	13:05:06	0.013
2/13/2021	13:06:06	0.013
2/13/2021	13:07:06	0.013
2/13/2021	13:08:06	0.015
2/13/2021	13:09:06	0.013
2/13/2021	13:10:06	0.013
2/13/2021	13:11:06	0.013
2/13/2021	13:12:06	0.013
2/13/2021	13:13:06	0.013
2/13/2021	13:14:06	0.014
2/13/2021	13:15:06	0.013
2/13/2021	13:16:06	0.013
2/13/2021	13:17:06	0.014
2/13/2021	13:18:06	0.013
2/13/2021	13:19:06	0.012
2/13/2021	13:20:06	0.013
2/13/2021	13:21:06	0.014

2/13/2021	13:22:06	0.012
2/13/2021	13:23:06	0.012
2/13/2021	13:24:06	0.013
2/13/2021	13:25:06	0.012
2/13/2021	13:26:06	0.012
2/13/2021	13:27:06	0.012
2/13/2021	13:28:06	0.012
2/13/2021	13:29:06	0.012
2/13/2021	13:30:06	0.012
2/13/2021	13:31:06	0.013
2/13/2021	13:32:06	0.012
2/13/2021	13:33:06	0.036
2/13/2021	13:34:06	0.013
2/13/2021	13:35:06	0.013
2/13/2021	13:36:06	0.013
2/13/2021	13:37:06	0.013
2/13/2021	13:38:06	0.013
2/13/2021	13:39:06	0.013
2/13/2021	13:40:06	0.013
2/13/2021	13:41:06	0.013
2/13/2021	13:42:06	0.013
2/13/2021	13:43:06	0.014
2/13/2021	13:44:06	0.014
2/13/2021	13:45:06	0.014
2/13/2021	13:46:06	0.014
2/13/2021	13:47:06	0.015
2/13/2021	13:48:06	0.013
2/13/2021	13:49:06	0.013
2/13/2021	13:50:06	0.013
2/13/2021	13:51:06	0.013
2/13/2021	13:52:06	0.012
2/13/2021	13:53:06	0.014
2/13/2021	13:54:06	0.014
2/13/2021	13:55:06	0.013
2/13/2021	13:56:06	0.013
2/13/2021	13:57:06	0.014
2/13/2021	13:58:06	0.017
2/13/2021	13:59:06	0.016
2/13/2021	14:00:06	0.015
2/13/2021	14:01:06	0.015
2/13/2021	14:02:06	0.015
2/13/2021	14:03:06	0.015
2/13/2021	14:04:06	0.013
2/13/2021	14:05:06	0.014
2/13/2021	14:06:06	0.013
2/13/2021	14:07:06	0.013
2/13/2021	14:08:06	0.013

2/13/2021	14:09:06	0.014
2/13/2021	14:10:06	0.014
2/13/2021	14:11:06	0.014
2/13/2021	14:12:06	0.014
2/13/2021	14:13:06	0.015
2/13/2021	14:14:06	0.014
2/13/2021	14:15:06	0.014
2/13/2021	14:16:06	0.015
2/13/2021	14:17:06	0.015
2/13/2021	14:18:06	0.016
2/13/2021	14:19:06	0.015
2/13/2021	14:20:06	0.016
2/13/2021	14:21:06	0.016
2/13/2021	14:22:06	0.015
2/13/2021	14:23:06	0.015
2/13/2021	14:24:06	0.015
2/13/2021	14:25:06	0.014
2/13/2021	14:26:06	0.014
2/13/2021	14:27:06	0.014
2/13/2021	14:28:06	0.015
2/13/2021	14:29:06	0.015
2/13/2021	14:30:06	0.015
2/13/2021	14:31:06	0.014
2/13/2021	14:32:06	0.015
2/13/2021	14:33:06	0.014
2/13/2021	14:34:06	0.014
2/13/2021	14:35:06	0.014
2/13/2021	14:36:06	0.016
2/13/2021	14:37:06	0.014
2/13/2021	14:38:06	0.015
2/13/2021	14:39:06	0.015
2/13/2021	14:40:06	0.015
2/13/2021	14:41:06	0.016
2/13/2021	14:42:06	0.015
2/13/2021	14:43:06	0.016
2/13/2021	14:44:06	0.016
2/13/2021	14:45:06	0.016
2/13/2021	14:46:06	0.016
2/13/2021	14:47:06	0.017
2/13/2021	14:48:06	0.017
2/13/2021	14:49:06	0.017
2/13/2021	14:50:06	0.016
2/13/2021	14:51:06	0.017
2/13/2021	14:52:06	0.015
2/13/2021	14:53:06	0.015
2/13/2021	14:54:06	0.015
2/13/2021	14:55:06	0.016

2/13/2021	14:56:06	0.016
2/13/2021	14:57:06	0.015
2/13/2021	14:58:06	0.015
2/13/2021	14:59:06	0.015
2/13/2021	15:00:06	0.014
2/13/2021	15:01:06	0.014
2/13/2021	15:02:06	0.014
2/13/2021	15:03:06	0.015
2/13/2021	15:04:06	0.015
2/13/2021	15:05:06	0.015
2/13/2021	15:06:06	0.015
2/13/2021	15:07:06	0.015
2/13/2021	15:08:06	0.015
2/13/2021	15:09:06	0.015
2/13/2021	15:10:06	0.014
2/13/2021	15:11:06	0.015
2/13/2021	15:12:06	0.015
2/13/2021	15:13:06	0.015
2/13/2021	15:14:06	0.015
2/13/2021	15:15:06	0.015
2/13/2021	15:16:06	0.015
2/13/2021	15:17:06	0.015
2/13/2021	15:18:06	0.015
2/13/2021	15:19:06	0.015
2/13/2021	15:20:06	0.014
2/13/2021	15:21:06	0.015
2/13/2021	15:22:06	0.015
2/13/2021	15:23:06	0.015
2/13/2021	15:24:06	0.015
2/13/2021	15:25:06	0.015
2/13/2021	15:26:06	0.015
2/13/2021	15:27:06	0.015
2/13/2021	15:28:06	0.042
2/13/2021	15:29:06	0.021
2/13/2021	15:30:06	0.016
2/13/2021	15:31:06	0.016
2/13/2021	15:32:06	0.016
2/13/2021	15:33:06	0.015
2/13/2021	15:34:06	0.015
2/13/2021	15:35:06	0.015
2/13/2021	15:36:06	0.016
2/13/2021	15:37:06	0.016
2/13/2021	15:38:06	0.016
2/13/2021	15:39:06	0.016
2/13/2021	15:40:06	0.017
2/13/2021	15:41:06	0.016
2/13/2021	15:42:06	0.017

2/13/2021	15:43:06	0.016
2/13/2021	15:44:06	0.017
2/13/2021	15:45:06	0.017
2/13/2021	15:46:06	0.016
2/13/2021	15:47:06	0.016
2/13/2021	15:48:06	0.015
2/13/2021	15:49:06	0.016
2/13/2021	15:50:06	0.016
2/13/2021	15:51:06	0.016
2/13/2021	15:52:06	0.016
2/13/2021	15:53:06	0.016
2/13/2021	15:54:06	0.017
2/13/2021	15:55:06	0.016
2/13/2021	15:56:06	0.016
2/13/2021	15:57:06	0.016
2/13/2021	15:58:06	0.016
2/13/2021	15:59:06	0.016
2/13/2021	16:00:06	0.016
2/13/2021	16:01:06	0.017
2/13/2021	16:02:06	0.017
2/13/2021	16:03:06	0.017
2/13/2021	16:04:06	0.02
2/13/2021	16:05:06	0.018
2/13/2021	16:06:06	0.018
2/13/2021	16:07:06	0.018
2/13/2021	16:08:06	0.016
2/13/2021	16:09:06	0.017
2/13/2021	16:10:06	0.018
2/13/2021	16:11:06	0.017
2/13/2021	16:12:06	0.017
2/13/2021	16:13:06	0.018
2/13/2021	16:14:06	0.016
2/13/2021	16:15:06	0.016
2/13/2021	16:16:06	0.016
2/13/2021	16:17:06	0.016
2/13/2021	16:18:06	0.016
2/13/2021	16:19:06	0.016
2/13/2021	16:20:06	0.017
2/13/2021	16:21:06	0.017
2/13/2021	16:22:06	0.017
2/13/2021	16:23:06	0.017
2/13/2021	16:24:06	0.017
2/13/2021	16:25:06	0.017
2/13/2021	16:26:06	0.017
2/13/2021	16:27:06	0.017
2/13/2021	16:28:06	0.017
2/13/2021	16:29:06	0.017

2/13/2021	16:30:06	0.017
2/13/2021	16:31:06	0.017
2/13/2021	16:32:06	0.018
2/13/2021	16:33:06	0.017
2/13/2021	16:34:06	0.017
2/13/2021	16:35:06	0.017
2/13/2021	16:36:06	0.017
2/13/2021	16:37:06	0.017
2/13/2021	16:38:06	0.019
2/13/2021	16:39:06	0.018
2/13/2021	16:40:06	0.018
2/13/2021	16:41:06	0.019
2/13/2021	16:42:06	0.018
2/13/2021	16:43:06	0.018
2/13/2021	16:44:06	0.018
2/13/2021	16:45:06	0.017
2/13/2021	16:46:06	0.017
2/13/2021	16:47:06	0.018
2/13/2021	16:48:06	0.018
2/13/2021	16:49:06	0.017
2/13/2021	16:50:06	0.017
2/13/2021	16:51:06	0.017
2/13/2021	16:52:06	0.019
2/13/2021	16:53:06	0.017
2/13/2021	16:54:06	0.017
2/13/2021	16:55:06	0.016
2/13/2021	16:56:06	0.017
2/13/2021	16:57:06	0.017
2/13/2021	16:58:06	0.017
2/13/2021	16:59:06	0.017
2/13/2021	17:00:06	0.017
2/13/2021	17:01:06	0.017
2/13/2021	17:02:06	0.019
2/13/2021	17:03:06	0.017
2/13/2021	17:04:06	0.018

Model: DustTrak II
 Model Number: 8530
 Serial Number: 8530114003
 Test ID: 69
 Test Abbreviation: MANUAL_069
 Start Date: 2/13/2021
 Start Time: 8:20:38
 Duration (dd:hh:mm:ss): 0:08:41:00
 Log Interval (mm:ss): 1:00
 Number of points: 521
 Notes:

Statistics Channel: AEROSOL
 Units: mg/m³
 Average: 0.01
 Minimum: 0.005
 Time of Minimum: 9:00:38
 Date of Minimum: 2/13/2021
 Maximum: 0.015
 Time of Maximum: 14:12:38
 Date of Maximum: 2/13/2021

Calibration Sensor: AEROSOL
 Cal. date 12/6/2021

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
2/13/2021	8:21:38	0.007
2/13/2021	8:22:38	0.007
2/13/2021	8:23:38	0.006
2/13/2021	8:24:38	0.007
2/13/2021	8:25:38	0.007
2/13/2021	8:26:38	0.008
2/13/2021	8:27:38	0.008
2/13/2021	8:28:38	0.008
2/13/2021	8:29:38	0.007
2/13/2021	8:30:38	0.007
2/13/2021	8:31:38	0.007
2/13/2021	8:32:38	0.007
2/13/2021	8:33:38	0.007
2/13/2021	8:34:38	0.007
2/13/2021	8:35:38	0.007
2/13/2021	8:36:38	0.006
2/13/2021	8:37:38	0.006
2/13/2021	8:38:38	0.007
2/13/2021	8:39:38	0.007
2/13/2021	8:40:38	0.006

2/13/2021	8:41:38	0.007
2/13/2021	8:42:38	0.007
2/13/2021	8:43:38	0.006
2/13/2021	8:44:38	0.006
2/13/2021	8:45:38	0.006
2/13/2021	8:46:38	0.007
2/13/2021	8:47:38	0.007
2/13/2021	8:48:38	0.007
2/13/2021	8:49:38	0.007
2/13/2021	8:50:38	0.007
2/13/2021	8:51:38	0.007
2/13/2021	8:52:38	0.008
2/13/2021	8:53:38	0.007
2/13/2021	8:54:38	0.007
2/13/2021	8:55:38	0.007
2/13/2021	8:56:38	0.007
2/13/2021	8:57:38	0.006
2/13/2021	8:58:38	0.006
2/13/2021	8:59:38	0.006
2/13/2021	9:00:38	0.005
2/13/2021	9:01:38	0.006
2/13/2021	9:02:38	0.006
2/13/2021	9:03:38	0.007
2/13/2021	9:04:38	0.007
2/13/2021	9:05:38	0.006
2/13/2021	9:06:38	0.007
2/13/2021	9:07:38	0.006
2/13/2021	9:08:38	0.006
2/13/2021	9:09:38	0.006
2/13/2021	9:10:38	0.006
2/13/2021	9:11:38	0.006
2/13/2021	9:12:38	0.006
2/13/2021	9:13:38	0.006
2/13/2021	9:14:38	0.006
2/13/2021	9:15:38	0.007
2/13/2021	9:16:38	0.007
2/13/2021	9:17:38	0.006
2/13/2021	9:18:38	0.006
2/13/2021	9:19:38	0.006
2/13/2021	9:20:38	0.006
2/13/2021	9:21:38	0.007
2/13/2021	9:22:38	0.007
2/13/2021	9:23:38	0.007
2/13/2021	9:24:38	0.007
2/13/2021	9:25:38	0.008
2/13/2021	9:26:38	0.007
2/13/2021	9:27:38	0.007

2/13/2021	9:28:38	0.007
2/13/2021	9:29:38	0.007
2/13/2021	9:30:38	0.007
2/13/2021	9:31:38	0.007
2/13/2021	9:32:38	0.008
2/13/2021	9:33:38	0.007
2/13/2021	9:34:38	0.007
2/13/2021	9:35:38	0.007
2/13/2021	9:36:38	0.007
2/13/2021	9:37:38	0.007
2/13/2021	9:38:38	0.007
2/13/2021	9:39:38	0.007
2/13/2021	9:40:38	0.007
2/13/2021	9:41:38	0.007
2/13/2021	9:42:38	0.007
2/13/2021	9:43:38	0.007
2/13/2021	9:44:38	0.007
2/13/2021	9:45:38	0.007
2/13/2021	9:46:38	0.007
2/13/2021	9:47:38	0.007
2/13/2021	9:48:38	0.007
2/13/2021	9:49:38	0.007
2/13/2021	9:50:38	0.008
2/13/2021	9:51:38	0.008
2/13/2021	9:52:38	0.007
2/13/2021	9:53:38	0.007
2/13/2021	9:54:38	0.008
2/13/2021	9:55:38	0.007
2/13/2021	9:56:38	0.008
2/13/2021	9:57:38	0.007
2/13/2021	9:58:38	0.007
2/13/2021	9:59:38	0.007
2/13/2021	10:00:38	0.007
2/13/2021	10:01:38	0.007
2/13/2021	10:02:38	0.007
2/13/2021	10:03:38	0.007
2/13/2021	10:04:38	0.008
2/13/2021	10:05:38	0.007
2/13/2021	10:06:38	0.008
2/13/2021	10:07:38	0.008
2/13/2021	10:08:38	0.008
2/13/2021	10:09:38	0.008
2/13/2021	10:10:38	0.008
2/13/2021	10:11:38	0.008
2/13/2021	10:12:38	0.008
2/13/2021	10:13:38	0.008
2/13/2021	10:14:38	0.008

2/13/2021	10:15:38	0.008
2/13/2021	10:16:38	0.008
2/13/2021	10:17:38	0.008
2/13/2021	10:18:38	0.008
2/13/2021	10:19:38	0.008
2/13/2021	10:20:38	0.008
2/13/2021	10:21:38	0.008
2/13/2021	10:22:38	0.008
2/13/2021	10:23:38	0.008
2/13/2021	10:24:38	0.008
2/13/2021	10:25:38	0.008
2/13/2021	10:26:38	0.008
2/13/2021	10:27:38	0.008
2/13/2021	10:28:38	0.008
2/13/2021	10:29:38	0.008
2/13/2021	10:30:38	0.008
2/13/2021	10:31:38	0.008
2/13/2021	10:32:38	0.009
2/13/2021	10:33:38	0.009
2/13/2021	10:34:38	0.008
2/13/2021	10:35:38	0.008
2/13/2021	10:36:38	0.008
2/13/2021	10:37:38	0.008
2/13/2021	10:38:38	0.008
2/13/2021	10:39:38	0.008
2/13/2021	10:40:38	0.008
2/13/2021	10:41:38	0.008
2/13/2021	10:42:38	0.008
2/13/2021	10:43:38	0.008
2/13/2021	10:44:38	0.008
2/13/2021	10:45:38	0.008
2/13/2021	10:46:38	0.008
2/13/2021	10:47:38	0.008
2/13/2021	10:48:38	0.009
2/13/2021	10:49:38	0.009
2/13/2021	10:50:38	0.009
2/13/2021	10:51:38	0.009
2/13/2021	10:52:38	0.009
2/13/2021	10:53:38	0.01
2/13/2021	10:54:38	0.01
2/13/2021	10:55:38	0.01
2/13/2021	10:56:38	0.01
2/13/2021	10:57:38	0.01
2/13/2021	10:58:38	0.011
2/13/2021	10:59:38	0.011
2/13/2021	11:00:38	0.011
2/13/2021	11:01:38	0.011

2/13/2021	11:02:38	0.011
2/13/2021	11:03:38	0.01
2/13/2021	11:04:38	0.01
2/13/2021	11:05:38	0.01
2/13/2021	11:06:38	0.01
2/13/2021	11:07:38	0.011
2/13/2021	11:08:38	0.01
2/13/2021	11:09:38	0.01
2/13/2021	11:10:38	0.011
2/13/2021	11:11:38	0.01
2/13/2021	11:12:38	0.011
2/13/2021	11:13:38	0.012
2/13/2021	11:14:38	0.01
2/13/2021	11:15:38	0.01
2/13/2021	11:16:38	0.014
2/13/2021	11:17:38	0.011
2/13/2021	11:18:38	0.011
2/13/2021	11:19:38	0.01
2/13/2021	11:20:38	0.01
2/13/2021	11:21:38	0.01
2/13/2021	11:22:38	0.01
2/13/2021	11:23:38	0.01
2/13/2021	11:24:38	0.01
2/13/2021	11:25:38	0.01
2/13/2021	11:26:38	0.01
2/13/2021	11:27:38	0.01
2/13/2021	11:28:38	0.01
2/13/2021	11:29:38	0.01
2/13/2021	11:30:38	0.01
2/13/2021	11:31:38	0.01
2/13/2021	11:32:38	0.01
2/13/2021	11:33:38	0.01
2/13/2021	11:34:38	0.01
2/13/2021	11:35:38	0.01
2/13/2021	11:36:38	0.01
2/13/2021	11:37:38	0.01
2/13/2021	11:38:38	0.01
2/13/2021	11:39:38	0.01
2/13/2021	11:40:38	0.01
2/13/2021	11:41:38	0.01
2/13/2021	11:42:38	0.01
2/13/2021	11:43:38	0.01
2/13/2021	11:44:38	0.011
2/13/2021	11:45:38	0.01
2/13/2021	11:46:38	0.01
2/13/2021	11:47:38	0.011
2/13/2021	11:48:38	0.011

2/13/2021	11:49:38	0.011
2/13/2021	11:50:38	0.011
2/13/2021	11:51:38	0.01
2/13/2021	11:52:38	0.01
2/13/2021	11:53:38	0.01
2/13/2021	11:54:38	0.01
2/13/2021	11:55:38	0.011
2/13/2021	11:56:38	0.011
2/13/2021	11:57:38	0.011
2/13/2021	11:58:38	0.011
2/13/2021	11:59:38	0.011
2/13/2021	12:00:38	0.011
2/13/2021	12:01:38	0.011
2/13/2021	12:02:38	0.011
2/13/2021	12:03:38	0.011
2/13/2021	12:04:38	0.011
2/13/2021	12:05:38	0.011
2/13/2021	12:06:38	0.011
2/13/2021	12:07:38	0.011
2/13/2021	12:08:38	0.011
2/13/2021	12:09:38	0.012
2/13/2021	12:10:38	0.012
2/13/2021	12:11:38	0.013
2/13/2021	12:12:38	0.014
2/13/2021	12:13:38	0.011
2/13/2021	12:14:38	0.012
2/13/2021	12:15:38	0.013
2/13/2021	12:16:38	0.011
2/13/2021	12:17:38	0.012
2/13/2021	12:18:38	0.011
2/13/2021	12:19:38	0.011
2/13/2021	12:20:38	0.011
2/13/2021	12:21:38	0.011
2/13/2021	12:22:38	0.011
2/13/2021	12:23:38	0.01
2/13/2021	12:24:38	0.011
2/13/2021	12:25:38	0.01
2/13/2021	12:26:38	0.01
2/13/2021	12:27:38	0.01
2/13/2021	12:28:38	0.01
2/13/2021	12:29:38	0.01
2/13/2021	12:30:38	0.011
2/13/2021	12:31:38	0.011
2/13/2021	12:32:38	0.01
2/13/2021	12:33:38	0.009
2/13/2021	12:34:38	0.009
2/13/2021	12:35:38	0.009

2/13/2021	12:36:38	0.009
2/13/2021	12:37:38	0.009
2/13/2021	12:38:38	0.009
2/13/2021	12:39:38	0.011
2/13/2021	12:40:38	0.01
2/13/2021	12:41:38	0.009
2/13/2021	12:42:38	0.01
2/13/2021	12:43:38	0.011
2/13/2021	12:44:38	0.01
2/13/2021	12:45:38	0.01
2/13/2021	12:46:38	0.01
2/13/2021	12:47:38	0.01
2/13/2021	12:48:38	0.01
2/13/2021	12:49:38	0.01
2/13/2021	12:50:38	0.01
2/13/2021	12:51:38	0.01
2/13/2021	12:52:38	0.01
2/13/2021	12:53:38	0.009
2/13/2021	12:54:38	0.009
2/13/2021	12:55:38	0.009
2/13/2021	12:56:38	0.009
2/13/2021	12:57:38	0.009
2/13/2021	12:58:38	0.009
2/13/2021	12:59:38	0.009
2/13/2021	13:00:38	0.009
2/13/2021	13:01:38	0.009
2/13/2021	13:02:38	0.009
2/13/2021	13:03:38	0.009
2/13/2021	13:04:38	0.009
2/13/2021	13:05:38	0.009
2/13/2021	13:06:38	0.009
2/13/2021	13:07:38	0.009
2/13/2021	13:08:38	0.009
2/13/2021	13:09:38	0.009
2/13/2021	13:10:38	0.009
2/13/2021	13:11:38	0.009
2/13/2021	13:12:38	0.009
2/13/2021	13:13:38	0.01
2/13/2021	13:14:38	0.01
2/13/2021	13:15:38	0.01
2/13/2021	13:16:38	0.01
2/13/2021	13:17:38	0.01
2/13/2021	13:18:38	0.009
2/13/2021	13:19:38	0.009
2/13/2021	13:20:38	0.009
2/13/2021	13:21:38	0.009
2/13/2021	13:22:38	0.008

2/13/2021	13:23:38	0.009
2/13/2021	13:24:38	0.008
2/13/2021	13:25:38	0.008
2/13/2021	13:26:38	0.008
2/13/2021	13:27:38	0.009
2/13/2021	13:28:38	0.008
2/13/2021	13:29:38	0.009
2/13/2021	13:30:38	0.009
2/13/2021	13:31:38	0.009
2/13/2021	13:32:38	0.009
2/13/2021	13:33:38	0.009
2/13/2021	13:34:38	0.009
2/13/2021	13:35:38	0.009
2/13/2021	13:36:38	0.009
2/13/2021	13:37:38	0.009
2/13/2021	13:38:38	0.009
2/13/2021	13:39:38	0.009
2/13/2021	13:40:38	0.009
2/13/2021	13:41:38	0.009
2/13/2021	13:42:38	0.009
2/13/2021	13:43:38	0.01
2/13/2021	13:44:38	0.01
2/13/2021	13:45:38	0.009
2/13/2021	13:46:38	0.01
2/13/2021	13:47:38	0.009
2/13/2021	13:48:38	0.009
2/13/2021	13:49:38	0.009
2/13/2021	13:50:38	0.009
2/13/2021	13:51:38	0.009
2/13/2021	13:52:38	0.009
2/13/2021	13:53:38	0.009
2/13/2021	13:54:38	0.009
2/13/2021	13:55:38	0.009
2/13/2021	13:56:38	0.009
2/13/2021	13:57:38	0.01
2/13/2021	13:58:38	0.01
2/13/2021	13:59:38	0.01
2/13/2021	14:00:38	0.01
2/13/2021	14:01:38	0.011
2/13/2021	14:02:38	0.01
2/13/2021	14:03:38	0.01
2/13/2021	14:04:38	0.009
2/13/2021	14:05:38	0.009
2/13/2021	14:06:38	0.009
2/13/2021	14:07:38	0.009
2/13/2021	14:08:38	0.009
2/13/2021	14:09:38	0.009

2/13/2021	14:10:38	0.009
2/13/2021	14:11:38	0.01
2/13/2021	14:12:38	0.015
2/13/2021	14:13:38	0.01
2/13/2021	14:14:38	0.01
2/13/2021	14:15:38	0.01
2/13/2021	14:16:38	0.01
2/13/2021	14:17:38	0.011
2/13/2021	14:18:38	0.011
2/13/2021	14:19:38	0.011
2/13/2021	14:20:38	0.011
2/13/2021	14:21:38	0.011
2/13/2021	14:22:38	0.011
2/13/2021	14:23:38	0.01
2/13/2021	14:24:38	0.01
2/13/2021	14:25:38	0.009
2/13/2021	14:26:38	0.01
2/13/2021	14:27:38	0.01
2/13/2021	14:28:38	0.01
2/13/2021	14:29:38	0.01
2/13/2021	14:30:38	0.01
2/13/2021	14:31:38	0.01
2/13/2021	14:32:38	0.01
2/13/2021	14:33:38	0.01
2/13/2021	14:34:38	0.01
2/13/2021	14:35:38	0.01
2/13/2021	14:36:38	0.01
2/13/2021	14:37:38	0.01
2/13/2021	14:38:38	0.01
2/13/2021	14:39:38	0.011
2/13/2021	14:40:38	0.011
2/13/2021	14:41:38	0.011
2/13/2021	14:42:38	0.011
2/13/2021	14:43:38	0.011
2/13/2021	14:44:38	0.011
2/13/2021	14:45:38	0.011
2/13/2021	14:46:38	0.012
2/13/2021	14:47:38	0.011
2/13/2021	14:48:38	0.012
2/13/2021	14:49:38	0.012
2/13/2021	14:50:38	0.012
2/13/2021	14:51:38	0.011
2/13/2021	14:52:38	0.01
2/13/2021	14:53:38	0.01
2/13/2021	14:54:38	0.011
2/13/2021	14:55:38	0.01
2/13/2021	14:56:38	0.011

2/13/2021	14:57:38	0.01
2/13/2021	14:58:38	0.01
2/13/2021	14:59:38	0.01
2/13/2021	15:00:38	0.01
2/13/2021	15:01:38	0.01
2/13/2021	15:02:38	0.01
2/13/2021	15:03:38	0.01
2/13/2021	15:04:38	0.011
2/13/2021	15:05:38	0.011
2/13/2021	15:06:38	0.01
2/13/2021	15:07:38	0.01
2/13/2021	15:08:38	0.01
2/13/2021	15:09:38	0.01
2/13/2021	15:10:38	0.01
2/13/2021	15:11:38	0.01
2/13/2021	15:12:38	0.01
2/13/2021	15:13:38	0.011
2/13/2021	15:14:38	0.01
2/13/2021	15:15:38	0.011
2/13/2021	15:16:38	0.01
2/13/2021	15:17:38	0.01
2/13/2021	15:18:38	0.01
2/13/2021	15:19:38	0.01
2/13/2021	15:20:38	0.01
2/13/2021	15:21:38	0.01
2/13/2021	15:22:38	0.01
2/13/2021	15:23:38	0.01
2/13/2021	15:24:38	0.01
2/13/2021	15:25:38	0.011
2/13/2021	15:26:38	0.011
2/13/2021	15:27:38	0.01
2/13/2021	15:28:38	0.01
2/13/2021	15:29:38	0.01
2/13/2021	15:30:38	0.01
2/13/2021	15:31:38	0.01
2/13/2021	15:32:38	0.01
2/13/2021	15:33:38	0.011
2/13/2021	15:34:38	0.01
2/13/2021	15:35:38	0.011
2/13/2021	15:36:38	0.011
2/13/2021	15:37:38	0.011
2/13/2021	15:38:38	0.011
2/13/2021	15:39:38	0.011
2/13/2021	15:40:38	0.011
2/13/2021	15:41:38	0.011
2/13/2021	15:42:38	0.011
2/13/2021	15:43:38	0.011

2/13/2021	15:44:38	0.011
2/13/2021	15:45:38	0.011
2/13/2021	15:46:38	0.011
2/13/2021	15:47:38	0.011
2/13/2021	15:48:38	0.011
2/13/2021	15:49:38	0.011
2/13/2021	15:50:38	0.011
2/13/2021	15:51:38	0.011
2/13/2021	15:52:38	0.011
2/13/2021	15:53:38	0.011
2/13/2021	15:54:38	0.011
2/13/2021	15:55:38	0.011
2/13/2021	15:56:38	0.011
2/13/2021	15:57:38	0.011
2/13/2021	15:58:38	0.012
2/13/2021	15:59:38	0.011
2/13/2021	16:00:38	0.011
2/13/2021	16:01:38	0.012
2/13/2021	16:02:38	0.011
2/13/2021	16:03:38	0.011
2/13/2021	16:04:38	0.011
2/13/2021	16:05:38	0.011
2/13/2021	16:06:38	0.011
2/13/2021	16:07:38	0.011
2/13/2021	16:08:38	0.012
2/13/2021	16:09:38	0.011
2/13/2021	16:10:38	0.011
2/13/2021	16:11:38	0.011
2/13/2021	16:12:38	0.011
2/13/2021	16:13:38	0.011
2/13/2021	16:14:38	0.011
2/13/2021	16:15:38	0.011
2/13/2021	16:16:38	0.011
2/13/2021	16:17:38	0.012
2/13/2021	16:18:38	0.012
2/13/2021	16:19:38	0.012
2/13/2021	16:20:38	0.012
2/13/2021	16:21:38	0.012
2/13/2021	16:22:38	0.012
2/13/2021	16:23:38	0.012
2/13/2021	16:24:38	0.012
2/13/2021	16:25:38	0.012
2/13/2021	16:26:38	0.012
2/13/2021	16:27:38	0.012
2/13/2021	16:28:38	0.013
2/13/2021	16:29:38	0.013
2/13/2021	16:30:38	0.012

2/13/2021	16:31:38	0.012
2/13/2021	16:32:38	0.012
2/13/2021	16:33:38	0.012
2/13/2021	16:34:38	0.012
2/13/2021	16:35:38	0.012
2/13/2021	16:36:38	0.012
2/13/2021	16:37:38	0.012
2/13/2021	16:38:38	0.013
2/13/2021	16:39:38	0.013
2/13/2021	16:40:38	0.013
2/13/2021	16:41:38	0.013
2/13/2021	16:42:38	0.013
2/13/2021	16:43:38	0.013
2/13/2021	16:44:38	0.013
2/13/2021	16:45:38	0.013
2/13/2021	16:46:38	0.013
2/13/2021	16:47:38	0.013
2/13/2021	16:48:38	0.013
2/13/2021	16:49:38	0.012
2/13/2021	16:50:38	0.013
2/13/2021	16:51:38	0.013
2/13/2021	16:52:38	0.012
2/13/2021	16:53:38	0.012
2/13/2021	16:54:38	0.012
2/13/2021	16:55:38	0.012
2/13/2021	16:56:38	0.012
2/13/2021	16:57:38	0.012
2/13/2021	16:58:38	0.012
2/13/2021	16:59:38	0.012
2/13/2021	17:00:38	0.012
2/13/2021	17:01:38	0.013

Brooklyn Navy Yard, Building 127 - Water Line Excavation, 2021-06-28

Created	2021-06-28 11:34:00 UTC by Ron Tramposch
Updated	2021-06-28 19:05:12 UTC by Ron Tramposch
Location	40.7001072, -73.9762752

Basic Information

Client	Brooklyn Navy Yard
Project Name	Building 127 - Water Line Excavation
On-Site CORE Representative	Jacob Thomann
CORE Project Manager	Ron Tramposch
General Contractor	Raytone Plumbing
Date	2021-06-28
Arrive On-Site	07:00
Depart Site	15:15

Conditions

Clear, Hot, 75, 7, E, 07:34

Weather	Clear, Hot
Temperature (F)	75
Wind Speed (MPH)	7
Wind Direction	E
Time	07:34

Clear, Hot, 90, 6, E, 12:23

Weather	Clear, Hot
Temperature (F)	90
Wind Speed (MPH)	6
Wind Direction	E
Time	12:23

Material

Asphalt - 6", 36, Square Feet, excavation pit - fourth st, Offsite

Material	Asphalt - 6"
Quantity	36
Unit of Measure	Square Feet
Source	excavation pit - fourth st
Destination	Offsite
Time	10:57

Concrete - 12", 36, Square Feet, Excavation Pit - fourth st, Offsite

Material	Concrete - 12"
Quantity	36
Unit of Measure	Square Feet
Source	Excavation Pit - fourth st
Destination	Offsite

Time	11:00
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Soil, 2, Cubic Yards, poly tarp - 4th street, Onsite

Material	Soil
Quantity	2
Unit of Measure	Cubic Yards
Source	poly tarp - 4th street
Destination	Onsite
Time	11:02

Asphalt - 6", 36, Square Feet, excavation pit - third st, Offsite

Material	Asphalt - 6"
Quantity	36
Unit of Measure	Square Feet
Source	excavation pit - third st
Destination	Offsite
Time	15:02

Concrete - 12", 36, Square Feet, Excavation Pit - third st, Offsite

Material	Concrete - 12"
Quantity	36
Unit of Measure	Square Feet
Source	Excavation Pit - third st
Destination	Offsite
Time	15:03

Soil, 2, Cubic Yards, poly tarp - 3rd street, Onsite

Material	Soil
Quantity	2
Unit of Measure	Cubic Yards
Source	poly tarp - 3rd street
Destination	Onsite
Time	15:03

Check List

Were there any work stoppages?	No
Were air monitors calibrated prior to work?	Yes
Was there any contamination observed?	No
Were any samples collected?	No
Was any soil hauled offsite?	No
Was there any air monitoring exceedances?	No
Was groundwater encountered?	No

Summary Of Work

Recommended to record every 30 minutes - Describe any significant events, accomplishments, materials or equipment on-site, and the number of personnel on site.

07:00, Raytone, Rosario and Jacob on-site. Work begins at Morris Ave and fourth street.

Time	07:00
Description	Raytone, Rosario and Jacob on-site. Work begins at Morris Ave and fourth street.

07:15, Air monitors are setup at upwind and downwind locations. Raytone begins jackhammering pavement.

Time	07:15
Description	Air monitors are setup at upwind and downwind locations. Raytone begins jackhammering pavement.

08:53, Raytone excavate pavement and concrete

Time	08:53
Description	Raytone excavate pavement and concrete

09:43, Raytone excavating soil from work area and staging on soil.

Time	09:43
Description	Raytone excavating soil from work area and staging on soil.

10:28, Raytone continue excavating soil from work area and staging on soil.

Time	10:28
Description	Raytone continue excavating soil from work area and staging on soil.

11:02, Raytone jack hammering at third street. Fourth street excavation is complete. Excavation pit is 6x6' and about 5' deep.

Time	11:02
Description	Raytone jack hammering at third street. Fourth street excavation is complete. Excavation pit is 6x6' and about 5' deep.

12:24, Raytone excavating soil at fourth street pit.

Time	12:24
Description	Raytone excavating soil at fourth street pit.

13:40, Raytone continue excavating soil at fourth street pit.

Time	13:40
Description	Raytone continue excavating soil at fourth street pit.

15:01, Raytone done excavating. All soil remains on site covered.

Time	15:01
Description	Raytone done excavating. All soil remains on site covered.

Photos

Take pictures of the work, site setup, air monitors, soil, samples, etc. Describe each photo.

Raytone using jackhammer on pavement.

Photo



Time

07:42

Description

Raytone using jackhammer on pavement.

Upwind location of air monitor

Photo



Time

07:42

Description

Upwind location of air monitor

Downwind location of air monitor

Photo



Time

07:44

Description

Downwind location of air monitor

Photo of pavement and concrete

Photo



Time

08:54

Description

Photo of pavement and concrete

Soil staging area

Photo



Time

09:44

Description

Soil staging area

Excavation pit

Photo



Time

10:07

Description

Excavation pit

Upwind air monitor

Photo



Time

12:25

Description

Upwind air monitor

Excavation pit

Photo



Time

12:25

Description

Excavation pit

Staging area at fourth street

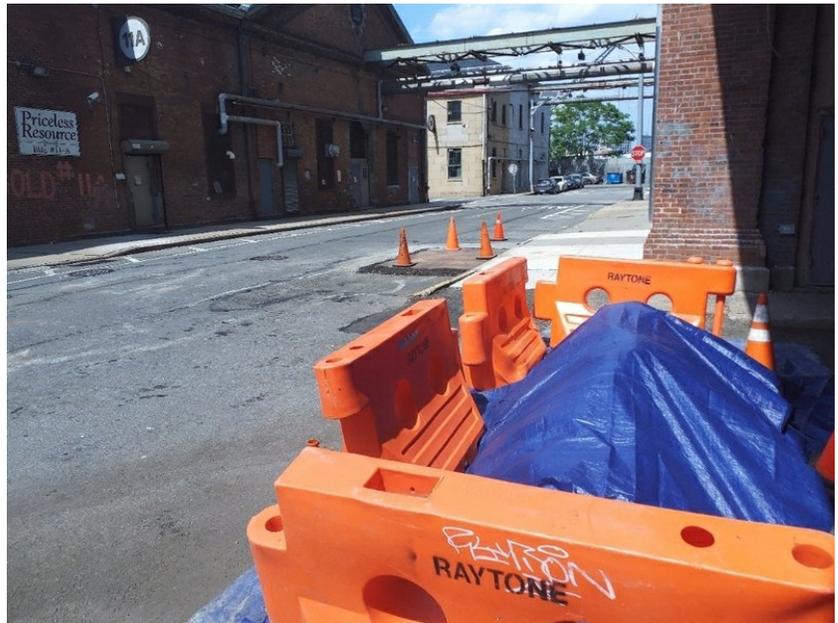
Photo



Time	13:41
Description	Staging area at fourth street

End of work

Photo



Time	15:04
Description	End of work

Periodic Air Monitoring

Periodically record VOCs in important locations e.g. soil and downwind of site. Optionally record particulate monitoring parameters.

VOCs, MiniRAE 2000, Downwind, 09:46, 0

Pollutant	VOCs
Device	MiniRAE 2000

Location	Downwind
Time	09:46
Concentration (ppm)	0

PM-10, Dusttrak Monitor, Downwind, 09:46, 15

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Downwind
Time	09:46
Concentration (ppm)	15

VOCs, MiniRAE 2000, Soil Staging Area, 09:37, 0

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Staging Area
Time	09:37
Concentration (ppm)	0

VOCs, MiniRAE 2000, Soil Staging Area, 12:26, 0

Pollutant	VOCs
Device	MiniRAE 2000
Location	Soil Staging Area
Time	12:26
Concentration (ppm)	0

PM-10, Dusttrak Monitor, Upwind, 13:47, 35

Pollutant	PM-10
Device	Dusttrak Monitor
Location	Upwind
Time	13:47
Concentration (ppm)	35

Project Schedule

Record what the contractor may be doing in the future and any concerns or general comments.

Model: DustTrak II
 Model Number: 8530
 Serial Number: 8530114002
 Test ID: 85
 Test Abbreviation: MANUAL_085
 Start Date: 6/28/2021
 Start Time: 6:22:13
 Duration (dd:hh:mm:ss): 0:07:28:00
 Log Interval (mm:ss): 1:00
 Number of points: 448
 Notes:

Statistics Channel: AEROSOL
 Units: mg/m³
 Average: 0.023
 Minimum: 0.015
 Time of Minimum: 6:27:13
 Date of Minimum: 6/28/2021
 Maximum: 0.238
 Time of Maximum: 10:26:13
 Date of Maximum: 6/28/2021

Calibration Sensor: AEROSOL
 Cal. date: 12/6/2021

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
6/28/2021	6:23:13	0.026
6/28/2021	6:24:13	0.02
6/28/2021	6:25:13	0.048
6/28/2021	6:26:13	0.02
6/28/2021	6:27:13	0.015
6/28/2021	6:28:13	0.016
6/28/2021	6:29:13	0.017
6/28/2021	6:30:13	0.019
6/28/2021	6:31:13	0.016
6/28/2021	6:32:13	0.017
6/28/2021	6:33:13	0.015
6/28/2021	6:34:13	0.017
6/28/2021	6:35:13	0.018
6/28/2021	6:36:13	0.019
6/28/2021	6:37:13	0.016
6/28/2021	6:38:13	0.018
6/28/2021	6:39:13	0.016
6/28/2021	6:40:13	0.016
6/28/2021	6:41:13	0.017
6/28/2021	6:42:13	0.016

6/28/2021	6:43:13	0.021
6/28/2021	6:44:13	0.017
6/28/2021	6:45:13	0.017
6/28/2021	6:46:13	0.017
6/28/2021	6:47:13	0.016
6/28/2021	6:48:13	0.016
6/28/2021	6:49:13	0.016
6/28/2021	6:50:13	0.015
6/28/2021	6:51:13	0.015
6/28/2021	6:52:13	0.016
6/28/2021	6:53:13	0.015
6/28/2021	6:54:13	0.015
6/28/2021	6:55:13	0.019
6/28/2021	6:56:13	0.015
6/28/2021	6:57:13	0.017
6/28/2021	6:58:13	0.018
6/28/2021	6:59:13	0.017
6/28/2021	7:00:13	0.023
6/28/2021	7:01:13	0.016
6/28/2021	7:02:13	0.021
6/28/2021	7:03:13	0.021
6/28/2021	7:04:13	0.031
6/28/2021	7:05:13	0.018
6/28/2021	7:06:13	0.017
6/28/2021	7:07:13	0.046
6/28/2021	7:08:13	0.051
6/28/2021	7:09:13	0.019
6/28/2021	7:10:13	0.019
6/28/2021	7:11:13	0.022
6/28/2021	7:12:13	0.019
6/28/2021	7:13:13	0.018
6/28/2021	7:14:13	0.017
6/28/2021	7:15:13	0.016
6/28/2021	7:16:13	0.015
6/28/2021	7:17:13	0.015
6/28/2021	7:18:13	0.015
6/28/2021	7:19:13	0.019
6/28/2021	7:20:13	0.026
6/28/2021	7:21:13	0.019
6/28/2021	7:22:13	0.017
6/28/2021	7:23:13	0.017
6/28/2021	7:24:13	0.017
6/28/2021	7:25:13	0.017
6/28/2021	7:26:13	0.018
6/28/2021	7:27:13	0.021
6/28/2021	7:28:13	0.029
6/28/2021	7:29:13	0.02

6/28/2021	7:30:13	0.017
6/28/2021	7:31:13	0.02
6/28/2021	7:32:13	0.019
6/28/2021	7:33:13	0.019
6/28/2021	7:34:13	0.023
6/28/2021	7:35:13	0.028
6/28/2021	7:36:13	0.019
6/28/2021	7:37:13	0.022
6/28/2021	7:38:13	0.023
6/28/2021	7:39:13	0.02
6/28/2021	7:40:13	0.029
6/28/2021	7:41:13	0.019
6/28/2021	7:42:13	0.018
6/28/2021	7:43:13	0.017
6/28/2021	7:44:13	0.018
6/28/2021	7:45:13	0.018
6/28/2021	7:46:13	0.017
6/28/2021	7:47:13	0.017
6/28/2021	7:48:13	0.015
6/28/2021	7:49:13	0.019
6/28/2021	7:50:13	0.019
6/28/2021	7:51:13	0.017
6/28/2021	7:52:13	0.015
6/28/2021	7:53:13	0.017
6/28/2021	7:54:13	0.018
6/28/2021	7:55:13	0.017
6/28/2021	7:56:13	0.015
6/28/2021	7:57:13	0.015
6/28/2021	7:58:13	0.015
6/28/2021	7:59:13	0.015
6/28/2021	8:00:13	0.015
6/28/2021	8:01:13	0.016
6/28/2021	8:02:13	0.018
6/28/2021	8:03:13	0.019
6/28/2021	8:04:13	0.016
6/28/2021	8:05:13	0.017
6/28/2021	8:06:13	0.017
6/28/2021	8:07:13	0.016
6/28/2021	8:08:13	0.015
6/28/2021	8:09:13	0.019
6/28/2021	8:10:13	0.022
6/28/2021	8:11:13	0.016
6/28/2021	8:12:13	0.016
6/28/2021	8:13:13	0.016
6/28/2021	8:14:13	0.016
6/28/2021	8:15:13	0.018
6/28/2021	8:16:13	0.017

6/28/2021	8:17:13	0.017
6/28/2021	8:18:13	0.018
6/28/2021	8:19:13	0.016
6/28/2021	8:20:13	0.028
6/28/2021	8:21:13	0.015
6/28/2021	8:22:13	0.016
6/28/2021	8:23:13	0.016
6/28/2021	8:24:13	0.016
6/28/2021	8:25:13	0.017
6/28/2021	8:26:13	0.016
6/28/2021	8:27:13	0.019
6/28/2021	8:28:13	0.018
6/28/2021	8:29:13	0.017
6/28/2021	8:30:13	0.016
6/28/2021	8:31:13	0.015
6/28/2021	8:32:13	0.015
6/28/2021	8:33:13	0.018
6/28/2021	8:34:13	0.018
6/28/2021	8:35:13	0.016
6/28/2021	8:36:13	0.016
6/28/2021	8:37:13	0.016
6/28/2021	8:38:13	0.016
6/28/2021	8:39:13	0.016
6/28/2021	8:40:13	0.016
6/28/2021	8:41:13	0.015
6/28/2021	8:42:13	0.016
6/28/2021	8:43:13	0.015
6/28/2021	8:44:13	0.015
6/28/2021	8:45:13	0.016
6/28/2021	8:46:13	0.017
6/28/2021	8:47:13	0.015
6/28/2021	8:48:13	0.016
6/28/2021	8:49:13	0.016
6/28/2021	8:50:13	0.016
6/28/2021	8:51:13	0.016
6/28/2021	8:52:13	0.015
6/28/2021	8:53:13	0.016
6/28/2021	8:54:13	0.016
6/28/2021	8:55:13	0.016
6/28/2021	8:56:13	0.016
6/28/2021	8:57:13	0.016
6/28/2021	8:58:13	0.016
6/28/2021	8:59:13	0.016
6/28/2021	9:00:13	0.016
6/28/2021	9:01:13	0.016
6/28/2021	9:02:13	0.017
6/28/2021	9:03:13	0.019

6/28/2021	9:04:13	0.022
6/28/2021	9:05:13	0.017
6/28/2021	9:06:13	0.016
6/28/2021	9:07:13	0.016
6/28/2021	9:08:13	0.017
6/28/2021	9:09:13	0.017
6/28/2021	9:10:13	0.017
6/28/2021	9:11:13	0.019
6/28/2021	9:12:13	0.017
6/28/2021	9:13:13	0.017
6/28/2021	9:14:13	0.017
6/28/2021	9:15:13	0.017
6/28/2021	9:16:13	0.016
6/28/2021	9:17:13	0.016
6/28/2021	9:18:13	0.017
6/28/2021	9:19:13	0.017
6/28/2021	9:20:13	0.017
6/28/2021	9:21:13	0.017
6/28/2021	9:22:13	0.016
6/28/2021	9:23:13	0.017
6/28/2021	9:24:13	0.018
6/28/2021	9:25:13	0.018
6/28/2021	9:26:13	0.017
6/28/2021	9:27:13	0.016
6/28/2021	9:28:13	0.015
6/28/2021	9:29:13	0.016
6/28/2021	9:30:13	0.018
6/28/2021	9:31:13	0.018
6/28/2021	9:32:13	0.017
6/28/2021	9:33:13	0.018
6/28/2021	9:34:13	0.017
6/28/2021	9:35:13	0.017
6/28/2021	9:36:13	0.018
6/28/2021	9:37:13	0.017
6/28/2021	9:38:13	0.018
6/28/2021	9:39:13	0.023
6/28/2021	9:40:13	0.02
6/28/2021	9:41:13	0.018
6/28/2021	9:42:13	0.021
6/28/2021	9:43:13	0.017
6/28/2021	9:44:13	0.017
6/28/2021	9:45:13	0.017
6/28/2021	9:46:13	0.016
6/28/2021	9:47:13	0.017
6/28/2021	9:48:13	0.023
6/28/2021	9:49:13	0.018
6/28/2021	9:50:13	0.035

6/28/2021	9:51:13	0.027
6/28/2021	9:52:13	0.018
6/28/2021	9:53:13	0.018
6/28/2021	9:54:13	0.021
6/28/2021	9:55:13	0.022
6/28/2021	9:56:13	0.026
6/28/2021	9:57:13	0.022
6/28/2021	9:58:13	0.029
6/28/2021	9:59:13	0.028
6/28/2021	10:00:13	0.019
6/28/2021	10:01:13	0.019
6/28/2021	10:02:13	0.019
6/28/2021	10:03:13	0.024
6/28/2021	10:04:13	0.021
6/28/2021	10:05:13	0.02
6/28/2021	10:06:13	0.021
6/28/2021	10:07:13	0.042
6/28/2021	10:08:13	0.035
6/28/2021	10:09:13	0.021
6/28/2021	10:10:13	0.027
6/28/2021	10:11:13	0.02
6/28/2021	10:12:13	0.023
6/28/2021	10:13:13	0.052
6/28/2021	10:14:13	0.065
6/28/2021	10:15:13	0.111
6/28/2021	10:16:13	0.095
6/28/2021	10:17:13	0.057
6/28/2021	10:18:13	0.043
6/28/2021	10:19:13	0.022
6/28/2021	10:20:13	0.02
6/28/2021	10:21:13	0.024
6/28/2021	10:22:13	0.026
6/28/2021	10:23:13	0.027
6/28/2021	10:24:13	0.028
6/28/2021	10:25:13	0.039
6/28/2021	10:26:13	0.238
6/28/2021	10:27:13	0.08
6/28/2021	10:28:13	0.023
6/28/2021	10:29:13	0.027
6/28/2021	10:30:13	0.021
6/28/2021	10:31:13	0.021
6/28/2021	10:32:13	0.022
6/28/2021	10:33:13	0.022
6/28/2021	10:34:13	0.02
6/28/2021	10:35:13	0.021
6/28/2021	10:36:13	0.022
6/28/2021	10:37:13	0.022

6/28/2021	10:38:13	0.023
6/28/2021	10:39:13	0.021
6/28/2021	10:40:13	0.021
6/28/2021	10:41:13	0.021
6/28/2021	10:42:13	0.021
6/28/2021	10:43:13	0.021
6/28/2021	10:44:13	0.021
6/28/2021	10:45:13	0.021
6/28/2021	10:46:13	0.021
6/28/2021	10:47:13	0.021
6/28/2021	10:48:13	0.021
6/28/2021	10:49:13	0.021
6/28/2021	10:50:13	0.021
6/28/2021	10:51:13	0.021
6/28/2021	10:52:13	0.02
6/28/2021	10:53:13	0.021
6/28/2021	10:54:13	0.02
6/28/2021	10:55:13	0.021
6/28/2021	10:56:13	0.023
6/28/2021	10:57:13	0.022
6/28/2021	10:58:13	0.023
6/28/2021	10:59:13	0.023
6/28/2021	11:00:13	0.021
6/28/2021	11:01:13	0.024
6/28/2021	11:02:13	0.022
6/28/2021	11:03:13	0.022
6/28/2021	11:04:13	0.021
6/28/2021	11:05:13	0.022
6/28/2021	11:06:13	0.023
6/28/2021	11:07:13	0.022
6/28/2021	11:08:13	0.023
6/28/2021	11:09:13	0.023
6/28/2021	11:10:13	0.022
6/28/2021	11:11:13	0.022
6/28/2021	11:12:13	0.022
6/28/2021	11:13:13	0.024
6/28/2021	11:14:13	0.024
6/28/2021	11:15:13	0.023
6/28/2021	11:16:13	0.023
6/28/2021	11:17:13	0.023
6/28/2021	11:18:13	0.021
6/28/2021	11:19:13	0.022
6/28/2021	11:20:13	0.023
6/28/2021	11:21:13	0.025
6/28/2021	11:22:13	0.024
6/28/2021	11:23:13	0.023
6/28/2021	11:24:13	0.022

6/28/2021	11:25:13	0.023
6/28/2021	11:26:13	0.022
6/28/2021	11:27:13	0.023
6/28/2021	11:28:13	0.023
6/28/2021	11:29:13	0.022
6/28/2021	11:30:13	0.022
6/28/2021	11:31:13	0.023
6/28/2021	11:32:13	0.023
6/28/2021	11:33:13	0.021
6/28/2021	11:34:13	0.021
6/28/2021	11:35:13	0.021
6/28/2021	11:36:13	0.022
6/28/2021	11:37:13	0.021
6/28/2021	11:38:13	0.024
6/28/2021	11:39:13	0.022
6/28/2021	11:40:13	0.022
6/28/2021	11:41:13	0.022
6/28/2021	11:42:13	0.022
6/28/2021	11:43:13	0.022
6/28/2021	11:44:13	0.022
6/28/2021	11:45:13	0.022
6/28/2021	11:46:13	0.022
6/28/2021	11:47:13	0.023
6/28/2021	11:48:13	0.024
6/28/2021	11:49:13	0.026
6/28/2021	11:50:13	0.023
6/28/2021	11:51:13	0.023
6/28/2021	11:52:13	0.022
6/28/2021	11:53:13	0.022
6/28/2021	11:54:13	0.022
6/28/2021	11:55:13	0.022
6/28/2021	11:56:13	0.022
6/28/2021	11:57:13	0.022
6/28/2021	11:58:13	0.022
6/28/2021	11:59:13	0.022
6/28/2021	12:00:13	0.022
6/28/2021	12:01:13	0.023
6/28/2021	12:02:13	0.023
6/28/2021	12:03:13	0.025
6/28/2021	12:04:13	0.023
6/28/2021	12:05:13	0.026
6/28/2021	12:06:13	0.023
6/28/2021	12:07:13	0.025
6/28/2021	12:08:13	0.023
6/28/2021	12:09:13	0.023
6/28/2021	12:10:13	0.024
6/28/2021	12:11:13	0.023

6/28/2021	12:12:13	0.023
6/28/2021	12:13:13	0.023
6/28/2021	12:14:13	0.022
6/28/2021	12:15:13	0.022
6/28/2021	12:16:13	0.022
6/28/2021	12:17:13	0.022
6/28/2021	12:18:13	0.022
6/28/2021	12:19:13	0.023
6/28/2021	12:20:13	0.022
6/28/2021	12:21:13	0.022
6/28/2021	12:22:13	0.026
6/28/2021	12:23:13	0.024
6/28/2021	12:24:13	0.025
6/28/2021	12:25:13	0.027
6/28/2021	12:26:13	0.025
6/28/2021	12:27:13	0.024
6/28/2021	12:28:13	0.026
6/28/2021	12:29:13	0.025
6/28/2021	12:30:13	0.022
6/28/2021	12:31:13	0.022
6/28/2021	12:32:13	0.023
6/28/2021	12:33:13	0.023
6/28/2021	12:34:13	0.024
6/28/2021	12:35:13	0.022
6/28/2021	12:36:13	0.022
6/28/2021	12:37:13	0.022
6/28/2021	12:38:13	0.022
6/28/2021	12:39:13	0.022
6/28/2021	12:40:13	0.024
6/28/2021	12:41:13	0.023
6/28/2021	12:42:13	0.025
6/28/2021	12:43:13	0.024
6/28/2021	12:44:13	0.022
6/28/2021	12:45:13	0.023
6/28/2021	12:46:13	0.023
6/28/2021	12:47:13	0.021
6/28/2021	12:48:13	0.022
6/28/2021	12:49:13	0.022
6/28/2021	12:50:13	0.021
6/28/2021	12:51:13	0.022
6/28/2021	12:52:13	0.023
6/28/2021	12:53:13	0.021
6/28/2021	12:54:13	0.022
6/28/2021	12:55:13	0.021
6/28/2021	12:56:13	0.022
6/28/2021	12:57:13	0.021
6/28/2021	12:58:13	0.021

6/28/2021	12:59:13	0.022
6/28/2021	13:00:13	0.022
6/28/2021	13:01:13	0.025
6/28/2021	13:02:13	0.021
6/28/2021	13:03:13	0.021
6/28/2021	13:04:13	0.021
6/28/2021	13:05:13	0.021
6/28/2021	13:06:13	0.02
6/28/2021	13:07:13	0.021
6/28/2021	13:08:13	0.021
6/28/2021	13:09:13	0.019
6/28/2021	13:10:13	0.021
6/28/2021	13:11:13	0.021
6/28/2021	13:12:13	0.021
6/28/2021	13:13:13	0.02
6/28/2021	13:14:13	0.021
6/28/2021	13:15:13	0.02
6/28/2021	13:16:13	0.02
6/28/2021	13:17:13	0.019
6/28/2021	13:18:13	0.019
6/28/2021	13:19:13	0.02
6/28/2021	13:20:13	0.021
6/28/2021	13:21:13	0.019
6/28/2021	13:22:13	0.02
6/28/2021	13:23:13	0.021
6/28/2021	13:24:13	0.03
6/28/2021	13:25:13	0.032
6/28/2021	13:26:13	0.024
6/28/2021	13:27:13	0.022
6/28/2021	13:28:13	0.02
6/28/2021	13:29:13	0.025
6/28/2021	13:30:13	0.021
6/28/2021	13:31:13	0.036
6/28/2021	13:32:13	0.027
6/28/2021	13:33:13	0.022
6/28/2021	13:34:13	0.02
6/28/2021	13:35:13	0.019
6/28/2021	13:36:13	0.022
6/28/2021	13:37:13	0.021
6/28/2021	13:38:13	0.022
6/28/2021	13:39:13	0.039
6/28/2021	13:40:13	0.081
6/28/2021	13:41:13	0.105
6/28/2021	13:42:13	0.102
6/28/2021	13:43:13	0.079
6/28/2021	13:44:13	0.123
6/28/2021	13:45:13	0.06

6/28/2021	13:46:13	0.036
6/28/2021	13:47:13	0.026
6/28/2021	13:48:13	0.025
6/28/2021	13:49:13	0.023
6/28/2021	13:50:13	0.02

Model: DustTrak II
 Model Number: 8530
 Serial Number: 8530114003
 Test ID: 75
 Test Abbreviation: MANUAL_075
 Start Date: 6/28/2021
 Start Time: 6:15:58
 Duration (dd:hh:mm:ss): 0:07:31:00
 Log Interval (mm:ss): 1:00
 Number of points: 451
 Notes:

Statistics Channel: AEROSOL
 Units: mg/m³
 Average: 0.019
 Minimum: 0.013
 Time of Minimum: 6:55:58
 Date of Minimum: 6/28/2021
 Maximum: 0.05
 Time of Maximum: 7:09:58
 Date of Maximum: 6/28/2021

Calibration Sensor: AEROSOL
 Cal. date 12/6/2021

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
6/28/2021	6:16:58	0.03
6/28/2021	6:17:58	0.016
6/28/2021	6:18:58	0.016
6/28/2021	6:19:58	0.016
6/28/2021	6:20:58	0.016
6/28/2021	6:21:58	0.016
6/28/2021	6:22:58	0.016
6/28/2021	6:23:58	0.016
6/28/2021	6:24:58	0.016
6/28/2021	6:25:58	0.015
6/28/2021	6:26:58	0.015
6/28/2021	6:27:58	0.014
6/28/2021	6:28:58	0.015
6/28/2021	6:29:58	0.014
6/28/2021	6:30:58	0.015
6/28/2021	6:31:58	0.015
6/28/2021	6:32:58	0.014
6/28/2021	6:33:58	0.015
6/28/2021	6:34:58	0.015
6/28/2021	6:35:58	0.015

6/28/2021	6:36:58	0.015
6/28/2021	6:37:58	0.014
6/28/2021	6:38:58	0.014
6/28/2021	6:39:58	0.014
6/28/2021	6:40:58	0.015
6/28/2021	6:41:58	0.016
6/28/2021	6:42:58	0.015
6/28/2021	6:43:58	0.015
6/28/2021	6:44:58	0.015
6/28/2021	6:45:58	0.014
6/28/2021	6:46:58	0.015
6/28/2021	6:47:58	0.014
6/28/2021	6:48:58	0.015
6/28/2021	6:49:58	0.015
6/28/2021	6:50:58	0.014
6/28/2021	6:51:58	0.014
6/28/2021	6:52:58	0.014
6/28/2021	6:53:58	0.014
6/28/2021	6:54:58	0.014
6/28/2021	6:55:58	0.013
6/28/2021	6:56:58	0.014
6/28/2021	6:57:58	0.034
6/28/2021	6:58:58	0.03
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6/28/2021	7:02:58	0.017
6/28/2021	7:03:58	0.016
6/28/2021	7:04:58	0.014
6/28/2021	7:05:58	0.014
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6/28/2021	7:07:58	0.014
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6/28/2021	13:34:58	0.018
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6/28/2021	13:37:58	0.018
6/28/2021	13:38:58	0.017

6/28/2021	13:39:58	0.018
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6/28/2021	13:41:58	0.02
6/28/2021	13:42:58	0.018
6/28/2021	13:43:58	0.018
6/28/2021	13:44:58	0.017
6/28/2021	13:45:58	0.017
6/28/2021	13:46:58	0.018

APPENDIX F

Building 297 Construction Completion Report

DOCUMENT ATTACHED AS SEPARATE FILE

APPENDIX G

Building 77 Mezzanine Slab Remediation CCR

DOCUMENT ATTACHED AS SEPARATE FILE

APPENDIX H

Dock 72 Construction Activity Reports

DOCUMENT ATTACHED AS SEPARATE FILE