LANGAN

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18 June 2024

Michael Haggerty, QEP
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233

Re: Annual Maintenance and Monitoring Report – 2022 and 2023
Former Acme Steel/Metal Works
95 Lombardy Street/46 Anthony Street
Brooklyn, New York
NYSDEC Site No. 224131
Langan Project No.: 170157201

Dear Mr. Haggerty:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Annual Maintenance and Monitoring Report (MMR) on behalf of the Whitehead Company to summarize annual activities from August 2022 through December 2023 for the sub-slab depressurization (SSD) systems at the Former Acme Steel/Metal Works at 95 Lombardy Street/46 Anthony Street in Brooklyn, New York (the "site"). The site is a New York State Department of Environmental Conservation (NYSDEC) Class 2 Inactive Hazardous Waste Disposal Site (IHWDS) and is identified as NYSDEC Site No. 224131.

This annual report, which covers 8 August 2022 through 31 December 2023, includes a site evaluation and a summary of system components, inspections, monitoring results, performance, and compliance with NYSDEC's Division of Environmental Remediation (DER)-31 Green Remediation Policy. Maintenance and monitoring were conducted in accordance with the NYSDEC-approved SSD System Operation, Maintenance, and Monitoring (OM&M) Plan (22 November 2023). At your request, this annual report also includes documentation of maintenance, monitoring, and effluent sampling performed in February and May 2024. The forthcoming Annual MMR for Site 22431, to be issued in early 2025, will also document 2024 activities.

Based on data and observations from the 2022 and 2023 inspections and maintenance performed in 2024, the SSD systems are operating as follows:

- The 60 Anthony Street SSD system was operational during the reporting period (510 days) and is operating as designed. System maintenance performed in May 2024 is detailed in this report.

- On 21 November 2023, Langan observed that the blower at 95 Lombardy Street was unable to operate at full capacity; however, the 95 Lombardy Street target mitigation area was still partially depressurized, as described below. The 95 Lombardy Street system did not operate at full capacity from 21 November 2023 to 5 February 2024 (76 days), when the blower was replaced. System maintenance performed in February 2024 is detailed in this report, and the system is operating as designed.

No design alterations or modifications to the SSD systems are proposed except for the installation of a sample port on the blower discharge stack at 95 Lombardy Street, which was completed on 5 February 2024 per NYSDEC's request.

SITE DESCRIPTION AND BACKGROUND

Site Description

The site occupies about 44,000 square feet at 95 Lombardy Street (Tax Block 2819, Lot 8) and 46-60 Anthony Street (Tax Block 2819, Lot and 11) in the Greenpoint section of Brooklyn, New York. The site is adjoined by Anthony Street to the north, Porter Avenue to the east, Lombardy Street and warehouse buildings to the south, and Vandervoort Avenue to the west. A site location map is provided as Figure 1.

The site contains three two-story brick buildings and one one-story brick building. There are two loading docks on-site: the west loading dock is located about 30 feet east of the western (Vandervoort Avenue) property line, and the east loading dock is located about 100 feet west of the eastern (Porter Avenue) property line. The west loading dock is split by a corrugated metal partition and is used by the tenant (Wise Cabinet & Countertop) that occupies 95 Lombardy Street and the western/lower part of 46-60 Anthony Street. The east loading dock is used by the tenant (Lee's Kitchen Cabinet & Stone Inc.) that occupies the eastern/upper part of 46-60 Anthony Street. Surrounding property uses include numerous industrial and manufacturing facilities, residential neighborhoods, park land, and school facilities.

Background

The site is underlain by the Meeker Avenue Plume Superfund program site (Meeker Avenue Plume Site), which extends across the Greenpoint/East Williamsburg Industrial Area in Brooklyn, previously identified by the NYSDEC as the Meeker Avenue Plume Trackdown Site. The Meeker Avenue Plume Site is located within a region of historical petroleum refining and storage operations, and multiple industrial uses, which occupied a significant part of the Greenpoint neighborhood, straddles the Brooklyn-Queens Expressway, and extends southwest to northeast from Kingsland Avenue to Newtown Creek.

Langan sampled soil, groundwater, and soil vapor during a 2012 remedial investigation (RI), a 2017 supplemental RI, a 2019 quarterly groundwater gauging and sampling event, a 2019 trench drain investigation, a 2020 potential chlorinated volatile organic compound (CVOC) source investigation, and a 2021 supplemental investigation.

Sample results identified low concentrations of CVOCs (including tetrachloroethene [PCE]) in soil, which were two to three orders of magnitude less than the Part 375 Unrestricted Use Soil Cleanup Objectives (UU SCO), except for one sample location. CVOCs were also detected in shallow and deep overburden groundwater at concentrations above the NYSDEC Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGV) for Class GA water.

Sub-slab vapor and indoor air were investigated in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in New York, October 2006, as updated (NYSDOH Guidance). Sample analytical results were compared to the concentration thresholds provided in the NYSDOH Guidance decision matrices. Assessing the detected CVOC concentrations using the NYSDOH Guidance decision matrices yielded the recommendation to mitigate.

In response to the observed CVOC impacts, Langan prepared a Remedial Design Work Plan for On-Site Vapor Mitigation (RDWP) dated 14 January 2022. The scope of the NYSDEC-approved RDWP included the construction and operation of two SSD systems to mitigate soil vapor intrusion (SVI) into parts of the site that are continuously occupied during business hours, including:

- 95 Lombardy Street (improved with two two-story brick buildings, one of which is operated by Wise Cabinet & Countertop):
    - An about 3,000-square-foot portion of the northern two-story brick building is used as a kitchen cabinet and stone countertop office space and showroom, and occupied by workers and customers during business hours
- 60 Anthony Street (improved with one one-story brick building and one two-story brick building, partially operated by Lee's Kitchen Cabinet & Stone Inc.):
    - An about 3,450-square-foot portion of the one-story brick building is used as a kitchen cabinet fabrication and stone countertop office space and showroom, and occupied by workers and customers during business hours
    - An about 1,150-square-foot portion of the two-story brick building is used for marble cutting and occupied by workers during business hours

The layouts of the SSD systems are shown on Figure 2.

SSD SYSTEM MAINTENANCE AND MONITORING

SSD System Description

The SSD systems were installed between May and July 2022 and include two separate SSD system assemblies. The systems include eight depressurization pits and two roof-mounted blowers. The eight SSD pits (ACME-DP-01 through ACME-DP-08) are connected by conveyance

piping to riser pipes, which run through the buildings to roof-mounted blowers (model OBAR GBR76 UD) and exhaust points. The two systems include the following:

- Three depressurization pits (ACME-DP-01 through ACME-DP-03) are located at 95 Lombardy Street, and the associated conveyance piping manifolds together on the roof before connecting to a single roof-mounted blower.

- Five depressurization pits (ACME-DP-04 through ACME-DP-08) are located at 60 Anthony Street, and the associated conveyance piping manifolds together on the roof before connecting to a single roof-mounted blower.

Six vacuum monitoring points were installed throughout the target mitigation areas to monitor the vacuum field generated below the slab, as shown on Figure 2.

SSD System Monitoring and Inspection

Communication and Start-up Monitoring

Langan performed communication tests on 29 July and 8 August 2022 to document depressurization field extension throughout the target mitigation areas after SSD system start-up. Differential pressure measurements were collected using a TSI 9565 air velocity meter at vacuum monitoring points throughout the target mitigation areas (ACME-SSV-01R through ACME-SSV-07). Differential pressure measurements indicated that the slab is depressurized throughout the entire SSD target mitigation areas (i.e., a vacuum was observed at each location).

Langan completed start-up testing and inspected accessible SSD system components on 8 August 2022. The inspection verified that mechanical and electrical connections for the SSD systems were complete and system specifications had been met. A visual inspection was also performed to check for damage and defects. A series of tests were performed to confirm the mechanical and electrical functionality of the SSD systems, and included the following activities:

- While the systems were operating, smoke tubes were used to check for leaks through concrete cracks, floor joints, and at the depressurization points. Identified leaks were properly sealed using hydraulic cement to prevent short-circuiting, as described below.

- The in-line fan malfunction warning devices were tested.

- The vacuum was measured at the sample ports and fans to verify consistency with the design.

Langan introduced smoke around the system pipes and surrounding floor slab to see if there were any openings or cracks where the smoke may be drawn in. Smoke was identified entering through cracks around the depressurization pits, and the discontinuities were sealed using caulk. Additional smoke testing was performed, and preferential migration pathways were no longer identified.

The associated inspection form is included in Attachment A, and the site observation reports documenting the communication test and initial inspection are included in Attachment B.

Monthly Routine System Inspections

The property owner conducted monthly routine inspections from September 2022 through December 2023. During the monthly inspections, the vacuum gauges, alarms, and riser piping were inspected to ensure that the systems were operational and that there was no observed damage.

Before the monthly routine inspection on 1 December 2023, Langan was on site for the annual SSD system performance monitoring inspection on 21 November 2023. During the annual performance monitoring inspection, Langan observed that the blower at 95 Lombardy Street was unable to operate at full capacity, as described further below. The blower at 60 Anthony Street remained operational throughout the reporting period.

Monthly inspections confirmed that the SSD systems were operating effectively per the design, except for December 2023 due to the blower malfunction noted above. Equipment maintenance, repairs, and adjustments were completed during the 2024 reporting period, as described below. Copies of the monthly inspection forms are included in Attachment A.

Annual Inspections

Langan conducted annual SSD system inspections on 1 December 2022 and 21 November 2023. The inspections consisted of:

- Visually inspecting the SSD system components and concrete floor slab;
- Recording differential pressure readings from each vacuum monitoring point;
- Recording vacuum readings at each riser assembly;
- Verifying active operation of the blowers; and
- Verifying the competency of riser pipe couplings and seals.

At the time of the 2023 inspection, only one SSD system (60 Anthony Street) was operating as designed; as described above, the blower at 95 Lombardy Street was not operating at full capacity. The NYSDEC was alerted of the issue via email, and maintenance to the 95 Lombardy Street blower was completed on 5 February 2024 (as documented below).

Due to the blower malfunction, the vacuum at the three 95 Lombardy Street SSD system riser pipes was below the lower limit (1 inch of water column [IWC]) of the vacuum gauge range during the annual inspection on 21 November 2023; therefore, no measurable vacuum was recorded from the risers of depressurization pits ACME-DP-01 through ACME-DP-03 on that date.

The riser pipe vacuum gauges indicated the following vacuums:

Depressurization Pit Riser	Vacuum (IWC)	
	12/1/2022	11/21/2023
ACME-DP-01	-6.0	NM*
ACME-DP-02	-5.1	NM*
ACME-DP-03	-6.0	NM*
ACME-DP-04	-3.2	-3.5
ACME-DP-05	-4.0	-3.5
ACME-DP-06	-4.1	-4.0
ACME-DP-07	-4.0	-4.0
ACME-DP-08	-4.1	-4.5

NM* = Not measurable (i.e., vacuum was below the lower limit of the vacuum gauge range)

The visible riser piping, coupling, and seals for each SSD system were intact, in good condition, and appeared competent. Major cracks or evidence of post-construction soil-intrusive work were not observed during the visual inspections. Surficial cracks in a thin layer of concrete overlaying the slab were observed near vacuum monitoring point ACME-SSV-05; however, these cracks do not penetrate the slab and were patched in 2024, as described below.

The blowers and associated roof discharge points were inspected. The 60 Anthony Street blower appeared to be in good condition, but the 95 Lombardy Street blower was not operating at full capacity at the time of the annual inspection. The SSD systems were expelling air at the discharge points, and no windows or ventilation inlets were observed within 25 feet of the discharge points.

Langan used a TSI 9515 VelociCalc air velocity meter to collect vacuum measurements at the vacuum monitoring points within the target mitigation areas (ACME-SSV-01R through ACME-SSV-07). The vacuum readings are presented in the table below:

Vacuum Monitoring Point	Vacuum (IWC)	
	12/1/2022	11/21/2023
ACME-SSV-01R	-0.025	0.002
ACME-SSV-02R	-0.342	-0.010
ACME-SSV-03R	-0.123	-0.011
ACME-SSV-04	-0.199	-0.216
ACME-SSV-05	-0.017	0.000
ACME-SSV-06	-0.090	-0.079
ACME-SSV-07	-0.115	-0.282

Vacuum measurements indicated that the slab was depressurized in both SSD system target mitigation areas. A differential pressure of 0.002 IWC was recorded at ACME-SSV-01R during the 2023 annual inspection; however, the negative differential pressure readings at ACME-SSV-02R and ACME-SSV-03R demonstrated slab depressurization in the 95 Lombardy Street target mitigation area. Blower repairs and follow-up vacuum monitoring completed for the 95 Lombardy Street system in 2024 are described in the following section.

The operating speed of the blower at 60 Anthony Street was lowered during the annual performance monitoring inspection, to reduce potential stress on the blower while maintaining slab depressurization within the target mitigation area. A differential pressure of 0.000 IWC was recorded at ACME-SSV-05 during the annual inspection; however, the negative differential pressure readings at ACME-SSV-04, ACME-SSV-06, and ACME-SSV-07 demonstrated slab depressurization in the 60 Anthony Street target mitigation area. Follow-up system maintenance performed in 2024 is described in the following section.

Copies of annual inspection forms are included in Attachment A. Site observation reports documenting the annual inspections and non-routine maintenance are included in Attachment B.

SSD System Maintenance

Maintenance to the 95 Lombardy Street SSD system was completed on 5 February 2024. AWT Environmental Services Inc. replaced internal blower parts, installed a condensate bypass fitting to reduce the amount of condensate reaching the blower, and restarted the blower. AWT also installed an effluent sampling port on the discharge stack, as described below. Langan collected confirmatory vacuum measurements on 9 February 2024, as presented in the table below:

Vacuum Monitoring Point	Vacuum (IWC)
	2/9/2024
ACME-SSV-01R	-0.015
ACME-SSV-02R	-0.215
ACME-SSV-03R	-0.053

As of the date of this report, the 95 Lombardy Street SSD system is operating as designed and the target mitigation area is depressurized.

Maintenance for the 60 Anthony Street SSD system was performed on 17 May 2024. AWT repaired the SSD system blower, adjusted the pitch of roof-mounted SSD system piping, and replaced damaged piping insulation. On 20 May 2024, Langan increased the operating speed of the blower and sealed the surficial cracks surrounding vacuum monitoring point SSV-05 with concrete patch as a precautionary measure. Langan then collected confirmatory vacuum readings, as presented in the table below:

Vacuum Monitoring Point	Vacuum (IWC)
	5/20/2024
ACME-SSV-04	-0.672
ACME-SSV-05	-0.016
ACME-SSV-06	-0.125
ACME-SSV-07	-0.347

As of the date of this report, the 60 Anthony Street SSD system is operating as designed and the target mitigation area is depressurized. Site observation reports documenting maintenance and follow-up monitoring are included in Attachment B.

SSD System Effluent Vapor Sampling

Sample Port Installation and Sample Collection

Pursuant to the OM&M Plan, AWT installed sample ports on the SSD blower discharge stacks as follows:

- The 60 Anthony Street sample port was installed during the reporting period, on 27 November 2023
- The 95 Lombardy Street sample port was installed on 5 February 2024

On 5 February 2024, Langan collected effluent vapor samples from the sample ports into 6-liter Summa canisters that were batch-certified clean by York Analytical Laboratories (York), a NYSDOH Environmental Laboratory Approval Program-certified analytical laboratory. Effluent vapor samples were submitted to York for volatile organic compound (VOC) analysis by USEPA Method TO-15.

Flow was measured at each fan's discharge stack at the time of sampling using an air velocity meter. The observed flow rates were 299 cfm (60 Anthony Street) and 267 cfm (95 Lombardy Street). Daily reports summarizing sample port installation and effluent vapor sampling are included in Attachment B.

Analytical Results and Calculated Emission Rates

Total VOC, PCE, and trichloroethene (TCE) emission rates for the SSD systems are included in the table below, as calculated by converting laboratory-reported concentrations to mass loading rates using the flow rate observed at the time of sampling on 5 February 2024.

SSD System Fan	Total VOC		PCE		TCE	
	Concentration (micrograms per cubic meter [µg/m^3])	Emission Rate (pounds/ hour)	Concentration (µg/m^3)	Emission Rate (pounds/ hour)	Concentration (µg/m^3)	Emission Rate (pounds/ hour)
95 Lombardy Street	739.36	0.00074	400	0.00040	290	0.00029
60 Anthony Street	208.7	0.00023	160	0.00018	2.6	0.000003

The calculated emission rates for both SSD systems demonstrate substantive compliance with DAR-1 and the NYSDEC Emissions Guidance. A summary of the effluent vapor sample analytical results is presented in Table 1, and the laboratory report is provided as Attachment C.

SSD System Performance Summary and Site Evaluation

Based on data and observations from the 2022 and 2023, inspections and maintenance performed in 2024, the SSD systems are operating as follows:

- The 60 Anthony Street SSD system was operational during the reporting period (510 days) and is operating as designed. System maintenance performed in May 2024 is detailed above.

- On 21 November 2023, Langan observed that the blower at 95 Lombardy Street was unable to operate at full capacity; however, the 95 Lombardy Street target mitigation area was still partially depressurized. The 95 Lombardy Street system did not operate at full capacity from 21 November 2023 to 5 February 2024 (76 days), when the blower was replaced. System maintenance performed in February 2024 is detailed above, and the system is operating as designed.

No design alterations or modifications to the SSD systems are proposed except for the installation of a sample port on the blower discharge stack at 95 Lombardy Street, which was completed on 5 February 2024 per NYSDEC request.

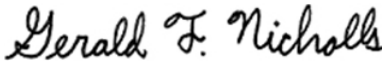
DER-31 EVALUATION

The NYSDEC DER-31 Green Remediation Policy requires that green remediation concepts and techniques be considered during all stages of the remedial program, including site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. A discussion and evaluation of environmental impacts associated with OM&M activities during the 2022 and 2023 reporting period and a summary of green remediation goals for the 2024 reporting period are included as Attachment D.

CLOSING

Based on field inspection observations and data, and maintenance performed in 2024, the SSD systems are effectively operating per design. SSD system operation and monthly SSD system inspections will continue per the OM&M Plan, and the next SSD system annual inspection will be in the fourth quarter of 2024. Please let us know by phone (646-593-0849) or email (pfarnham@langan.com) if you have any questions.

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



Gerald F. Nicholls, P.E., CHMM
Associate Principal

Patrick Farnham, P.E.
Senior Project Manager

Enclosure(s): Figure 1 – Site Location Map
Figure 2 – SSD System Layout Map

Table 1 – SSD System Effluent Vapor Sample Analytical Results

Attachment A – Site Inspection Forms
Attachment B – Site Observation Reports
Attachment C – Laboratory Report
Attachment D – DER-31 Evaluation

cc: H. Dudek, M. Murphy (NYSDEC)
S. McLaughlin, S. Surani, J. Nealon, S. Bogardus (NYSDOH)
J. Teich, Michael Teich, Marc Teich (Whitehead Company)
C. Leas (Sive, Paget & Riesel, P.C.)
M. Burke, S. Simpson (Langan)

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FIGURES

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

1000 0 500 1000

SCALE: 1 INCH = 1000 FEET

NOTE:
1. BASEMAP ADAPTED FROM UNITED STATES GEOLOGICAL SURVEY (USGS) 7.5-MINUTE SERIES TOPOGRAPHICAL MAPS, BROOKLYN, NEW YORK, QUADRANGLE, DATED 2019.

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

Project
FORMER ACME STEEL/ METAL WORKS
NYSDEC SITE NO. 224131
95 LOMBARDY STREET/
46 ANTHONY STREET
BROOKLYN NEW YORK

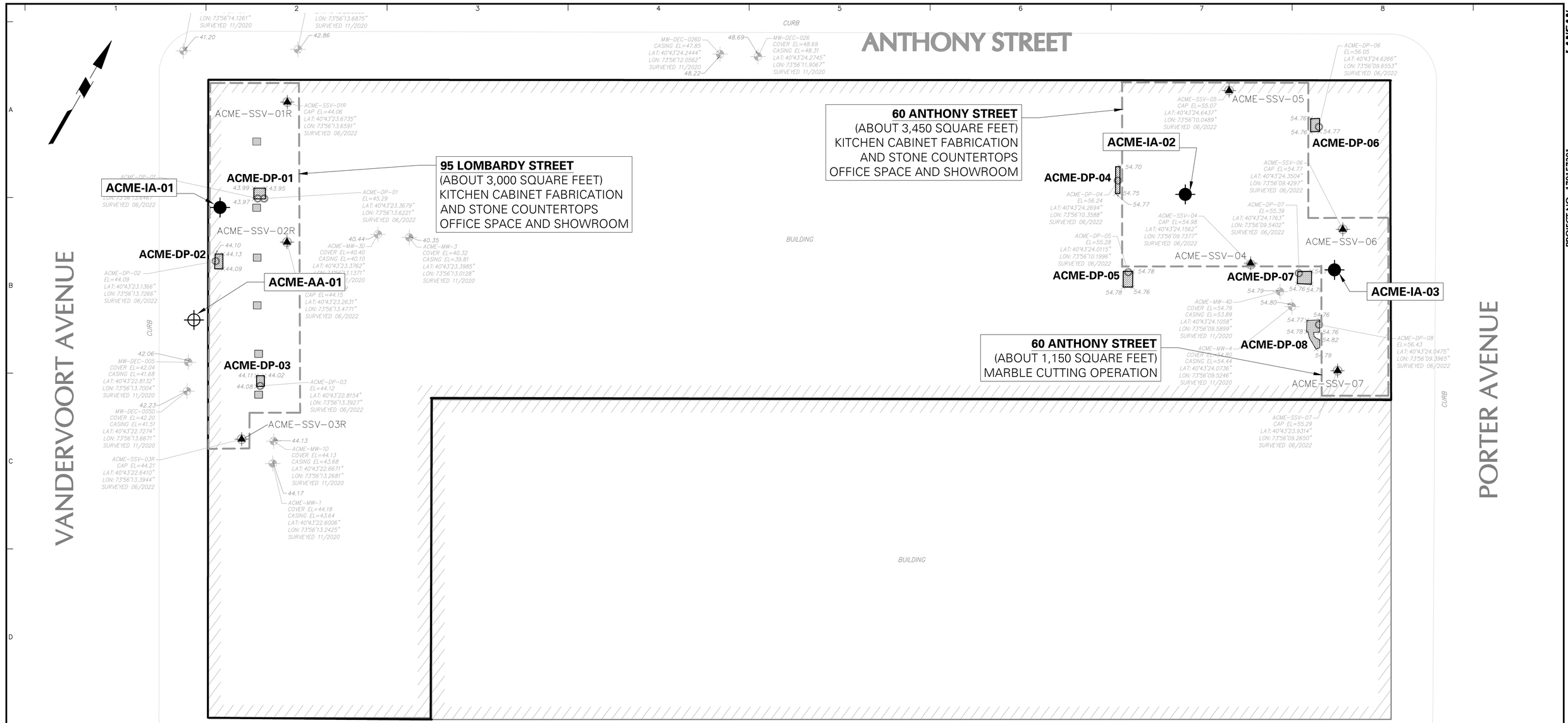
Figure Title
SITE LOCATION MAP

Project No.	170157201
Date	06/01/2021
Drawn By	MA
Checked By	KN

Figure No. 1

Sheet 1 of 2

Filename: \\langan.com\data\NYC\data2\170157201\Cadd Data - 170157201\SheetFiles\Site 224131\SSDS Work Plan\Figure 1 - Site Location Map.dwg Date: 7/8/2021 Time: 16:59 User: jcambeiro Style Table: Langan.stb Layout: Site Location Map



LEGEND:

- SITE BOUNDARY
- TARGET MITIGATION AREAS
- ACME-DP-01 — DEPRESSURIZATION PIT AND ROOF PENETRATION
- VAPOR COLLECTION PIPE TO RISER PIPE CONNECTION
- ACME-SSV-07 — VACUUM MONITORING POINT
- BUILDING COLUMN
- INDOOR AIR SAMPLE LOCATION
- AMBIENT AIR SAMPLE LOCATION

SCALE IN FEET: 15 0 7.5 15

DATE	Description	No.
REVISIONS		

NOTES:

1. BASE MAP SOURCE: SURVEY TAKEN FROM "ENVIRONMENTAL FEATURE LOCATIONS PLAN" BY LANGAN, DATED NOVEMBER 2020.
2. SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM COMPONENTS WERE SURVEYED BY LANGAN ON JUNE 23 AND 24, 2022.
3. DRAWING SHALL NOT BE USED FOR STRUCTURAL, ARCHITECTURAL, UTILITY, OR OTHER REFERENCE EXCEPT FOR THE SSD SYSTEM.
4. CRACKS, VOIDS, AND PENETRATIONS IN THE BUILDING SLAB WERE SEALED WITH A POLYURETHANE-BASED CAULK.
5. SUB-GRADE VAPOR COLLECTION PIPES, FITTINGS, AND CONNECTIONS WERE CONSTRUCTED WITH SOLID 4-INCH-DIAMETER SCHEDULE 80 POLYVINYL CHLORIDE PIPING.
6. RISER PIPES, FITTINGS, AND CONNECTIONS WERE CONSTRUCTED WITH 4-INCH-DIAMETER CAST-IRON.
7. RISER PIPES EXTEND TO THE BLOWERS WITH MINMAL CHANGES IN DIRECTION. HORIZONTAL PIPE RUNS MAINTAIN A MINIMUM SLOPE OF ½ INCHES PER LINEAR FOOT, SLOPING BACK TOWARDS THE DEPRESSURIZATION PIT.
8. RISER PIPE PENETRATIONS THROUGH THE SLAB WERE SEALED WITH A POLYURETHANE-BASED CAULK.
9. CAST-IRON RISER PIPES WERE ROUTED VERTICALLY TO ROOF-MOUNTED BLOWERS FROM DEPRESSURIZATION PITS THROUGH FIRST FLOOR SPACES THROUGH THE CEILING/ROOF, EXCEPT FOR ACME-DP-03 - PENETRATION REQUIRED FROM FIRST FLOOR SHOWROOM, THROUGH CEILING INTO SECOND FLOOR OFFICE SPACE, THROUGH CEILING/ROOF.
10. WALL AND CEILING PENETRATIONS WERE COMPLETED AND RESTORED IN ACCORDANCE WITH NYC BUILDING CODE.
11. RISER PIPES ARE CLEARLY LABELED "VAPOR MITIGATION SYSTEM VENTILATION PIPING" IN EACH ACCESSIBLE AREA (A MINIMUM OF EVERY 10 LINEAR FEET OF RISER PIPE RUN).
12. SYSTEM INSTALLATION ADHERES TO UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) GUIDANCE INCLUDING USEPA/600/R-08-115 OCTOBER 2008 INDOOR AIR VAPOR INTRUSION MITIGATION APPROACHES; EPA/625/R-93/011 OCTOBER 1993 TECHNICAL GUIDANCE FOR ACTIVE SOIL DEPRESSURIZATION SYSTEMS; EPA/625/R-92/016 - JUNE 1994 RADON PREVENTION IN THE DESIGN AND CONSTRUCTION OF SCHOOLS AND OTHER LARGE BUILDINGS; THE GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK (2006), WITH UPDATES, PREPARED BY THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH); AND THE 2014 NEW YORK CITY MECHANICAL CODE, CHAPTER 5, SECTION MC 512-SUB-SLAB SOIL EXHAUST SYSTEMS.
13. INDOOR AND AMBIENT AIR SAMPLING WAS CONDUCTED ON SEPTEMBER 7, 2022 AND DECEMBER 19, 2022. ACME-IA-01 THROUGH ACME-IA-03 AND ACME-AA-01 WERE SAMPLED IN SEPTEMBER, 2022. ACME-IA-01 AND ACME-AA-01 WERE RE-SAMPLED IN DECEMBER 2022. SAMPLING LOCATIONS ARE APPROXIMATE BASED ON FIELD MEASUREMENTS.

STATE OF NEW YORK — GERALD T. NICHOLLS — 092433 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE — 11/27/2023 DATE SIGNED

GERALD NICHOLLS
PROFESSIONAL ENGINEER NY Lic. No. 092433

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

Project
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NYSDEC SITE NO. 224131
95 LOMBARDY STREET/
46 ANTHONY STREET
BROOKLYN NEW YORK

Figure Title
AS-BUILT SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT

Project No.	170157201
Date	8/02/2022
Drawn By	RL
Checked By	PTF

Figure No. 2

Figure 2 of 4

LANGAN
PROJECT NO. 170157201

Filename: \\langan.com\data\NYC\data2\170157201\Cadd Data - 170157201\SheetFiles\Site 224131\CCR\Figure 3 - SSDS Layout.dwg Date: 5/15/2023 Time: 14:14 User: cgrattan Style Table: Langan.stb Layout: SSDS Layout

TABLE

Table 1
Annual Maintenance and Monitoring Report - 2024
SSD System Effluent Vapor Sample Analytical Results

95 Lombardy Street/46 Anthony Street
Brooklyn, New York
NYSDEC Site No.: 224131
Langan Project No.: 170157201

Analyte	CAS Number	Location	SSD_60A	SSD_95L
		Sample Name	SSD_60A_020524	SSD_95L_020524
		Sample Date	02/05/2024	02/05/2024
		Unit	Result	Result
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3	<1 U	<1.2 U
1,1,1-Trichloroethane	71-55-6	ug/m3	1.5 D	6.2 D
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	<1 U	<1.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/m3	<1.2 U	<1.3 U
1,1,2-Trichloroethane	79-00-5	ug/m3	<0.82 U	<0.93 U
1,1-Dichloroethane	75-34-3	ug/m3	<0.61 U	<0.69 U
1,1-Dichloroethene	75-35-4	ug/m3	<0.15 U	<0.17 U
1,2,4-Trichlorobenzene	120-82-1	ug/m3	<1.1 U	<1.3 U
1,2,4-Trimethylbenzene	95-63-6	ug/m3	2 D	<0.84 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/m3	<1.2 U	<1.3 U
1,2-Dichlorobenzene	95-50-1	ug/m3	<0.91 U	<1 U
1,2-Dichloroethane	107-06-2	ug/m3	<0.61 U	<0.69 U
1,2-Dichloropropane	78-87-5	ug/m3	<0.7 U	<0.79 U
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3	<1.1 U	<1.2 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/m3	<0.74 U	<0.84 U
1,3-Butadiene	106-99-0	ug/m3	<1 U	<1.1 U
1,3-Dichlorobenzene	541-73-1	ug/m3	<0.91 U	<1 U
1,3-Dichloropropane	142-28-9	ug/m3	<0.7 U	<0.79 U
1,4-Dichlorobenzene	106-46-7	ug/m3	<0.91 U	<1 U
1,4-Dioxane (P-Dioxane)	123-91-1	ug/m3	<1.1 U	<1.2 U
2-Hexanone (MBK)	591-78-6	ug/m3	<1.2 U	<1.4 U
4-Ethyltoluene	622-96-8	ug/m3	<0.74 U	<0.84 U
Acetone	67-64-1	ug/m3	5.9 D	17 D
Acrylonitrile	107-13-1	ug/m3	3.2 D	0.48 D
Allyl Chloride (3-Chloropropene)	107-05-1	ug/m3	<2.4 U	<2.7 U
Benzene	71-43-2	ug/m3	3.5 D	0.76 D
Benzyl Chloride	100-44-7	ug/m3	<0.78 U	<0.88 U
Bromodichloromethane	75-27-4	ug/m3	<1 U	<1.1 U
Bromoethene	593-60-2	ug/m3	<0.66 U	<0.75 U
Bromoform	75-25-2	ug/m3	<1.6 U	<1.8 U
Bromomethane	74-83-9	ug/m3	<0.59 U	<0.66 U
Carbon Disulfide	75-15-0	ug/m3	<0.47 U	<0.53 U
Carbon Tetrachloride	56-23-5	ug/m3	0.47 D	0.43 D
Chlorobenzene	108-90-7	ug/m3	<0.69 U	<0.78 U
Chloroethane	75-00-3	ug/m3	<0.4 U	<0.45 U
Chloroform	67-66-3	ug/m3	<0.74 U	1.8 D
Chloromethane	74-87-3	ug/m3	2.3 D	1.9 D
Cis-1,2-Dichloroethene	156-59-2	ug/m3	<0.15 U	1.6 D
Cis-1,3-Dichloropropene	10061-01-5	ug/m3	<0.68 U	<0.77 U
Cyclohexane	110-82-7	ug/m3	<0.52 U	<0.59 U
Dibromochloromethane	124-48-1	ug/m3	<1.3 U	<1.5 U
Dichlorodifluoromethane	75-71-8	ug/m3	3.5 D	3.8 D
Ethyl Acetate	141-78-6	ug/m3	<1.1 U	<1.2 U
Ethylbenzene	100-41-4	ug/m3	0.98 D	0.89 D
Hexachlorobutadiene	87-68-3	ug/m3	<1.6 U	<1.8 U
Isopropanol	67-63-0	ug/m3	2 BD	<2.1 U
M,P-Xylene	179601-23-1	ug/m3	2.2 D	3.6 D
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/m3	1.7 D	2.2 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/m3	<0.62 U	<0.7 U
Methyl Methacrylate	80-62-6	ug/m3	<0.62 U	<0.7 U
Methylene Chloride	75-09-2	ug/m3	<1 U	<1.2 U
n-Heptane	142-82-5	ug/m3	<0.62 U	<0.7 U
n-Hexane	110-54-3	ug/m3	0.53 D	<0.6 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/m3	0.92 D	1.4 D
Propylene	115-07-1	ug/m3	2.4 D	<0.29 U
Styrene	100-42-5	ug/m3	7.6 D	1.2 D
Tert-Butyl Methyl Ether	1634-04-4	ug/m3	<0.54 U	<0.61 U
Tetrachloroethene (PCE)	127-18-4	ug/m3	160 D	400 D
Tetrahydrofuran	109-99-9	ug/m3	<0.89 U	1.3 D
Toluene	108-88-3	ug/m3	3.9 D	3.3 D
Trans-1,2-Dichloroethene	156-60-5	ug/m3	<0.6 U	<0.68 U
Trans-1,3-Dichloropropene	10061-02-6	ug/m3	<0.68 U	<0.77 U
Trichloroethene (TCE)	79-01-6	ug/m3	2.6 D	290 D
Trichlorofluoromethane	75-69-4	ug/m3	1.5 D	1.5 D
Vinyl Acetate	108-05-4	ug/m3	<0.53 U	<0.6 U
Vinyl Chloride	75-01-4	ug/m3	<0.19 U	<0.22 U
Total VOCs	TOTALVOCS	ug/m3	208.7	739.36

Table 1
Annual Maintenance and Monitoring Report - 2024
SSD System Effluent Vapor Sample Analytical Results

95 Lombardy Street/46 Anthony Street
Brooklyn, New York
NYSDEC Site No.: 224131
Langan Project No.: 170157201

Notes:

CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Qualifiers:

D - The concentration reported is a result of a diluted sample.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

B - The analyte was found in the associated analysis batch blank.

ATTACHMENT A
INSPECTION FORMS

SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM INSPECTION CHECKLIST

Site Name: Former Acme Steel/Metal Works Location: 95 Lombardy Street, Brooklyn, NY

Project Number: 170157201 Date: 07/29/2022 Weather: Partly cloudy 78-92 ° F, Wind : SW 8mph

Inspector Name: Roswell Lo Reason for Inspection: Start-up Inspection

		Y	N	NA	Remarks
	Records				
1	Is the Operations & Maintenance Plan readily available on-site?		X		Pending NYSDEC Approval
2	Based on site records, when was the last inspection, maintenance, or repair event?			X	
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? If yes, provide duration and details.			X	
	Alarm System				
4	Do the alarm lights indicate that the system is operational?	X			
	General System				
5	Is there any construction activity since the last event that included the breaching of the floor slab, on-site at the time of this inspection?			X	
6	If YES to Number 5, is there documentation that the HASP for the site was/is being followed?			X	
7	If YES to Number 5, is there documentation that all breaches in the floor slab have been sealed?			X	
8	Does all visible SSD system piping appear intact and undamaged?	X			
9	Have any intake points been constructed at the roof near (less than 10 feet) the SSD system in-line fan discharge points?		X		
	SSD System In-Line Fan Units				
10	Is the SSD system operational at the time of the inspection?	X			
11	What is the system flow prior to the fan (scfm)?			X	ACME-DP-01: 8.5 scfm, ACME-DP-02: 49.36 scfm, ACME-DP-03: 5.06 scfm
12	What is the sytem vaccuum prior to the fan (IWC)?			X	ACME-DP-01: 6 IWC, ACME-DP-02: 5.4 IWC, ACME-DP-03: 6.2 IWC
13	Are the SSD system in-line fans expelling air at the discharge point?	X			

SSD System Components

- Rain guards on vent pipe exhausts
- Riser pipes labeled
- Sample ports on risers
- Vacuum gauges on the risers
- Alarm system present and properly labeled

Additional Remarks / Items to be addressed:

SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM INSPECTION CHECKLIST

Site Name: Former Acme Steel/Metal Works Location: 60 Anthony Street, Brooklyn, NY

Project Number: 170157201 Date: 08/08/2022 Weather: Partly cloudy 78-92 ° F, Wind : SW 8mph

Inspector Name: Audrey Seery Reason for Inspection: Start-up Inspection

		Y	N	NA	Remarks
	Records				
1	Is the Operations & Maintenance Plan readily available on-site?		X		Pending NYSDEC Approval
2	Based on site records, when was the last inspection, maintenance, or repair event?			X	
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? If yes, provide duration and details.			X	
	Alarm System				
4	Do the alarm lights indicate that the system is operational?	X			
	General System				
5	Is there any construction activity since the last event that included the breaching of the floor slab, on-site at the time of this inspection?			X	
6	If YES to Number 5, is there documentation that the HASP for the site was/is being followed?			X	
7	If YES to Number 5, is there documentation that all breaches in the floor slab have been sealed?			X	
8	Does all visible SSD system piping appear intact and undamaged?	X			
9	Have any intake points been constructed at the roof near (less than 10 feet) the SSD system in-line fan discharge points?		X		
	SSD System In-Line Fan Units				
10	Is the SSD system operational at the time of the inspection?	X			
11	What is the system flow prior to the fan (scfm)?			X	ACME-DP-04: 28.88 scfm, ACME-DP-05: 5.94 scfm, ACME-DP-06: 6.58 scfm, ACME-DP-07: 11.74 scfm, ACME-DP-08: 14.72 scfm
12	What is the sytem vaccuum prior to the fan (IWC)?			X	ACME-DP-04: 4.8 IWC, ACME-DP-05: 5 IWC, ACME-DP-06: 5 IWC, ACME-DP-07: 5 IWC, ACME-DP-08: 5 IWC
13	Are the SSD system in-line fans expelling air at the discharge point?	X			

SSD System Components

- Rain guards on vent pipe exhausts
- Riser pipes labeled
- Sample ports on risers
- Vacuum gauges on the risers
- Alarm system present and properly labeled

Additional Remarks / Items to be addressed:

Sub-Slab Depressurization System Startup Inspection
Differential Pressure Measurements

95 Lombardy St / 60 Anthony St.,
Brooklyn, NY
Langan Project No. 170157201
NYSDEC Site No. 224131

SSD Pressure Field Testing - Vacuum Monitoring Points			
Location	**Vacuum (inH2O)**	**Smoke Entering (Y/N)**	**Notes/Observations**
ACME-SSV-01R	-0.053	N	
ACME-SSV-02R	-0.288	N	
ACME-SSV-03R	-0.155	N	
ACME-SSV-04	-0.802	N	
ACME-SSV-05	-0.016	N	Loose port, measurement retaken after port reinstalled on 8/8/22
ACME-SSV-06	-0.121	N	
ACME-SSV-07	-0.454	N	

SSD Pressure Field Testing - Depressurization Pit Risers				
Location	**Vacuum (inH20)**	**Flow (CFM)**	**Smoke Entering (Y/N)**	**Notes/Observations**
ACME-DP-01	6.0	8.5	N	Smoke initially infiltrated at the edges of newly placed concrete. Edges were sealed and each location passed the leak test on 7/29/22.
ACME-DP-02	5.4	49.36	N	
ACME-DP-03	6.2	5.06	N	
ACME-DP-04	4.8	28.88	N	Smoke initially infiltrated at the edges of newly placed concrete. Edges were sealed and each location passed the leak test on 8/8/22.
ACME-DP-05	5	5.94	N	
ACME-DP-06	5	6.58	N	
ACME-DP-07	5	11. 74	N	
ACME-DP-08	5	14.72	N	

Notes:
1. SSD = Sub-slab Depressurization
2. CFM = cubic feet per minute
2. inH20 = inches of water column

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

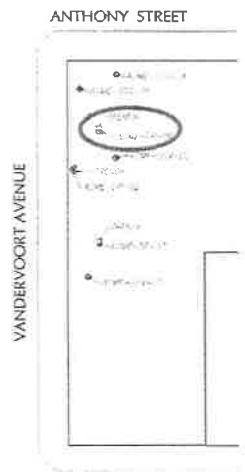
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 9-1-2022

Site Map



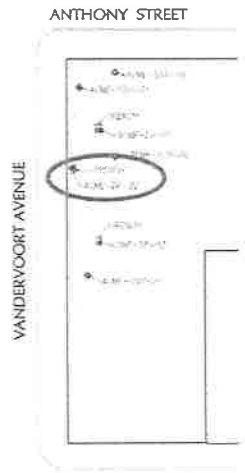
Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

Site Map



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Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 9-1-2022

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

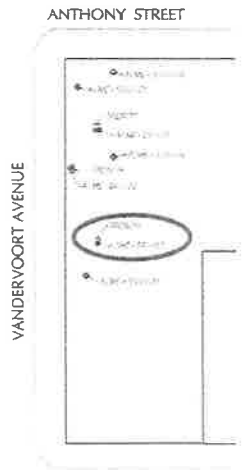
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 9-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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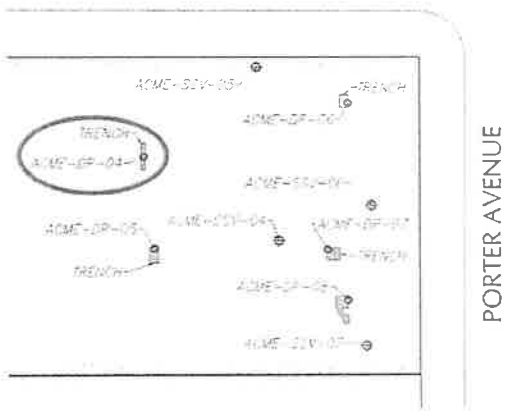
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 9-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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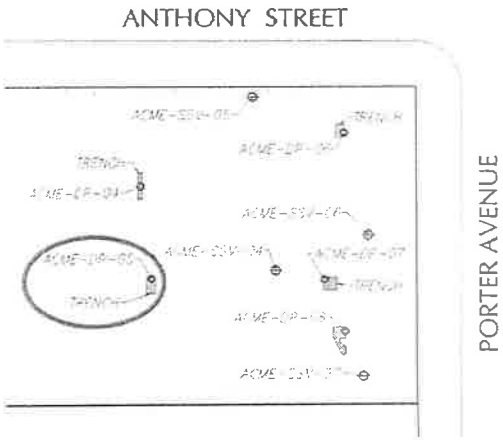
Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 9-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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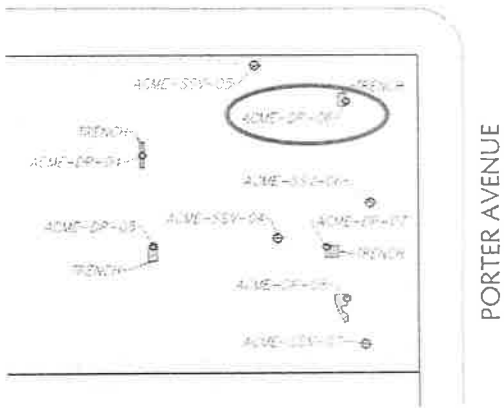
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 9-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

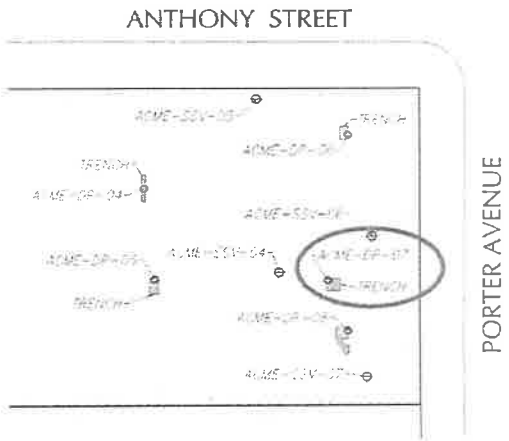
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 9-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

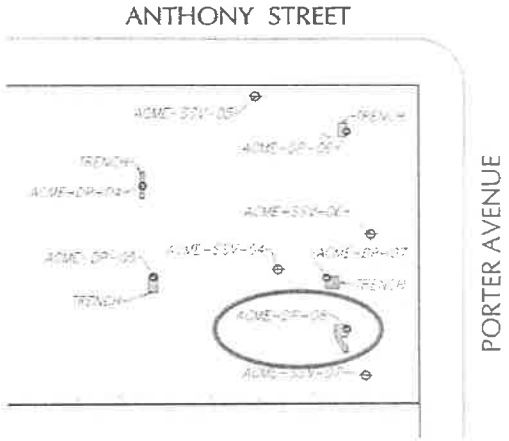
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 9-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

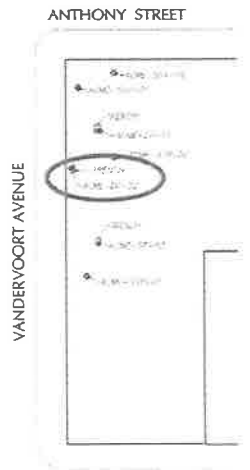
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 10-3-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

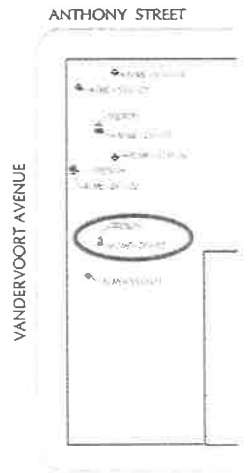
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 10-3-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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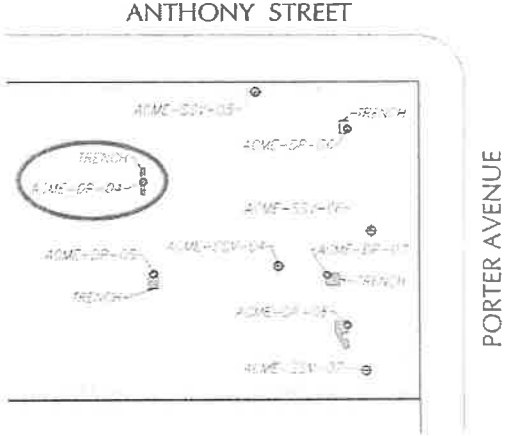
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 10-3-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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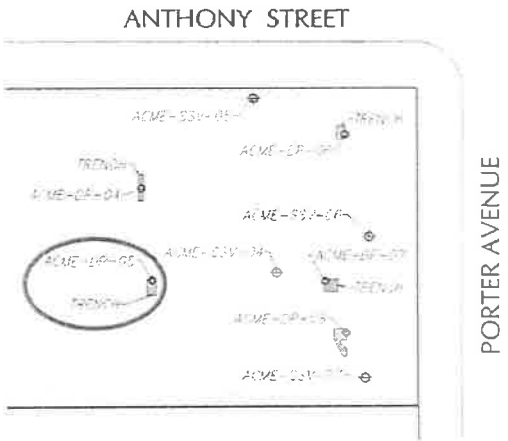
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 10-3-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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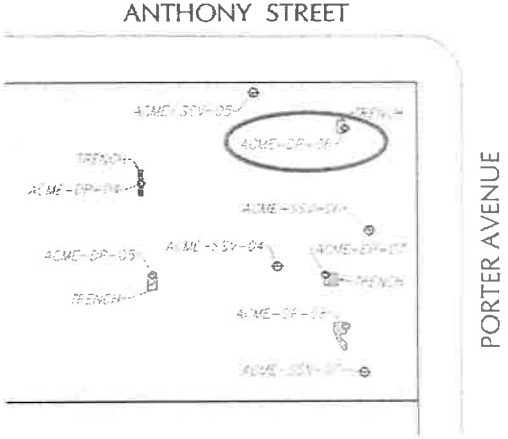
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 10-3-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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Phone Number: 212-479-5578

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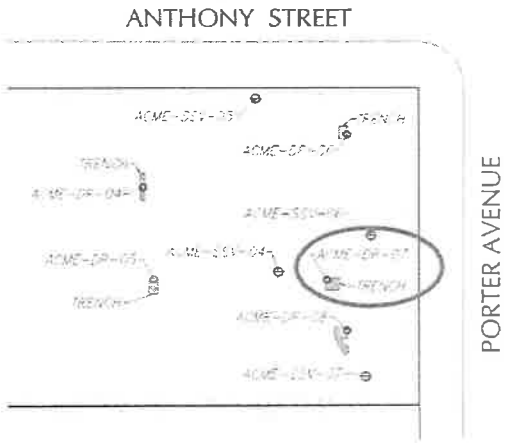
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 10-3-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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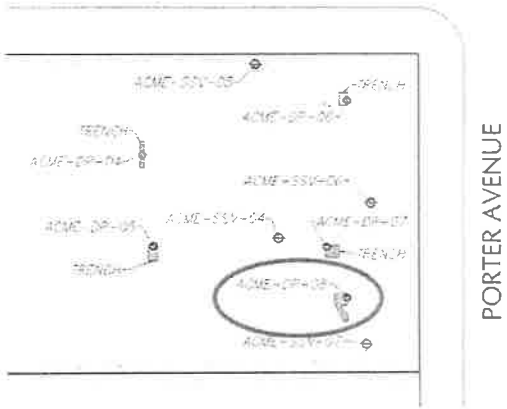
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 10-3-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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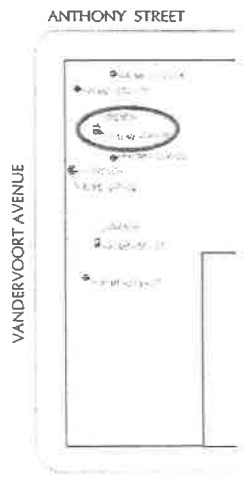
Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 10-3-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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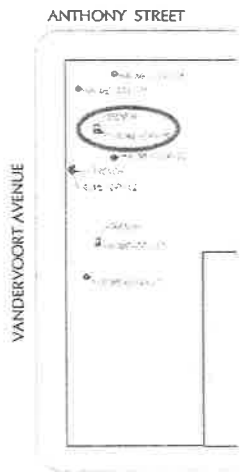

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Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 11-1-2022

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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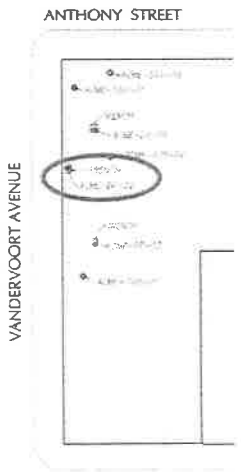
Name of Person Performing Inspection: PAUL BURGYN

Signature of Person Performing Inspection: Paul Burgyn

Date of Inspection: 11-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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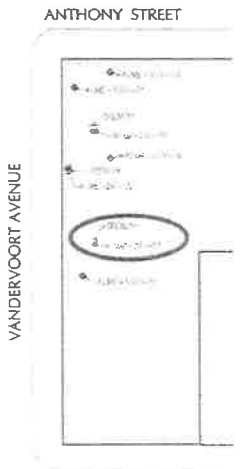
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 11-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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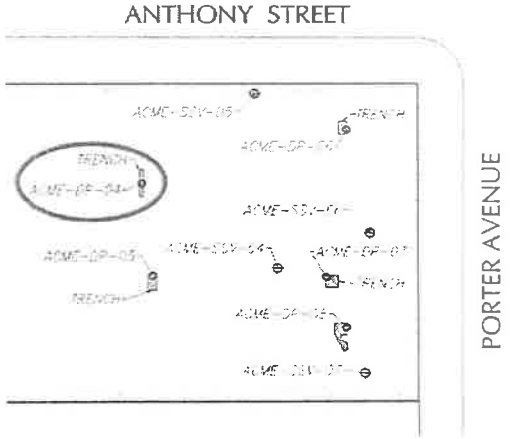
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 11-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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Signature of Person Performing Inspection: Paul Burdyn

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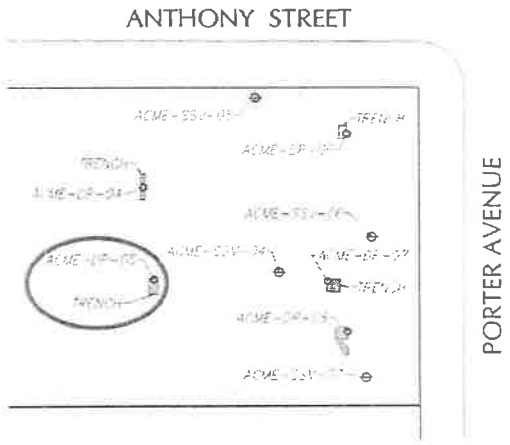
Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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Date of Inspection: 11-1-2022

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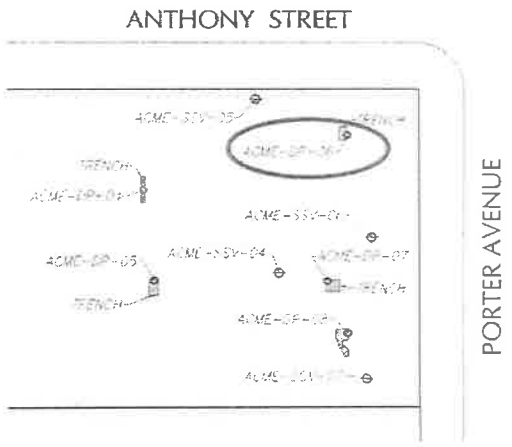

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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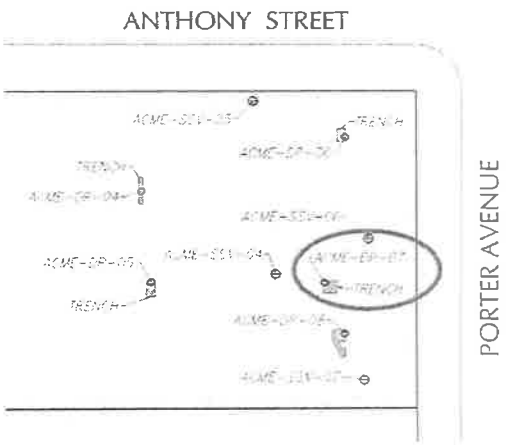

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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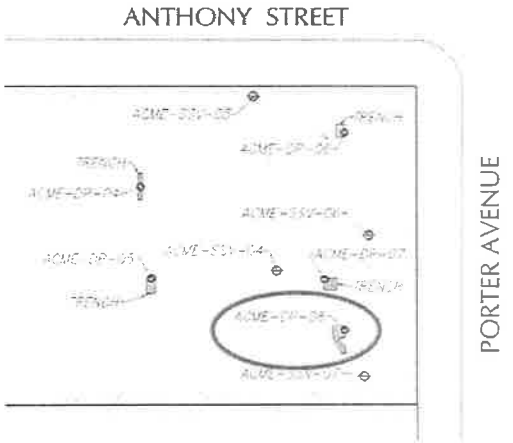

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
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Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
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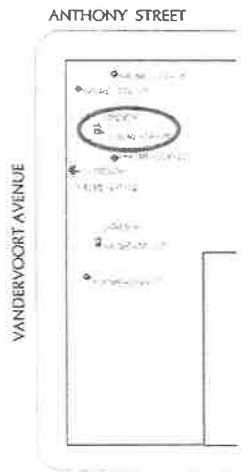
Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 12-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

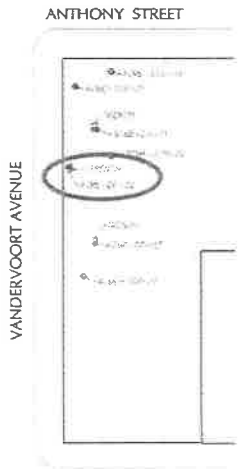
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 12-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

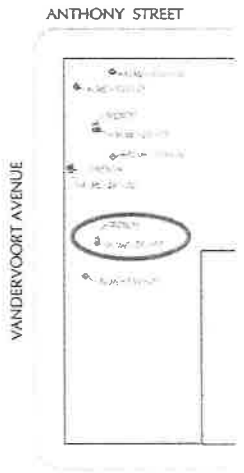
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 12-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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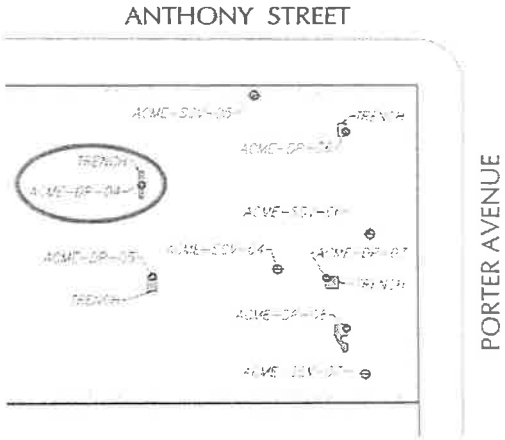
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 11-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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Phone Number: 212-479-5578

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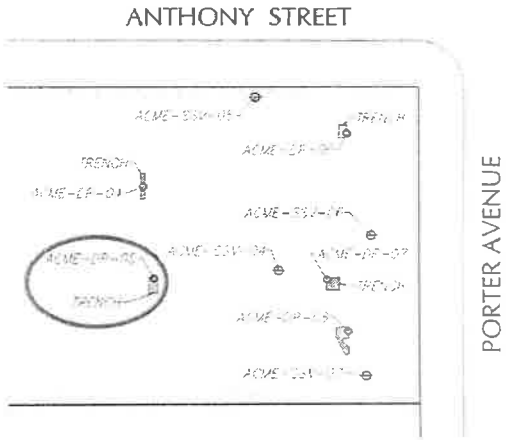
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 12-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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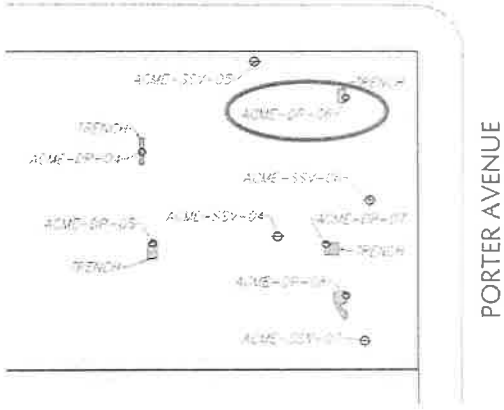
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burdn

Date of Inspection: 12-1-2022

Site Map

ANTHONY STREET



PORTER AVENUE

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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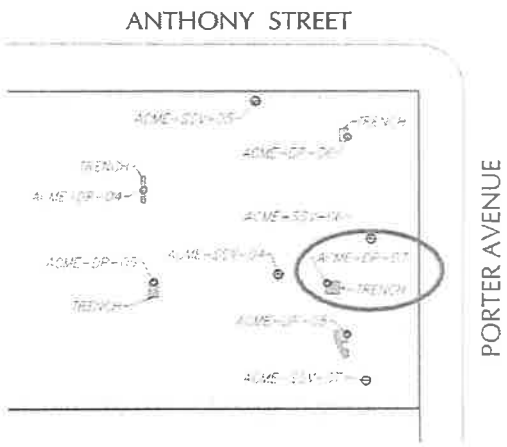
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 12-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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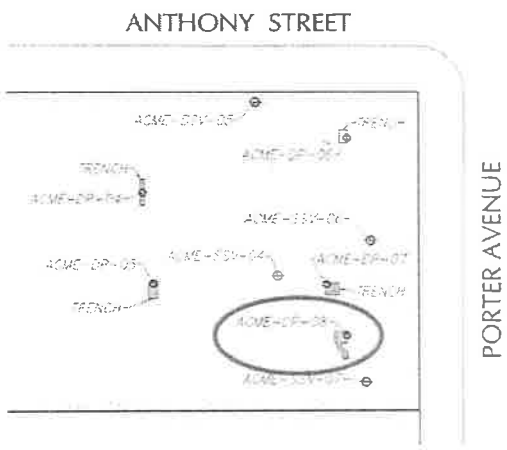
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 12-1-2022

Site Map



Sub-Slab Depressurization System Annual Inspection
Differential Pressure Measurements

95 Lombardy St / 60 Anthony St.,
Brooklyn, NY
Langan Project No. 170157201
NYSDEC Site No. 224131

SSD Pressure Field Testing - Vacuum Monitoring Points		
Location	**Vacuum (inH2O)**	**Notes/Observations**
ACME-SSV-01R	0.025	N/A
ACME-SSV-02R	0.342	
ACME-SSV-03R	0.123	
ACME-SSV-04	0.199	
ACME-SSV-05	0.017	
ACME-SSV-06	0.090	
ACME-SSV-07	0.115	

SSD Pressure Field Testing - Depressurization Pit Risers			
Location	**Vacuum (inH20)**	**Flow (CFM)**	**Notes/Observations**
ACME-DP-01	6.0	17.99	N/A
ACME-DP-02	5.1	170.55	
ACME-DP-03	6	30.02	
ACME-DP-04	3.2	83.79	
ACME-DP-05	4	58.64	
ACME-DP-06	4.1	30.41	
ACME-DP-07	4	39.29	
ACME-DP-08	4.1	33.8	

Notes:
1. SSD = Sub-slab Depressurization
2. CFM = cubic feet per minute
3. inH20 = inches of water column
4. N/A = Not Applicable

SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM INSPECTION CHECKLIST

Site Name: Former Acme Steel/Metal Works Location: 95 Lombardy Street, Brooklyn, NY

Project Number: 170157201 Date: 12/1/2022 Weather: Sunny, 30s

Inspector Name: Liz McConnell

Reason for Inspection (i.e., routine, severe condition, etc.):
Routine - annual

		Y	N	NA	Remarks
	Records				
1	Is the Operations & Maintenance Plan readily available on-site?	X			
2	Based on site records, when was the last inspection, maintenance, or repair event?			X	9/7/22 - post-mitigation indoor air sampling
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? If yes, provide duration and details.		X		
	Alarm System				
4	Do the alarm lights indicate that the system is operational?	X			
	General System				
5	Is there any construction activity since the last event that included the breaching of the floor slab, on-site at the time of this inspection?		X		
6	If YES to Number 5, is there documentation that the HASP for the site was/is being followed?			X	
7	If YES to Number 5, is there documentation that all breaches in the floor slab have been sealed?			X	
8	Does all visible SSD system piping appear intact and undamaged?	X			
9	Have any intake points been constructed at the roof near (less than 10 feet) the SSD system in-line fan discharge points?		X		
	SSD System In-Line Fan Units				
10	Is the SSD system operational at the time of the inspection?	X			
11	What is the system flow prior to the fan (CFM)?			X	ACME-DP-01: 17.99 CFM, ACME-DP-02: 170.55 CFM, ACME-DP-03: 30.02 CFM
12	What is the sytem vaccuum prior to the fan (in. WC)?			X	ACME-DP-01: 6 IWC, ACME-DP-02: 5.1 IWC, ACME-DP-03: 6 IWC
13	Are the SSD system in-line fans expelling air at the discharge point?	X			

SSD System Components

- Rain guards on vent pipe exhausts
- Riser pipes labeled
- Sample ports on risers
- Vacuum gauges on the risers
- Alarm system present and properly labeled

Notes

1. CFM - cubic feet per minute
2. in. WC = inches of water column
3. SSD = Sub-slab depressurization
4. HASP = Health and Safety Plan

Additional Remarks / Items to be addressed:

SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM INSPECTION CHECKLIST

Site Name: Former Acme Steel/Metal Works Location: 60 Anthony Street, Brooklyn, NY

Project Number: 170157201 Date: 12/1/2022 Weather: Sunny, 30s

Inspector Name: Liz McConnell Reason for Inspection (i.e., routine, severe condition, etc.): Routine - annual

		Y	N	NA	Remarks
	Records				
1	Is the Operations & Maintenance Plan readily available on-site?	X			
2	Based on site records, when was the last inspection, maintenance, or repair event?			X	9/7/22 - post-mitigation indoor air sampling
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? If yes, provide duration and details.		X		
	Alarm System				
4	Do the alarm lights indicate that the system is operational?	X			
	General System				
5	Is there any construction activity since the last event that included the breaching of the floor slab, on-site at the time of this inspection?		X		
6	If YES to Number 5, is there documentation that the HASP for the site was/is being followed?			X	
7	If YES to Number 5, is there documentation that all breaches in the floor slab have been sealed?			X	
8	Does all visible SSD system piping appear intact and undamaged?	X			
9	Have any intake points been constructed at the roof near (less than 10 feet) the SSD system in-line fan discharge points?		X		
	SSD System In-Line Fan Units				
10	Is the SSD system operational at the time of the inspection?	X			
11	What is the system flow prior to the fan (scfm)?			X	ACME-DP-04: 83.79 CFM, ACME-DP-05: 58.64 CFM, ACME-DP-06: 30.41 CFM, ACME-DP-07: 39.29 CFM, ACME-DP-08: 33.8 CFM
12	What is the sytem vaccuum prior to the fan (in. WC)?			X	ACME-DP-04: 3.2 IWC, ACME-DP-05: 4 IWC, ACME-DP-06: 4.1 IWC, ACME-DP-07: 4 IWC, ACME-DP-08: 4.1 IWC
13	Are the SSD system in-line fans expelling air at the discharge point?	X			

SSD System Components

- Rain guards on vent pipe exhausts
- Riser pipes labeled
- Sample ports on risers
- Vacuum gauges on the risers
- Alarm system present and properly labeled

Notes

1. CFM - cubic feet per minute
2. in. WC = inches of water column
3. SSD = Sub-slab depressurization
4. HASP = Health and Safety Plan

Additional Remarks / Items to be addressed:

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

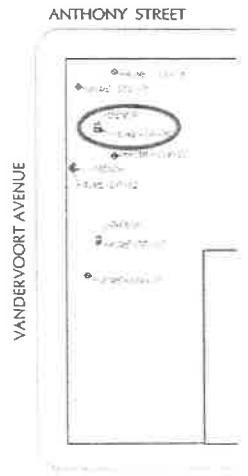
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 11-2-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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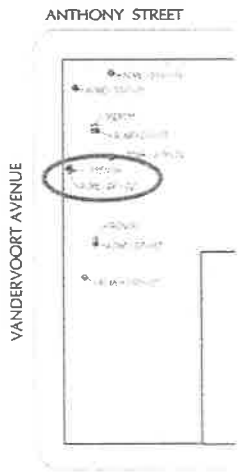
Name of Person Performing Inspection: PAUL BURGYN

Signature of Person Performing Inspection: Paul Burgyn

Date of Inspection: 1-2-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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Phone Number: 212-479-5578

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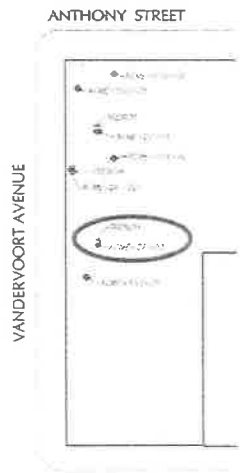
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 12-2-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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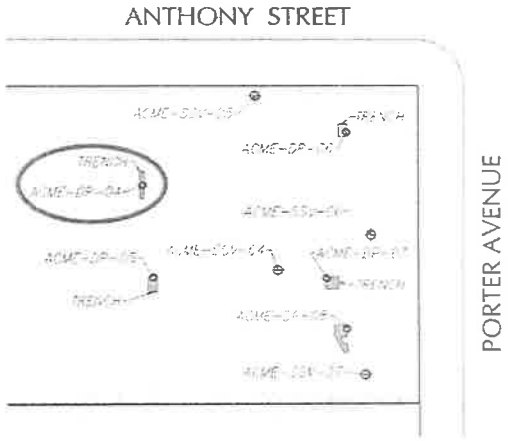
Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 11-2-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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Phone Number: 212-479-5578

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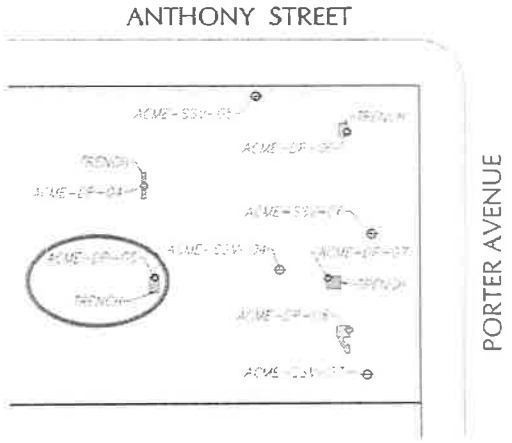
Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 12-2-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
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Phone Number: 212-479-5578

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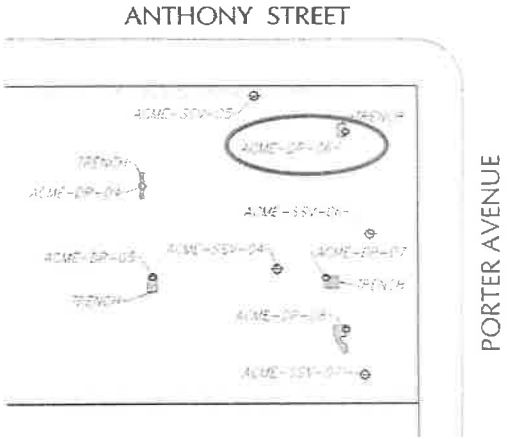
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burdn

Date of Inspection: 12-2-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

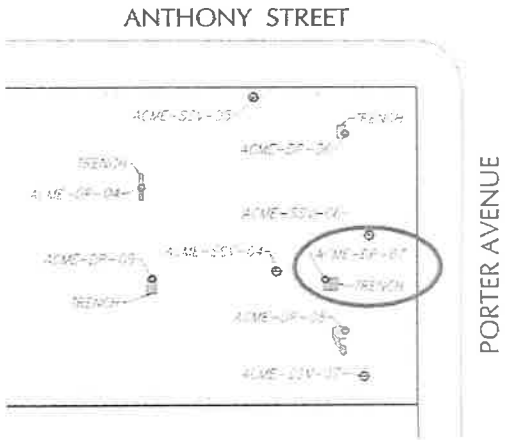
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 1-2-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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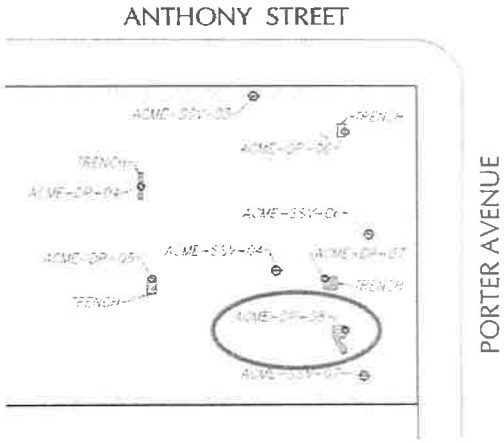
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 1-2-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

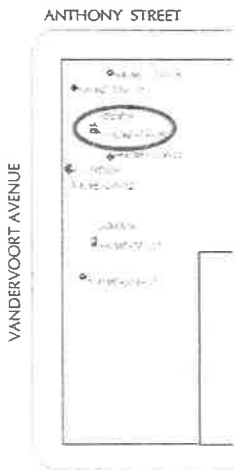
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

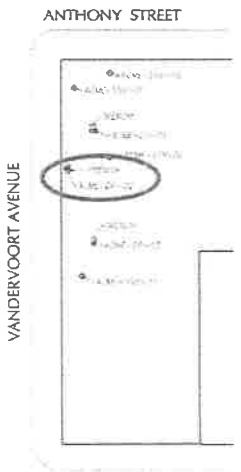
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURGYN

Signature of Person Performing Inspection: Paul Burgyn

Date of Inspection: 2-1-2023

Site Map



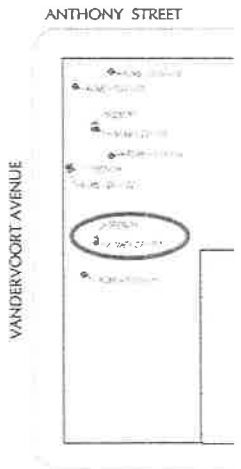
Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

Site Map



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Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 2-1-2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

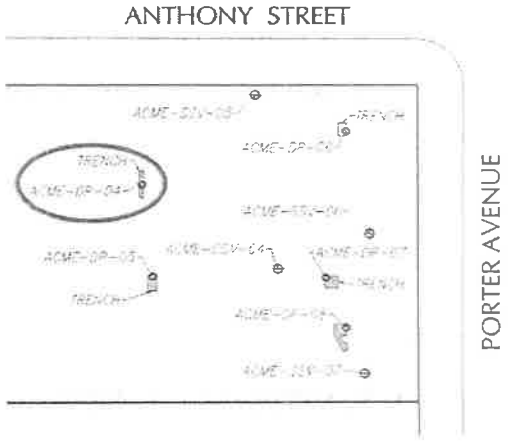
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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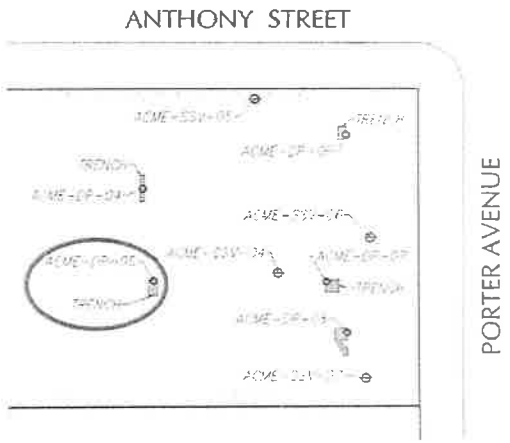
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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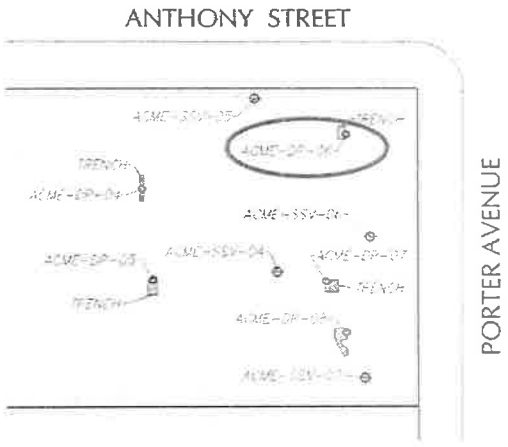
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burdn

Date of Inspection: 2-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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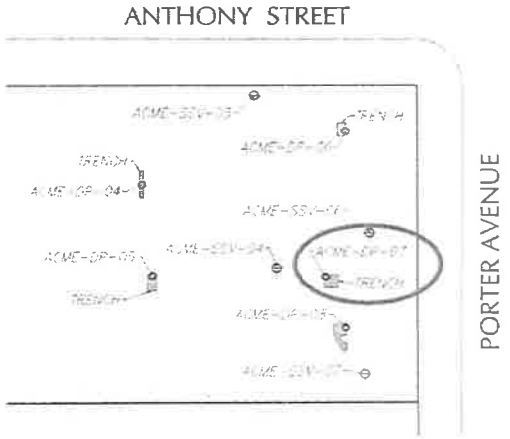
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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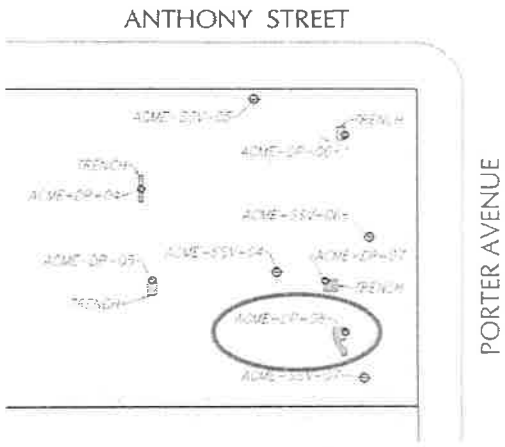
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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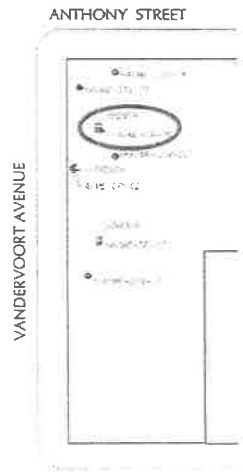
Site Map



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Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 3-1-2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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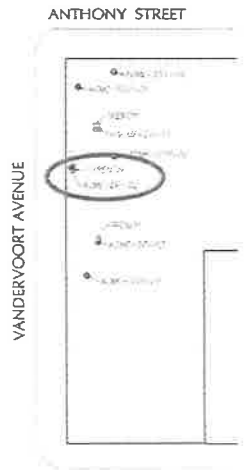
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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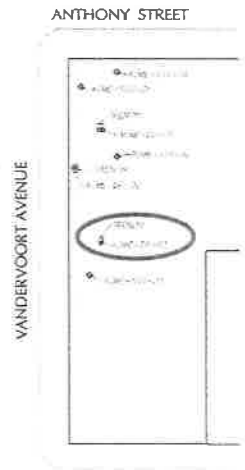
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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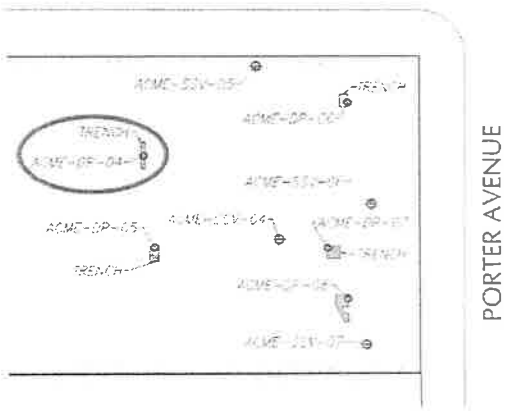
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
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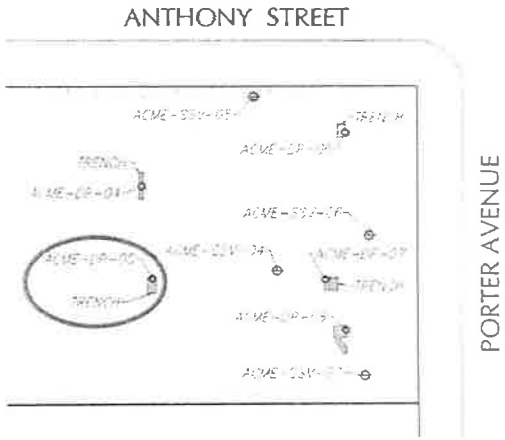
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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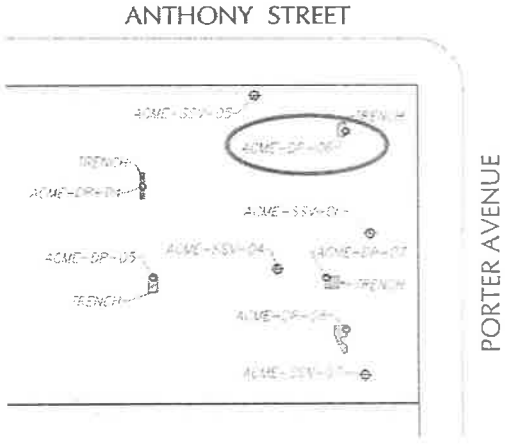
Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

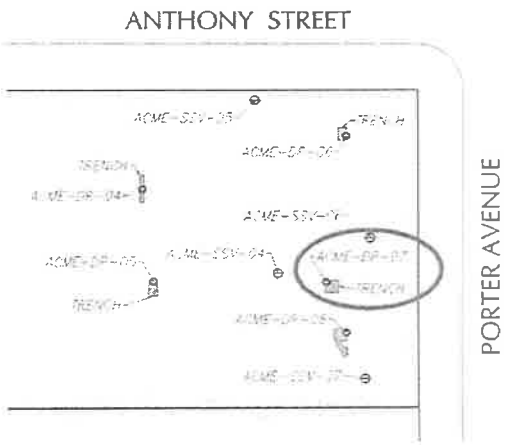
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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Phone Number: 212-479-5578

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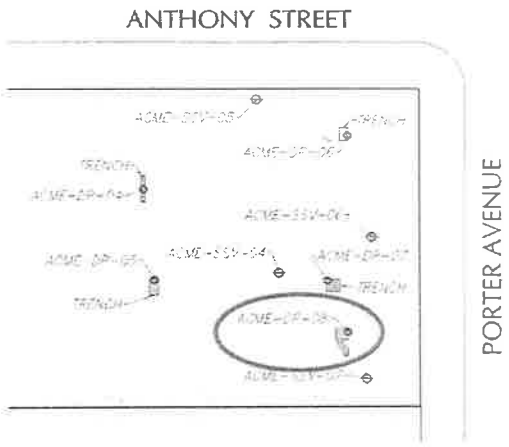
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 2-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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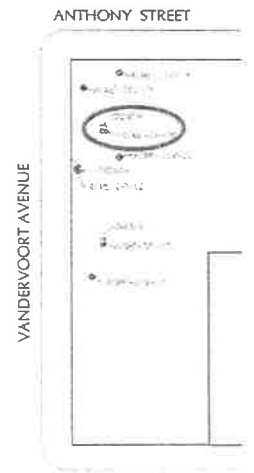
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 4-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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Phone Number: 212-479-5578

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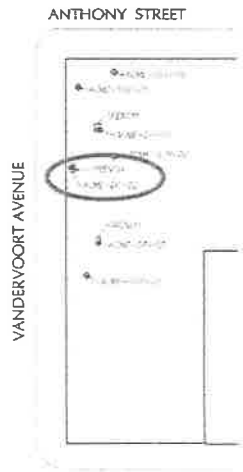
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 4-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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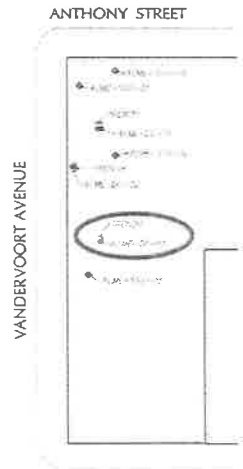
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 4-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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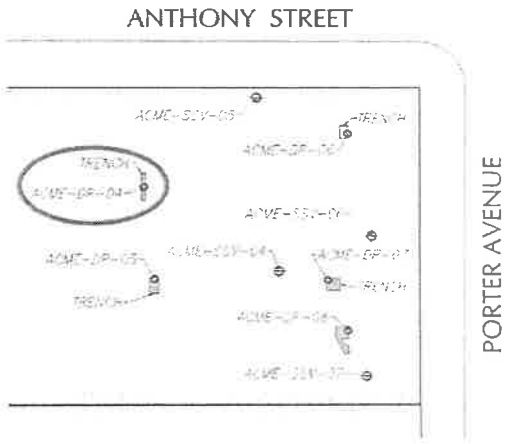
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 4-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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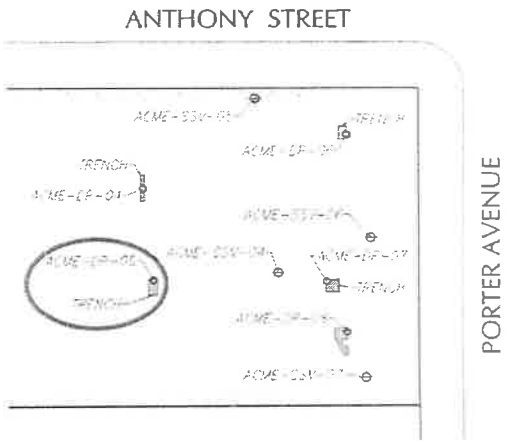
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 9-1-2022

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

This form must be signed, kept on file at the building location and be available on inspection.

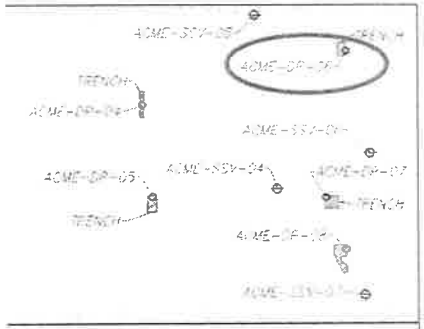
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 4-1-2022

Site Map

ANTHONY STREET



PORTER AVENUE

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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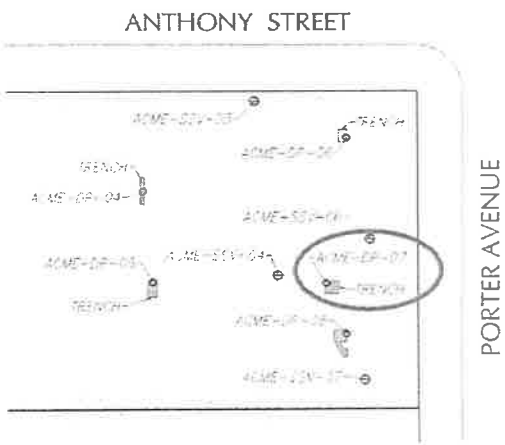
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 4-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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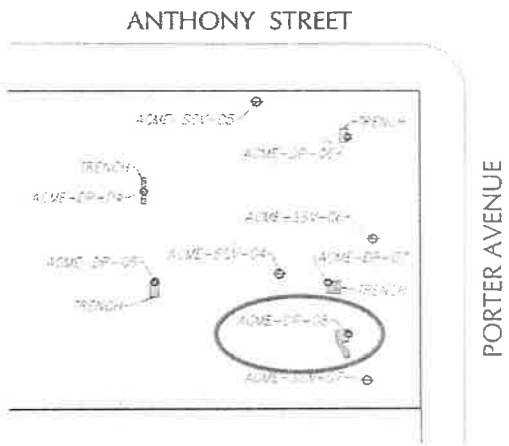
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 4-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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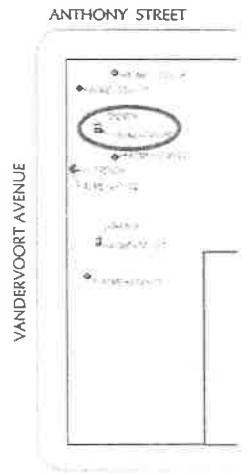
Name of Person Performing Inspection: PAUL BURGYN

Signature of Person Performing Inspection: Paul Burgyn

Date of Inspection: 5-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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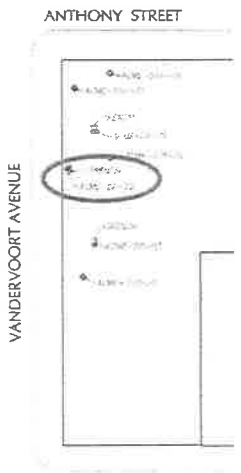
Date of Inspection: 5-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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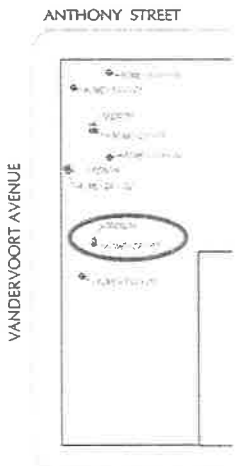
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 5-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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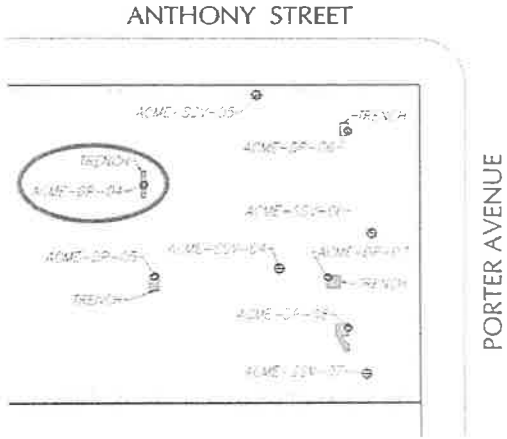
Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 5-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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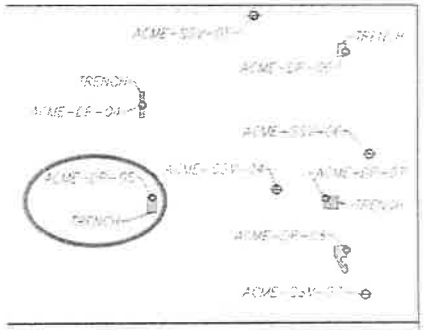
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 5-1-2023

Site Map

ANTHONY STREET



PORTER AVENUE

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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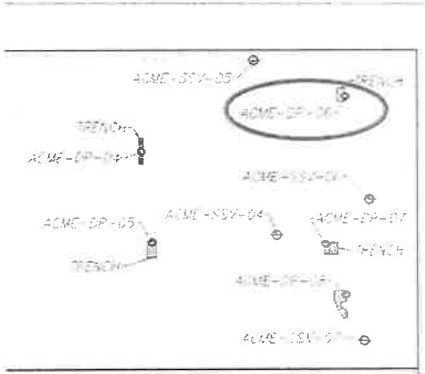
Name of Person Performing Inspection: PAUL BURDEN

Signature of Person Performing Inspection: Paul Burden

Date of Inspection: 5-1-2023

Site Map

ANTHONY STREET



PORTER AVENUE

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

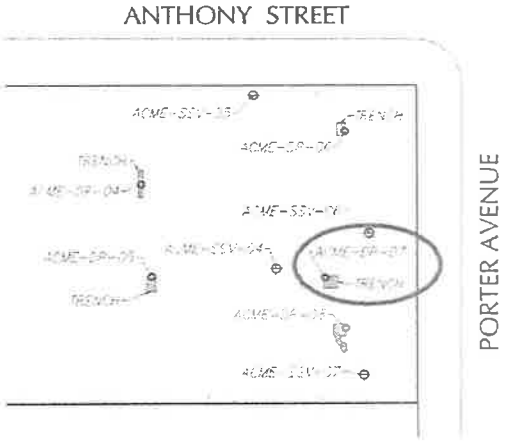
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 5-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		✓	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		✓	If "No," call number below.	
Are the system in-line fans operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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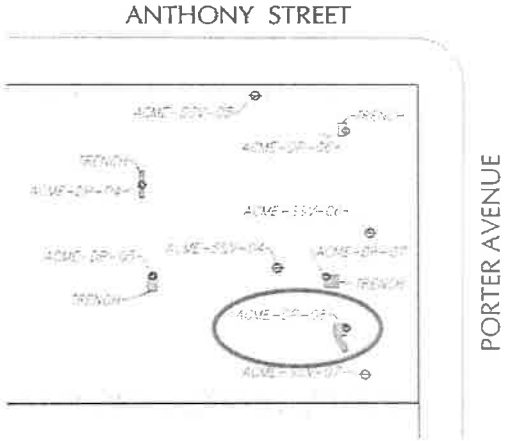
Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 5-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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Phone Number: 212-479-5578

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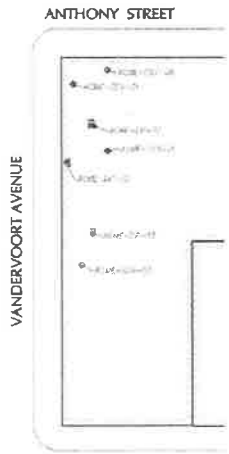

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Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 6-1-2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Vacuum Gauge Readings		
ACME-DP-01	**ACME-DP-02**	**ACME-DP-03**
5	5	5
Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.		

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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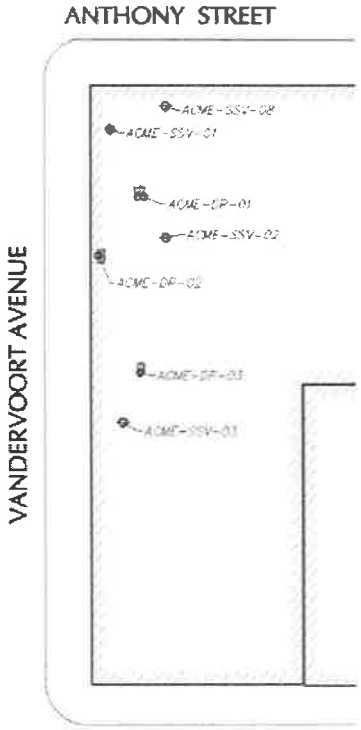

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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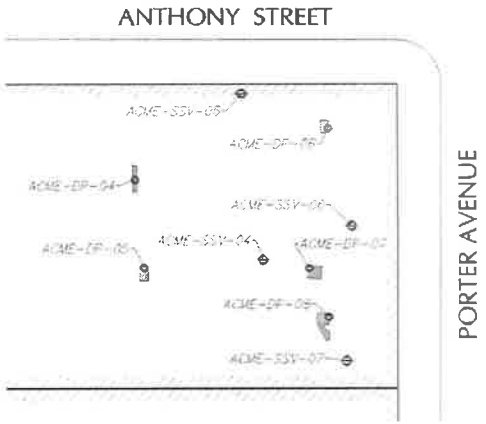

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Vacuum Gauge Readings				
ACME-DP-04	**ACME-DP-05**	**ACME-DP-06**	**ACME-DP-07**	**ACME-DP-08**
5	5	5	5	5

Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.

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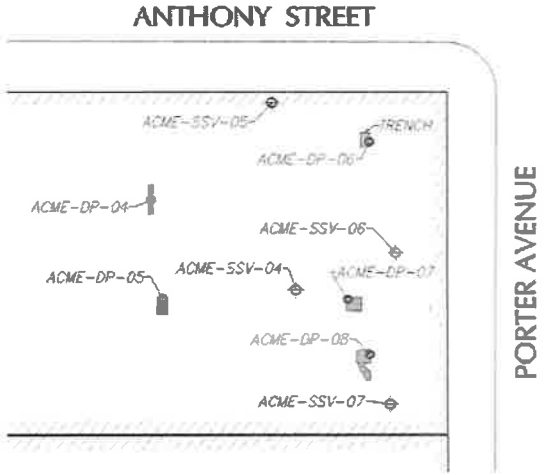

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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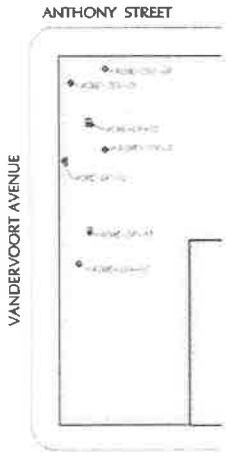

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Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 7-1-2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Vacuum Gauge Readings		
ACME-DP-01	**ACME-DP-02**	**ACME-DP-03**
5	5	5

Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
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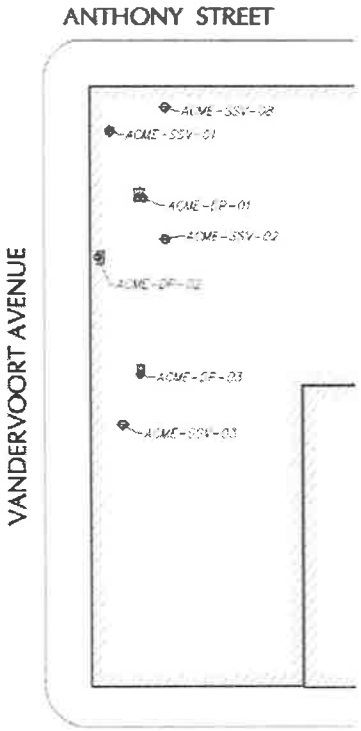
Site Map



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Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 7- 1- 2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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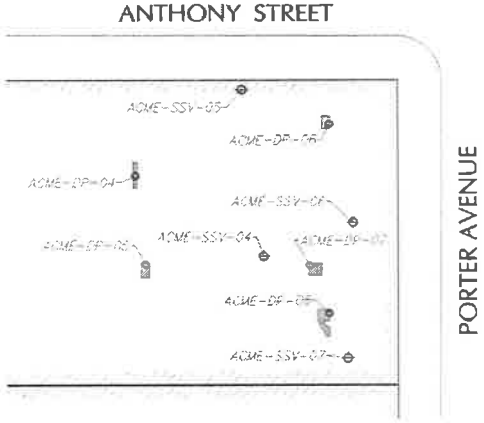
Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Vacuum Gauge Readings				
ACME-DP-04	**ACME-DP-05**	**ACME-DP-06**	**ACME-DP-07**	**ACME-DP-08**
5	5	5	5	5
Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.				

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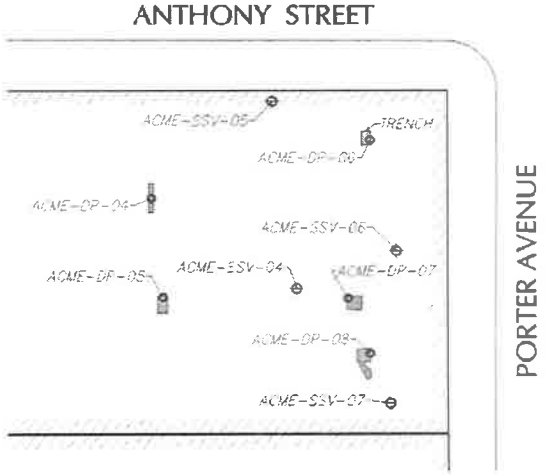
Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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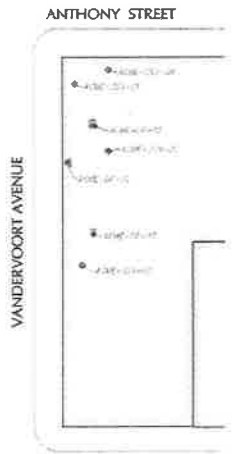
Site Map



This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 8-1-2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Vacuum Gauge Readings		
ACME-DP-01	**ACME-DP-02**	**ACME-DP-03**
5	5	5

Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.

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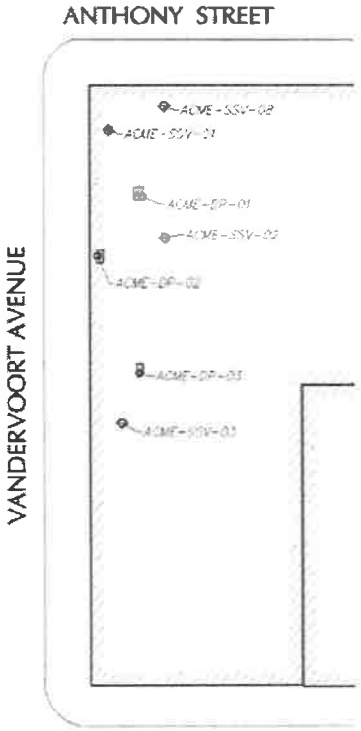
Site Map



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Date of Inspection: 8- 1- 2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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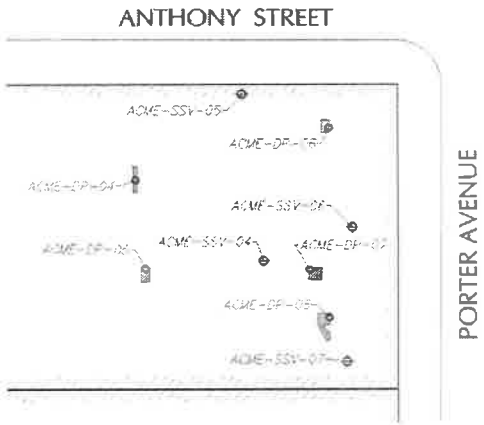

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Vacuum Gauge Readings				
ACME-DP-04	**ACME-DP-05**	**ACME-DP-06**	**ACME-DP-07**	**ACME-DP-08**
5	5	5	5	5
Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.				

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Date of Inspection: 8- 1- 2023

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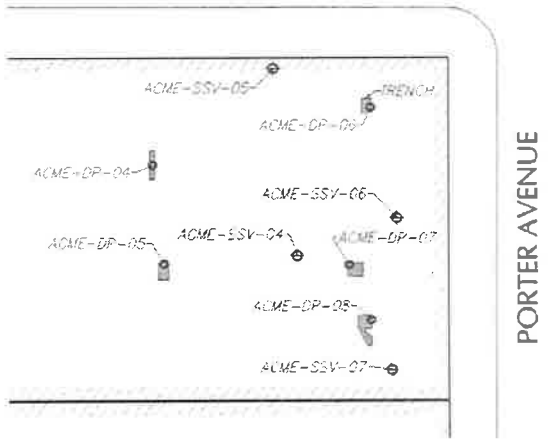

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
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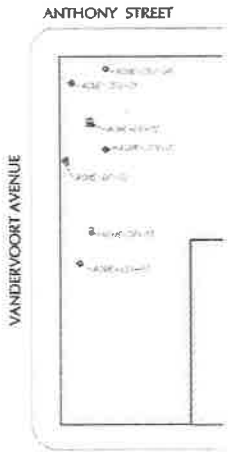
Site Map



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Name of Person Performing Inspection: PAUL BURDYN

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Date of Inspection: 9-1-2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Vacuum Gauge Readings		
ACME-DP-01	**ACME-DP-02**	**ACME-DP-03**
5	5	5

Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.

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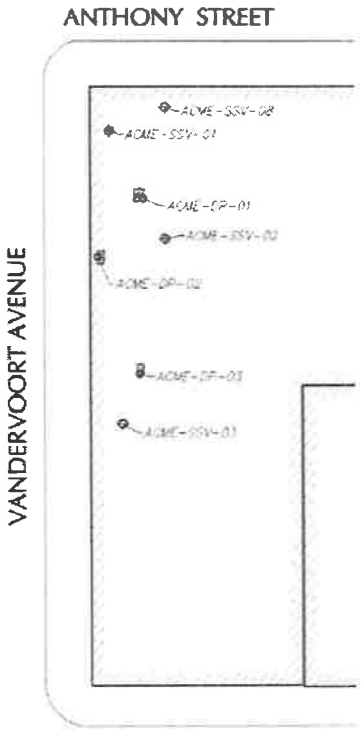

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Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
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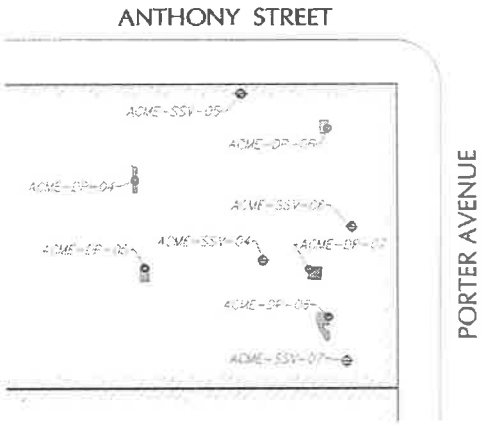

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Vacuum Gauge Readings				
ACME-DP-04	**ACME-DP-05**	**ACME-DP-06**	**ACME-DP-07**	**ACME-DP-08**
5	5	5	5	5

Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.

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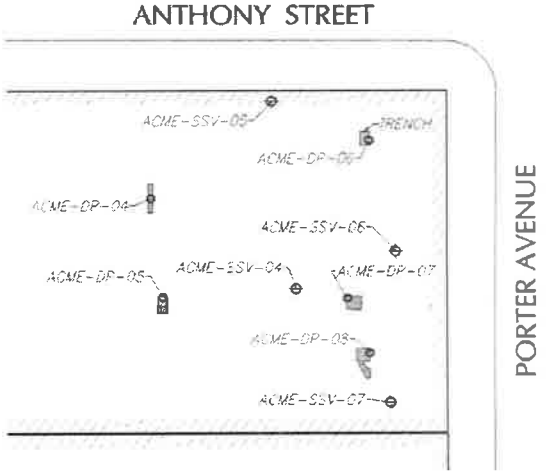

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
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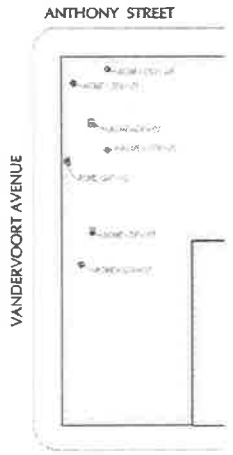

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Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 10-1-2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Vacuum Gauge Readings		
ACME-DP-01	**ACME-DP-02**	**ACME-DP-03**
5	5	5
Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.		

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

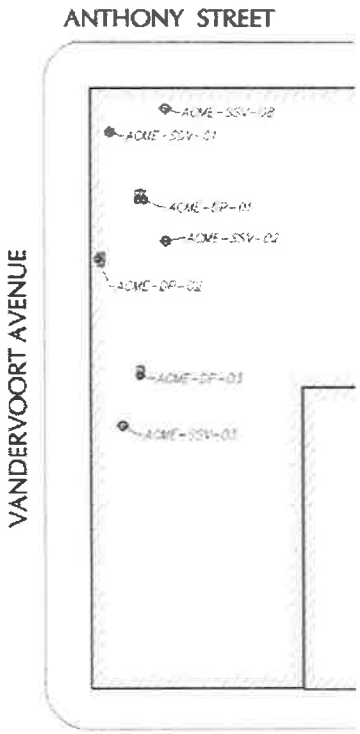
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 10-1-2023

Site Map



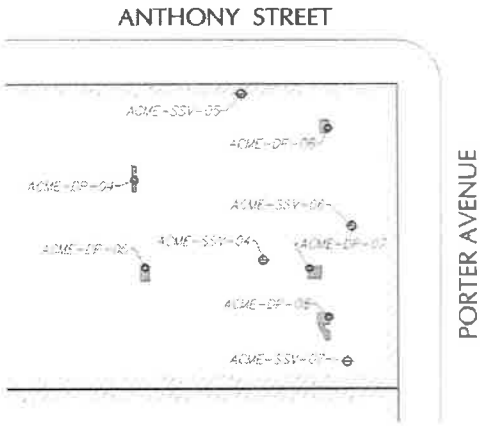
Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

Site Map



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Name of Person Performing Inspection: PAUL BURGYN

Signature of Person Performing Inspection: Paul Burgyn

Date of Inspection: 10-1-2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Vacuum Gauge Readings				
ACME-DP-04	**ACME-DP-05**	**ACME-DP-06**	**ACME-DP-07**	**ACME-DP-08**
5	5	5	5	5

Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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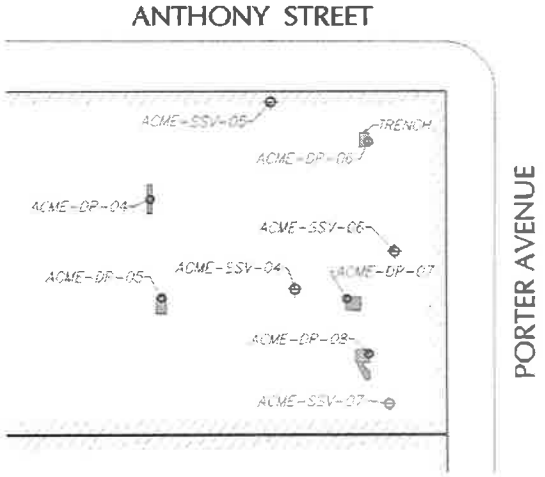
Site Map



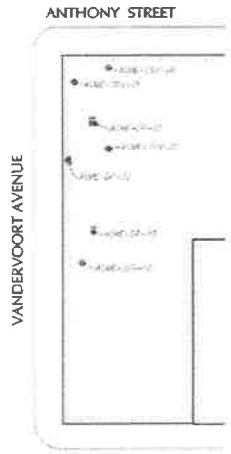
Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

Site Map



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Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 11-1-2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Vacuum Gauge Readings		
ACME-DP-01	**ACME-DP-02**	**ACME-DP-03**
5	5	5
Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.		

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
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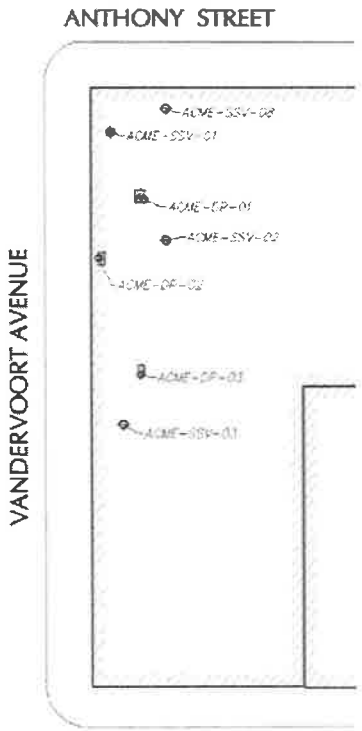
Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Question	No	Yes	Directions	Comments
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Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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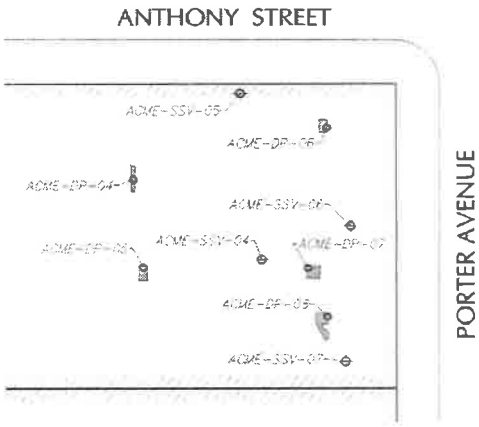

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Vacuum Gauge Readings				
ACME-DP-04	**ACME-DP-05**	**ACME-DP-06**	**ACME-DP-07**	**ACME-DP-08**
5	5	5	5	5

Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.

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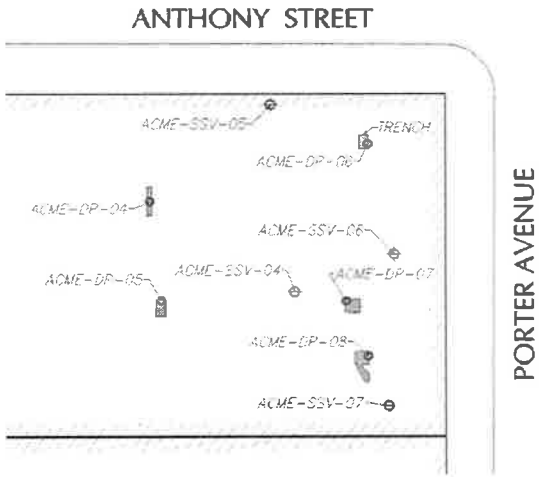

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Question	No	Yes	Directions	Comments
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Is the system in-line fan operating?		✓	If "No," call number below.	
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

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Name of Person Performing Inspection: PAUL BURDYN

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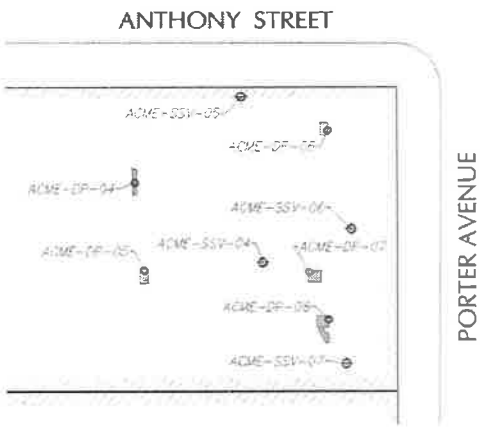
Date of Inspection: 12-1-2023

Site Map



Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

60 Anthony Street

Vacuum Gauge Readings				
ACME-DP-04	**ACME-DP-05**	**ACME-DP-06**	**ACME-DP-07**	**ACME-DP-08**
5	5	5	5	5
Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.				

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

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Date of Inspection: 12-1-2023

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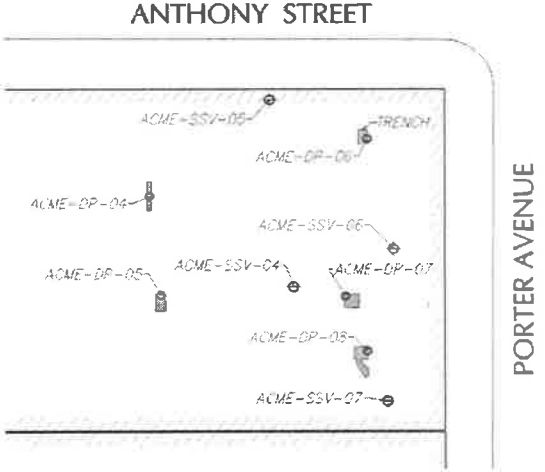


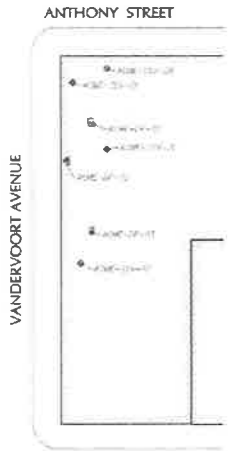
Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		✓	If "No," call number below and note which gauges.	
Is the system alarm operational?		✓	If "No," call number below.	
Is the system in-line fan operating?		✓	If "No," call number below.	AT A SLOW RATE
Is air being discharged from the system vent?		✓	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		✓	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	✓		If "Yes," call number below.	
Are there any blockages in SSD System piping?	✓		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

Site Map



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Name of Person Performing Inspection: PAUL BURDYN

Signature of Person Performing Inspection: Paul Burdyn

Date of Inspection: 12-1-2023

Active Sub Slab Depressurization (SSD) System
Monthly Inspection Form

95 Lombardy Street

Vacuum Gauge Readings		
ACME-DP-01	**ACME-DP-02**	**ACME-DP-03**
2	2	2
Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.		

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Phone Number: 212-479-5578

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection: PAUL BURDYN

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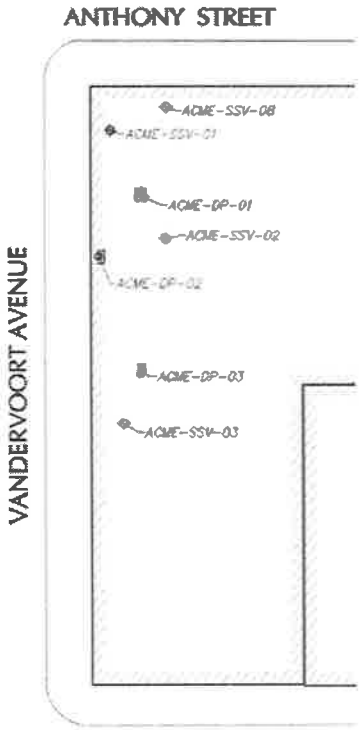
Site Map



Sub-Slab Depressurization System Startup Inspection
Differential Pressure Measurements

95 Lombardy St / 60 Anthony St.,
Brooklyn, NY
Langan Project No. 170157201
NYSDEC Site No. 224131

SSD Pressure Field Testing - Vacuum Monitoring Points			
Location	**Vacuum (inH2O)**	**Notes/Observations**	
ACME-SSV-01R	0.002		
ACME-SSV-02R	-0.010		
ACME-SSV-03R	-0.011	SSV point damaged	
ACME-SSV-04	-0.216		
ACME-SSV-05	0.000	Surficial cracks observed near point	
ACME-SSV-06	-0.079		
ACME-SSV-07	-0.282		
SSD Pressure Field Testing - Depressurization Pit Risers			
Location	**Vacuum (inH20)**	**Flow (CFM)**	**Notes/Observations**
ACME-DP-01	0.0	1.00	Alarm connected to DP02 was unplugged upon arrival. Although 95 Lombardy St fan is on, when alarm is plugged in the alarm is still raised.
ACME-DP-02	0.0	0.00	
ACME-DP-03	0.0	0.89	
ACME-DP-04	-3.5	31.06	Alarm connected to DP06 was unplugged upon arrival. Field personnel reconnected the alarm.
ACME-DP-05	-3.5	82.77	
ACME-DP-06	-4.0	31.61	
ACME-DP-07	-4.0	39.30	
ACME-DP-08	-4.5	31.36	

Notes:
1. SSD = Sub-slab Depressurization
2. CFM = cubic feet per minute
2. inH20 = inches of water column

SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM INSPECTION CHECKLIST

Site Name: Former Acme Steel/Metal Works Location: 60 Anthony St / 95 Lombardy Street, Brooklyn, NY

Project Number: 170157201 Date: 11/21/2023 Weather: Sunny, 36-50F

Inspector Name: Seyena Simpson Reason for Inspection (i.e., routine, severe condition, etc.): Routine - annual

		Y	N	NA	Remarks
	Records				
1	Is the Operations & Maintenance Plan readily available on-site?	X			
2	Based on site records, when was the last inspection, maintenance, or repair event?			X	9/7/22 - post-mitigation indoor air sampling
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? If yes, provide duration and details.	X			
	Alarm System				
4	Do the alarm lights indicate that the system is operational?		X		The alarm system on DP02 indicates that the 95 Lombardy St system is not operational
	General System				
5	Is there any construction activity since the last event that included the breaching of the floor slab, on-site at the time of this inspection?		X		
6	If YES to Number 5, is there documentation that the HASP for the site was/is being followed?			X	
7	If YES to Number 5, is there documentation that all breaches in the floor slab have been sealed?			X	
8	Does all visible SSD system piping appear intact and undamaged?		X		Vacuum monitoring point SSV03R appears to be damaged and surficial cracking was observed around SSV05
9	Have any intake points been constructed at the roof near (less than 10 feet) the SSD system in-line fan discharge points?		X		
	SSD System In-Line Fan Units				
10	Is the SSD system operational at the time of the inspection?		X		The 95 Lombardy St fan was not operating at full capacity at the time of the inspection
11	What is the system flow prior to the fan (CFM)?			X	ACME-DP-01: 1.00 CFM, ACME-DP-02: 0.00-CFM, ACME-DP-03: 0.89 CFM, ACME-DP-04: 31.06 CFM, ACME-DP-05: 82.77 CFM, ACME-DP-06: 31.61 CFM, ACME-DP-07: 39.30 CFM, ACME-DP-08: 31.36 CFM
12	What is the sytem vaccuum prior to the fan (in. WC)?			X	ACME-DP-01: 0.00 IWC, ACME-DP-02: 0.00 IWC, ACME-DP-03: 0.00 IWC, ACME-DP-04: 3.50 IWC, ACME-DP-05: 3.50 IWC, ACME-DP-06: 4.00 IWC, ACME-DP-07: 4.00 IWC, ACME-DP-08: 4.50 IWC
13	Are the SSD system in-line fans expelling air at the discharge point?	X			

SSD System Components

- Rain guards on vent pipe exhausts
- Riser pipes labeled
- Sample ports on risers
- Vacuum gauges on the risers
- Alarm system present and properly labeled

Notes

1. CFM - cubic feet per minute
2. in. WC = inches of water column
3. SSD = Sub-slab depressurization
4. HASP = Health and Safety Plan

Additional Remarks / Items to be addressed:

LANGAN

ATTACHMENT B
SITE OBSERVATION REPORTS

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	07/29/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Mostly Cloudy, 78-87 °F Wind: W @ 0-12 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	8:00 a.m. to 3:15 p.m.

EQUIPMENT:		**PRESENT AT SITE:**
Cirrus Wind Indicator	Hand Tools	Langan: Roswell Lo *[7.25 hours on site]*
TSI Velocicalc 9565		AWT: Gary Milchanoski and 1 laborer *[7.25 hours on site]*

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to observe the implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Design Work Plan (RDWP), dated January 14, 2022.

Site Activities

- AWT replaced the O-rings, manhole cover bolts, and well plugs for monitoring wells ACME-MW-4 and ACME-MW-4D. The annulus of each well manhole was cleaned of accumulated debris, and each polyvinyl chloride (PVC) well riser was extended.
- AWT installed remaining sub-slab depressurization (SSD) system components (riser labels, rain caps and vacuum gages).
- Langan performed smoke testing of the SSD pits, risers, and building slab at 95 Lombardy Street. Joints in the concrete slab above ACME-DP-01 through ACME-DP-03 were sealed. Smoke testing was completed with no apparent infiltration after sealing the identified joints.
- Langan used an air velocity meter to conduct communication testing by measuring differential pressure at the sub-slab soil vapor points within the SSD target mitigation area (ACME-SSV-02, ACME-SSV-03, and ACME-SSV-08), and on the riser sample ports (ACME-DP-01 through ACME-DP-03).
    - Differential pressure measurements indicated that the floor slab throughout the entire SSD target mitigation area is depressurized (i.e., a vacuum was observed at each location).

Location	Vacuum (inH2O)
ACME-SSV-02	-0.288
ACME-SSV-03	-0.155
ACME-SSV-08	-0.053

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Roswell Lo Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	07/29/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Mostly Cloudy, 78-87 °F Wind: W @ 0-12 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	8:00 a.m. to 3:15 p.m.

Material Tracking

- About 5.5 cubic yards (CY) of concrete is stored within the 20-CY lined and covered roll-off container located at NYSDEC Site No. 224132 (498 Porter Avenue).
- About 9 CY of soil is stored within the 20-CY lined and covered roll-off container located at NYSDEC Site No. 224132 (498 Porter Avenue).

Community Air Monitoring Plan (CAMP) Activities

- The CAMP was not implemented due to lack of soil-intrusive activities.

Anticipated Activities

- Urban Lighting will continue installation of electrical wiring for the SSD blower and blower alarm at 60 Anthony Street.
- AWT will continue to conduct SSD system start up activities next week.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Roswell Lo Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	07/29/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Mostly Cloudy, 78-87 °F Wind: W @ 0-12 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	8:00 a.m. to 3:15 p.m.

SITE PHOTOGRAPHS:

Photo 1:

General view of monitoring well ACME-MW-4D at 60 Anthony after AWT performed maintenance/ housekeeping.

Photo 2:

General view of vent cap installed on blower at 60 Anthony Street (facing south).

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Roswell Lo Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	07/29/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Mostly Cloudy, 78-87 °F Wind: W @ 0-12 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	8:00 a.m. to 3:15 p.m.

Photo 3:

General view of pressure differential reading at ACME-SSV-02 at 95 Lombardy Street (facing east).

Photo 4:

General view of AWT using caulk to seal the joints near SSD pit ACME-DP-01 at 95 Lombardy (facing north).

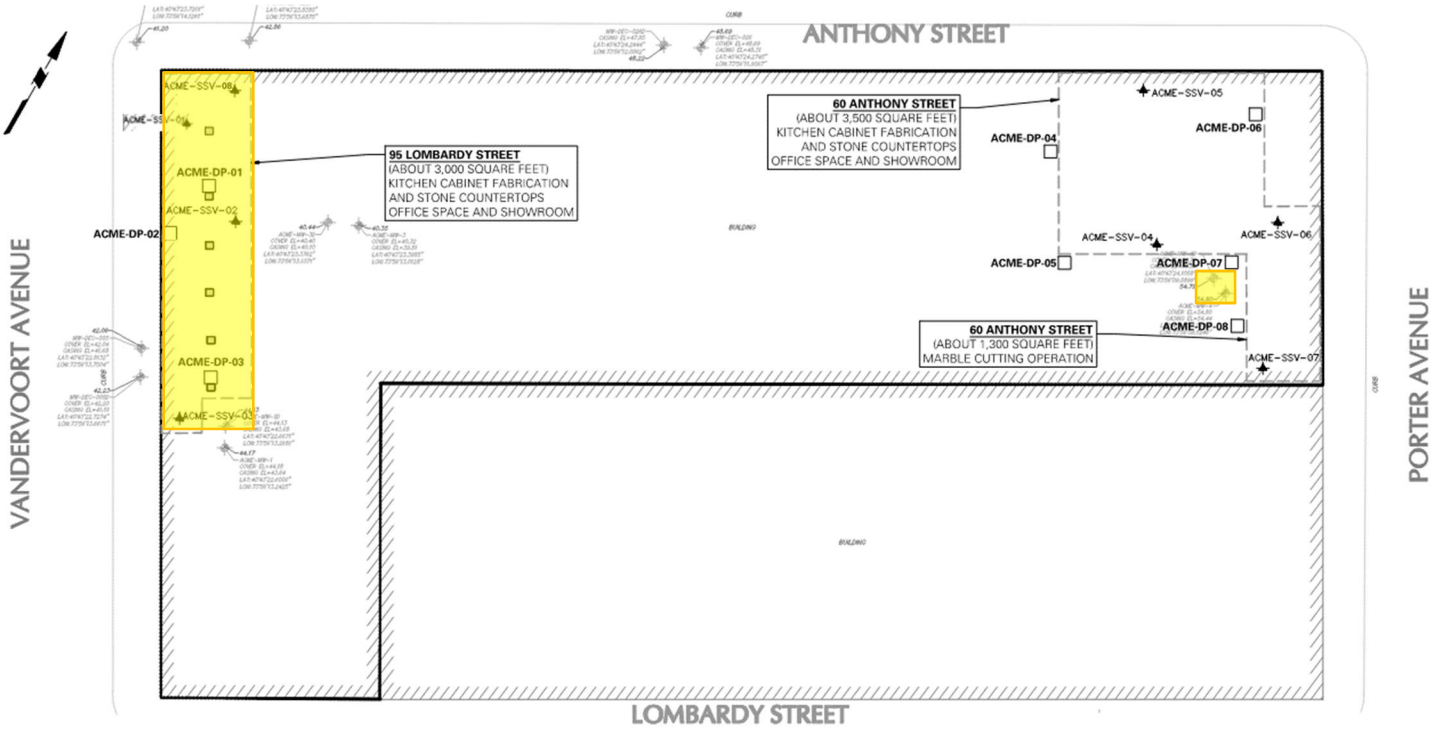
To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Roswell Lo Langan

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	07/29/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Mostly Cloudy, 78-87 °F Wind: W @ 0-12 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	8:00 a.m. to 3:15 p.m.

SITE PLAN



Daily Activities Key:

Area of Work

LEGEND:

- SITE BOUNDARY
- TARGET MITIGATION AREAS (CONTINUOUSLY OCCUPIED SPACED)
- ACME-DP-01 — PROPOSED DEPRESSURIZATION PIT AND ROOF PENETRATION
- ACME-SSV-07 — PROPOSED VACUUM MONITORING POINT
- BUILDING COLUMN

Background taken from RDWP *Figure 3 – Sub-Slab Depressurization System Layout*, with NYSDEC-approved revisions to the locations of SSD pits ACME-DP-05, ACME-DP-07, and ACME-DP-08.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Roswell Lo Langan

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	08/08/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Partly Cloudy, 78-92 °F Wind: SW @ 0-8 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	7:45 a.m. to 3:00 p.m.

EQUIPMENT:		**PRESENT AT SITE:**
Cirrus Wind Indicator	Hand Tools	Langan: Audrey Seery *[7.25 hours on site]*
TSI Velocicalc 9565		AWT: Gary Milchanoski *[6.5 hours on site]*

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to observe the implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Design Work Plan (RDWP), dated January 14, 2022.

Site Activities

- Langan performed smoke testing of the sub-slab depressurization (SSD) pits, risers, and building slab at 60 Anthony Street. Joints in the concrete slab above ACME-DP-04 through ACME-DP-08 were sealed. Smoke testing was completed with no apparent infiltration after sealing the identified joints.
- Langan used an air velocity meter to conduct communication testing by measuring differential pressure at the sub-slab soil vapor points within the SSD target mitigation area (ACME-SSV-04 through ACME-SSV-07), and at the riser sample ports (ACME-DP-04 through ACME-DP-08).
    - Differential pressure measurements indicated that the floor slab throughout the entire SSD target mitigation area is depressurized (i.e., a vacuum was observed at each location).
    - Langan observed a vacuum of -0.016 inches of water column (inH2O) at ACME-SSV-05, which is less than the target vacuum of -0.02 IWC. The differential pressure measurements will be retaken in early September 2022 during post-mitigation indoor air sampling.

Location	Vacuum (inH2O)
ACME-SSV-04	-0.802
ACME-SSV-05	-0.016
ACME-SSV-06	-0.121
ACME-SSV-07	-0.454

Material Tracking

- About 5.5 cubic yards (CY) of concrete is stored within the 20-CY lined and covered roll-off container located at NYSDEC Site No. 224132 (498 Porter Avenue).
- About 9 CY of soil is stored within the 20-CY lined and covered roll-off container located at NYSDEC Site No. 224132 (498 Porter Avenue).

Community Air Monitoring Plan (CAMP) Activities

- The CAMP was not implemented due to lack of soil-intrusive activities.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Audrey Seery Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	08/08/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Partly Cloudy, 78-92 °F Wind: SW @ 0-8 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	7:45 a.m. to 3:00 p.m.

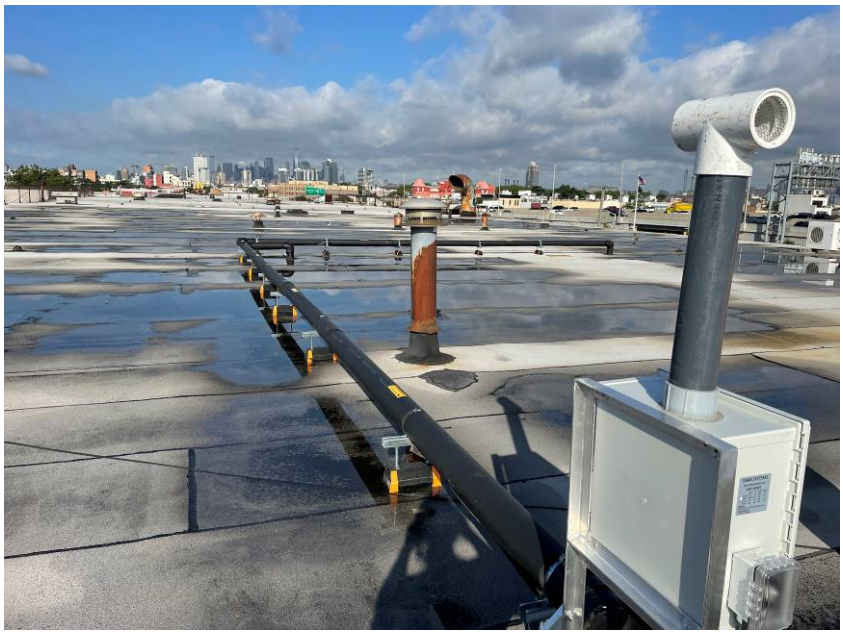
SITE PHOTOGRAPHS:

Photo 1:

General view of riser pipe at ACME-DP-05 (facing north).

Photo 2:

General view of SSD system components on the roof at 60 Anthony Street (facing west).



To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Audrey Seery Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	08/08/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Partly Cloudy, 78-92 °F Wind: SW @ 0-8 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	7:45 a.m. to 3:00 p.m.

Photo 3:

General view of vacuum reading at ACME-SSV-06.

Photo 4:

General view of AWT using caulk to seal concrete joints near SSD pit ACME-DP-04.

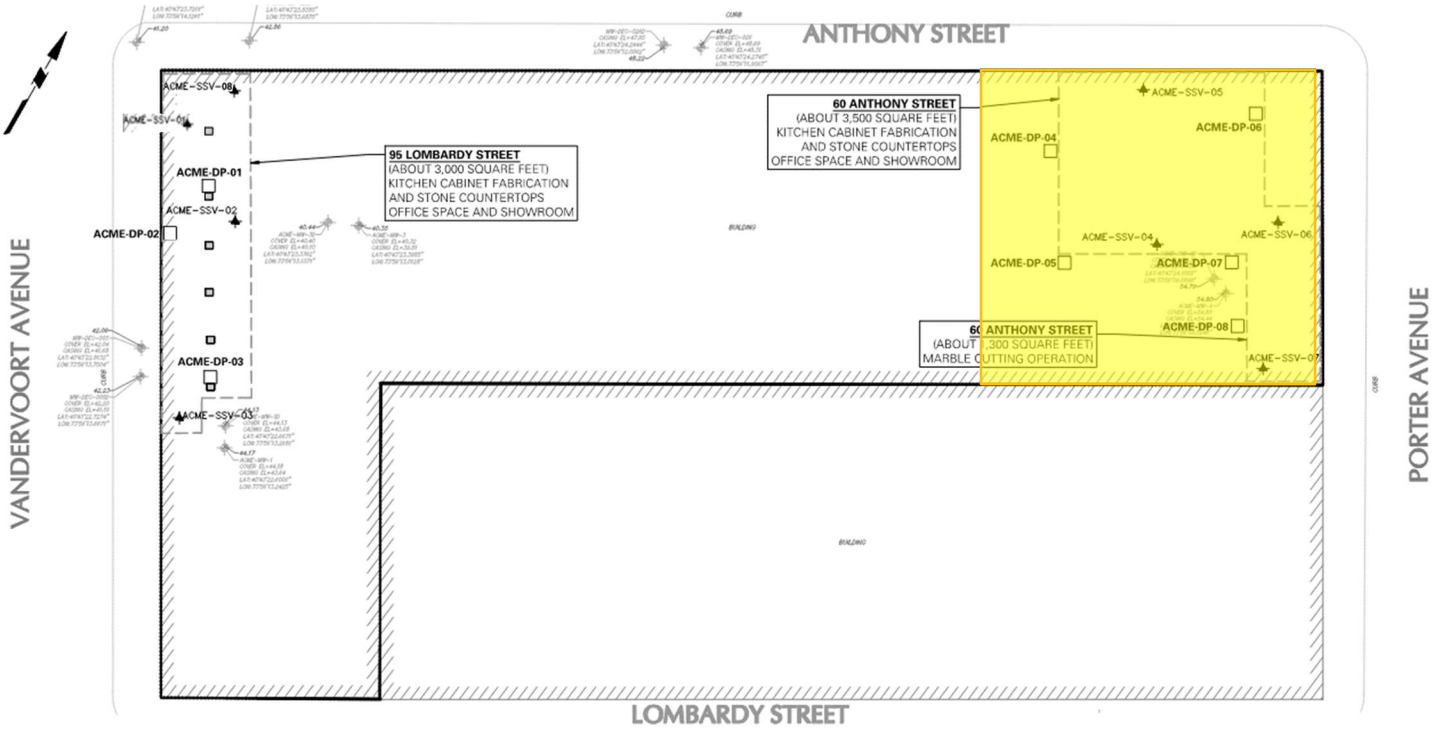
To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Audrey Seery Langan

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	08/08/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Partly Cloudy, 78-92 °F Wind: SW @ 0-8 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	7:45 a.m. to 3:00 p.m.

SITE PLAN



Daily Activities Key:

Area of Work

LEGEND:

- SITE BOUNDARY
- TARGET MITIGATION AREAS (CONTINUOUSLY OCCUPIED SPACED)
- ACME-DP-01 — PROPOSED DEPRESSURIZATION PIT AND ROOF PENETRATION
- ACME-SSV-07 — PROPOSED VACUUM MONITORING POINT
- BUILDING COLUMN

Background taken from RDWP *Figure 3 – Sub-Slab Depressurization System Layout*, with NYSDEC-approved revisions to the locations of SSD pits ACME-DP-05, ACME-DP-07, and ACME-DP-08.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Audrey Seery Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	12/1/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 35 °F Wind: E @ 7-11 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	8:00 a.m. to 3:00 p.m.

EQUIPMENT:	**PRESENT AT SITE:**
Handheld screening instruments Hand Tools	Langan: Liz McConnell *[7 hours on site]*

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to perform the annual monitoring inspection of the sub-slab depressurization (SSD) systems.

Site Activities

- Langan used an air velocity/differential pressure meter and permanent system gauges to collect parameters from the vacuum monitoring points and depressurization pit risers of the SSD systems. System parameters are presented in the tables below.

Location	Vacuum (IWC)	Flow (CFM)
Vacuum Monitoring Points		
ACME-SSV-01R	-0.025	N/A
ACME-SSV-02R	-0.342	
ACME-SSV-03R	-0.123	
ACME-SSV-04	-0.199	
ACME-SSV-05	-0.017	
ACME-SSV-06	-0.09	
ACME-SSV-07	-0.115	
Depressurization Pit Risers		
ACME-DP-01	-6	17.99
ACME-DP-02	-5.1	170.55
ACME-DP-03	-6	30.02
ACME-DP-04	-3.2	83.79
ACME-DP-05	-4	58.64
ACME-DP-06	-4.1	30.41
ACME-DP-07	-4	39.29
ACME-DP-08	-4.1	33.8

cfm = cubic feet per minute; IWC = inches of water column; N/A = Not Applicable

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Liz McConnell Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	12/1/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 35 °F Wind: E @ 7-11 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	8:00 a.m. to 3:00 p.m.

Material Tracking:

- No material was imported to or exported from the site.

Community Air Monitoring Plan (CAMP) Activities:

- The CAMP was not implemented due to lack of soil-intrusive activities.

Sampling Activities:

- No samples were collected.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Liz McConnell Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	12/1/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 35 °F
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222			Wind: E @ 7-11 mph
			TIME:	8:00 a.m. to 3:00 p.m.

SITE PHOTOGRAPHS:

Photo 1:

View of the ACME-DP-06 depressurization pit riser and SSD system alarm at 60 Anthony Street (facing north).

Photo 2:

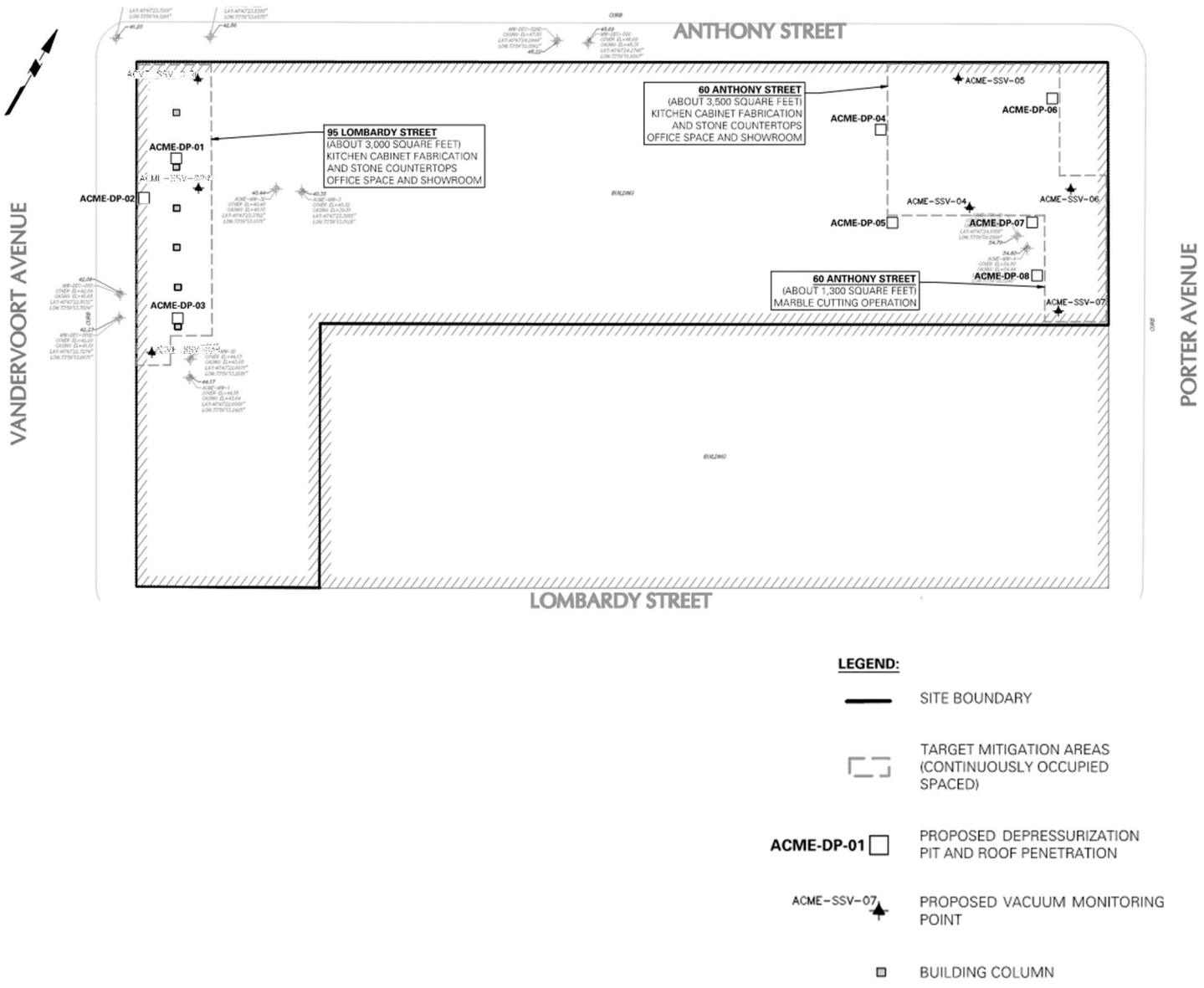
View of pressure differential reading at ACME-SSV-03R at 95 Lombardy Street.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Liz McConnell Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	12/1/2022
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 35 °F Wind: E @ 7-11 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	8:00 a.m. to 3:00 p.m.

SITE PLAN



Background taken from RDWP Figure 3 – Sub-Slab Depressurization System Layout, with NYSDEC-approved revisions to the locations of SSD pits ACME-DP-05, ACME-DP-07, and ACME-DP-08.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Liz McConnell Langan

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	11/21/2023
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 36 -50 °F
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222			Wind: E @ 0-5 mph
			TIME:	1:00 p.m. to 3:00 p.m.

EQUIPMENT:
Handheld screening instruments
Hand Tools

PRESENT AT SITE:
Langan: Seyena Simpson *[2 hours on site]*

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to perform the annual monitoring inspection of the sub-slab depressurization (SSD) systems.

Site Activities

- Langan completed a visual inspection of the SSD system components and site cover.
- Langan used an air velocity/differential pressure meter and permanent system gauges to collect parameters from the vacuum monitoring points and depressurization pit risers of the SSD systems. System parameters are presented in the tables below.

Location	Vacuum (IWC)	Flow (CFM)
Vacuum Monitoring Points		
ACME-SSV-01R	0.002	N/A
ACME-SSV-02R	-0.010	
ACME-SSV-03R	-0.011	
ACME-SSV-04	-0.216	
ACME-SSV-05	0.000	
ACME-SSV-06	-0.079	
ACME-SSV-07	-0.282	
Depressurization Pit Risers		
ACME-DP-01	0	1
ACME-DP-02	0	0
ACME-DP-03	0	0.89
ACME-DP-04	-3.5	31.06
ACME-DP-05	-3.5	82.77
ACME-DP-06	-4	31.61
ACME-DP-07	-4	39.3
ACME-DP-08	-4.5	31.36

cfm = cubic feet per minute; IWC = inches of water column; N/A = Not Applicable

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Seyena Simpson Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	11/21/2023
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 36 -50 °F Wind: E @ 0-5 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	1:00 p.m. to 3:00 p.m.

Material Tracking:

- No material was imported to or exported from the site.

Community Air Monitoring Plan (CAMP) Activities:

- The CAMP was not implemented due to lack of soil-intrusive activities.

Sampling Activities:

- No samples were collected.

Anticipated Activities

- A service technician will advise on needed maintenance for the 95 Lombardy Street fan. Langan will notify the NYSDEC of necessary steps forward.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Seyena Simpson Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	11/21/2023
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 36 -50 °F
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222			Wind: E @ 0-5 mph
			TIME:	1:00 p.m. to 3:00 p.m.

SITE PHOTOGRAPHS:

Photo 1:

View of the ACME-DP-07 depressurization pit riser at 60 Anthony Street (facing northeast).

Photo 2:

View of site cover at 95 Lombardy Street (facing south)

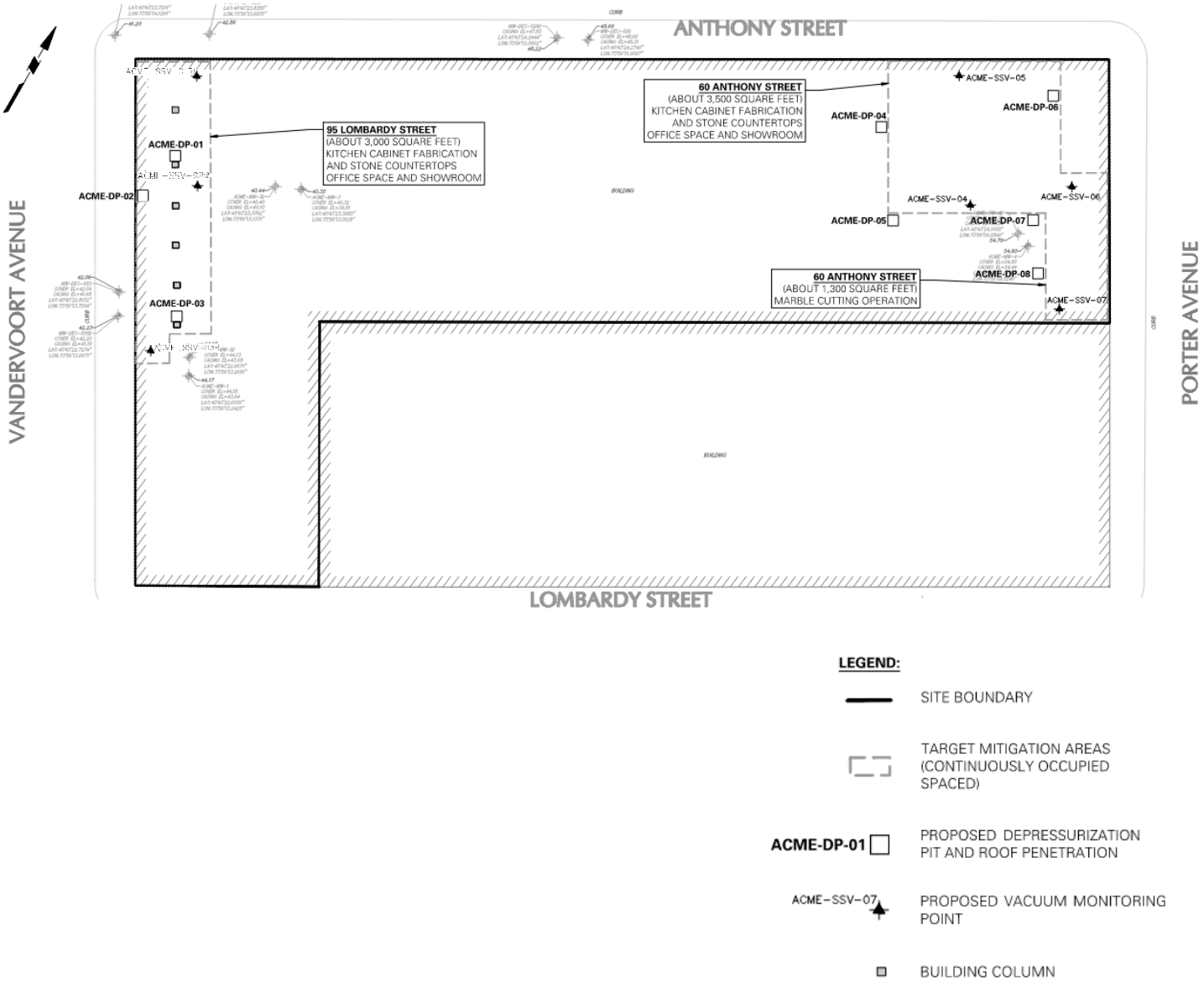
To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Seyena Simpson Langan

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	11/21/2023
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 36 -50 °F Wind: E @ 0-5 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	1:00 p.m. to 3:00 p.m.

SITE PLAN



Background taken from RDWP Figure 3 – Sub-Slab Depressurization System Layout, with NYSDEC-approved revisions to the locations of SSD pits ACME-DP-05, ACME-DP-07, and ACME-DP-08.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Seyena Simpson Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	02/05/2024
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 38-44°F
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222			Wind: S @ 15-22 mph
			TIME:	1:45 a.m. to 5:45 p.m.

EQUIPMENT:	**PRESENT AT SITE:**
Hand Tools TSI Velocicalc 9565	Langan: Olivia Miller *[4 hours on site]* AWT: Edward Sinnet *[4.25 hours on site]*

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to complete post-mitigation effluent vapor sampling and conduct non-routine maintenance for the sub-slab depressurization (SSD) systems in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved SSD System Operation, Maintenance, and Monitoring (OM&M) Plan, dated November 22, 2023.

Site Activities

- AWT completed the following maintenance activities for the SSD system blower at 95 Lombardy Street:
  - Replaced internal blower parts
  - Installed a sample port on the discharge stack
  - Installed a condensate bypass fitting
- AWT installed a condensate bypass fitting on the SSD system blower at 60 Anthony Street.
- Langan collected pressure differential readings from vacuum monitoring points and confirmed the slab within the 60 Anthony Street and 95 Lombardy Street target mitigation areas was depressurized.
- Langan collected effluent vapor samples from the SSD discharge stacks at 60 Anthony Street and 95 Lombardy Street.

Material Tracking:

- No material was imported to or exported from the site.

Community Air Monitoring Plan (CAMP) Activities:

- The CAMP was not implemented due to lack of soil-intrusive activities.

Sampling Activities:

- Langan collected two SSD system effluent vapor samples from SSD system blower discharge stacks - one sample at 60 Anthony Street (SSD_60A_020524) and one sample at 95 Lombardy Street (SSD_95L_020524). The samples were relinquished to York Analytical Laboratories for volatile organic compound (VOC) analysis via United States Environmental Protection Agency Method TO-15.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Olivia Miller Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	02/05/2024
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 38-44°F
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222			Wind: S @ 15-22 mph
			TIME:	1:45 a.m. to 5:45 p.m.

SITE PHOTOGRAPHS:

Photo 1:

View of the sample port on the SSD discharge stack at 95 Lombardy Street (facing northwest).

Photo 2:

View of pressure differential reading collection at SSV-02R at 95 Lombardy Street.

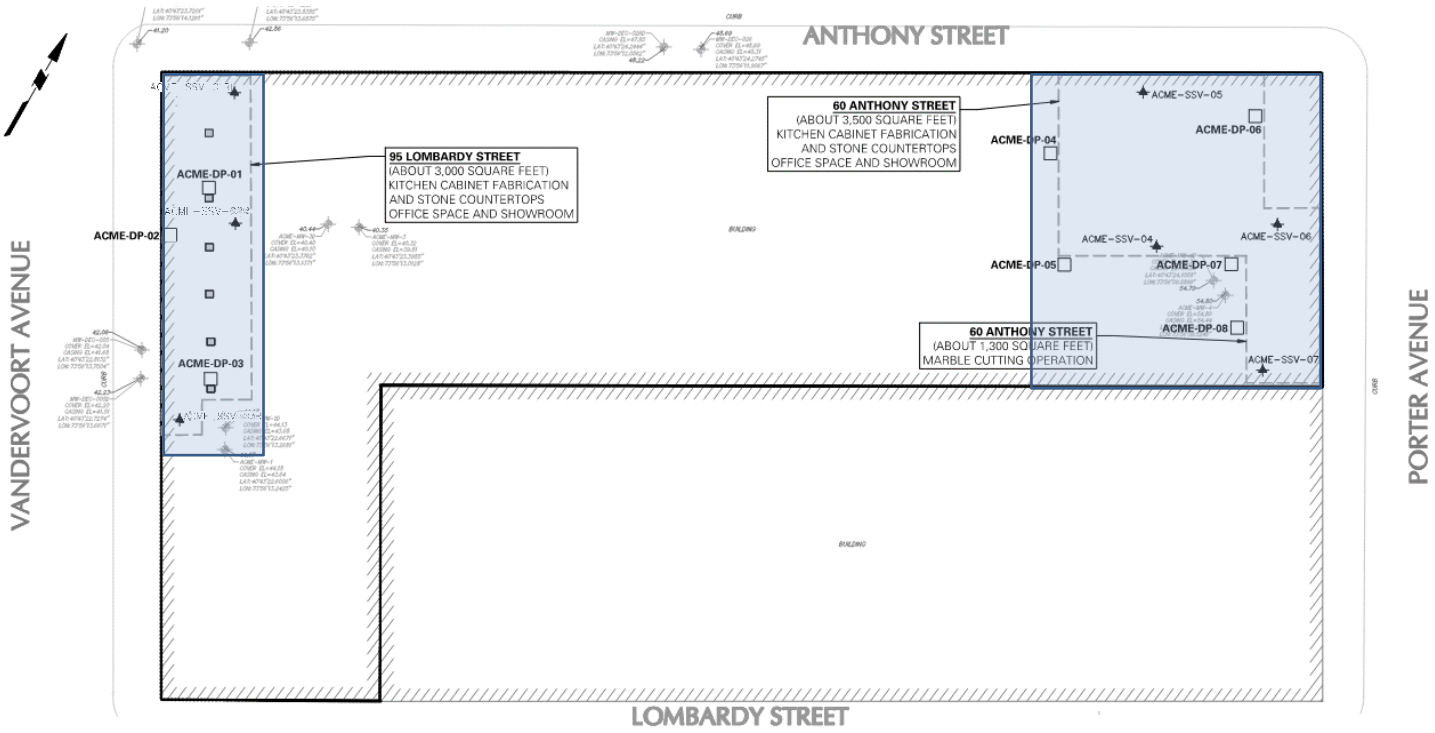
To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Olivia Miller Langan

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	02/05/2024
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 38-44°F
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222			Wind: S @ 15-22 mph
			TIME:	1:45 a.m. to 5:45 p.m.

SITE PLAN



Daily Activities Key:

Work Area

LEGEND:

- SITE BOUNDARY
- TARGET MITIGATION AREAS (CONTINUOUSLY OCCUPIED SPACED)
- ACME-DP-01 — PROPOSED DEPRESSURIZATION PIT AND ROOF PENETRATION
- ACME-SSV-07 — PROPOSED VACUUM MONITORING POINT
- BUILDING COLUMN

Background taken from RDWP Figure 3 – Sub-Slab Depressurization System Layout, with NYSDEC-approved revisions to the locations of SSD pits ACME-DP-05, ACME-DP-07, and ACME-DP-08.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Olivia Miller Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	02/09/2024
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 41-49°F Wind: S @ 10-18 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	10:30 a.m. to 12:30 p.m.

EQUIPMENT:	**PRESENT AT SITE:**
Hand Tools TSI Velocicalc 9565	Langan: Lisa Cristiano and Seyena Simpson [2 hours on site]

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to conduct non-routine maintenance for the sub-slab depressurization (SSD) systems in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved SSD System Operation, Maintenance, and Monitoring (OM&M) Plan, dated November 22, 2023.

Site Activities

- Langan reinstalled vacuum monitoring point (VMP) ACME-SSV-03R with a new sleeve.
- The 95 Lombardy Street SSD system blower was repaired on February 5, 2024. Langan collected confirmatory differential pressure readings and confirmed that the slab within the 95 Lombardy Street target mitigation area is depressurized.

Material Tracking:

- No material was imported to or exported from the site.

Community Air Monitoring Plan (CAMP) Activities:

- The CAMP was not implemented due to lack of soil-intrusive activities.

Sampling Activities:

- No samples were collected.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Lisa Cristiano Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	02/09/2024
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 41-49°F Wind: S @ 10-18 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	10:30 a.m. to 12:30 p.m.

SITE PHOTOGRAPHS:

Photo 1:

View of pressure differential reading collection at SSV-01R at 95 Lombardy Street.

Photo 2:

View of the VMP SSV-03R after the sleeve was reinstalled at 95 Lombardy Street.

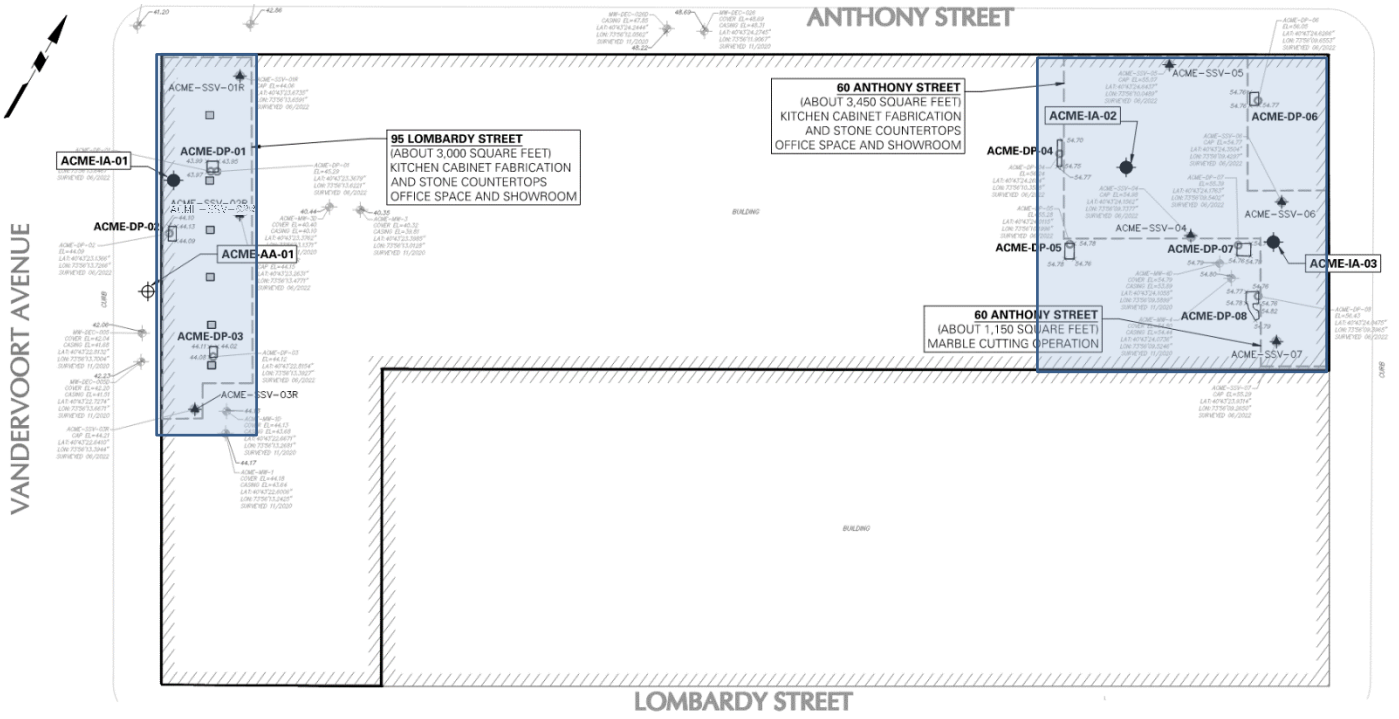
To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Lisa Cristiano Langan

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	02/09/2024
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 41-49°F Wind: S @ 10-18 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	10:30 a.m. to 12:30 p.m.

SITE PLAN



Daily Activities Key:

Work Area

LEGEND:

- SITE BOUNDARY
- TARGET MITIGATION AREAS
- ACME-DP-01 — DEPRESSURIZATION PIT AND ROOF PENETRATION
- VAPOR COLLECTION PIPE TO RISER PIPE CONNECTION
- ACME-SSV-07 — VACUUM MONITORING POINT
- BUILDING COLUMN
- INDOOR AIR SAMPLE LOCATION
- AMBIENT AIR SAMPLE LOCATION

Background taken from Construction Completion Report Figure 2 – As-Built Sub-Slab Depressurization System Layout. Sample locations shown in background figure are for reference only.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Lisa Cristiano Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	05/20/2024
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 57-73°F
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222			Wind: N @ 2 - 5 mph
			TIME:	8:45 a.m. to 1:30 p.m.

EQUIPMENT:	**PRESENT AT SITE:**
Hand Tools	Langan: Ali Reach [4.75 hours on site]

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to conduct non-routine maintenance for the sub-slab depressurization (SSD) systems in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved SSD System Operation, Maintenance, and Monitoring (OM&M) Plan, dated November 22, 2023.

Site Activities

- AWT Environmental Services Inc. (AWT) completed the following maintenance activities for the SSD system at 60 Anthony Street on May 17, 2024:
  - repaired the SSD system blower
  - adjusted the pitch and replaced the insulation on the roof-mounted SSD system piping
- Langan performed the following post-maintenance activities on May 20, 2024:
  - inspected the SSD system blower and the roof-mounted SSD system piping, and increased the speed of the blower
  - used concrete patch to patch surficial cracks in the slab surrounding vapor monitoring point ACME-SSV-05
  - used an air velocity/differential pressure meter and permanent system gauges to collect parameters from the vacuum monitoring points and depressurization pit risers of the SSD system. Langan confirmed that the slab within the 60 Anthony Street target mitigation area is depressurized. System parameters are presented in the tables below:

Location	Vacuum (IWC)	Flow (CFM)
Vacuum Monitoring Points		
ACME-SSV-04	-0.672	N/A
ACME-SSV-05	-0.016	
ACME-SSV-06	-0.125	
ACME-SSV-07	-0.347	
Depressurization Pit Risers		
ACME-DP-04	-3.5	83.95
ACME-DP-05	-3.5	74.3
ACME-DP-06	-4	37.52
ACME-DP-07	-4	41.90
ACME-DP-08	-3.5	56.43

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Ali Reach Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	05/20/2024
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 57-73°F
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222			Wind: N @ 2 - 5 mph
			TIME:	8:45 a.m. to 1:30 p.m.

SITE PHOTOGRAPHS:

Photo 1:

View of the 60 Anthony Street SSD system blower and roof-mounted SSD system piping (facing southeast).

Photo 2:

View of Langan collecting a confirmatory differential pressure reading at vapor monitoring point ACME-SSV-05 at 60 Anthony Street (facing west).

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Ali Reach Langan

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	05/20/2024
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 57-73°F Wind: N @ 2 - 5 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	8:45 a.m. to 1:30 p.m.

SITE PHOTOGRAPHS:

Photo 3:

View of the final condition of the slab surrounding vapor monitoring point ACME-SSV-05 at 60 Anthony Street (facing northwest).

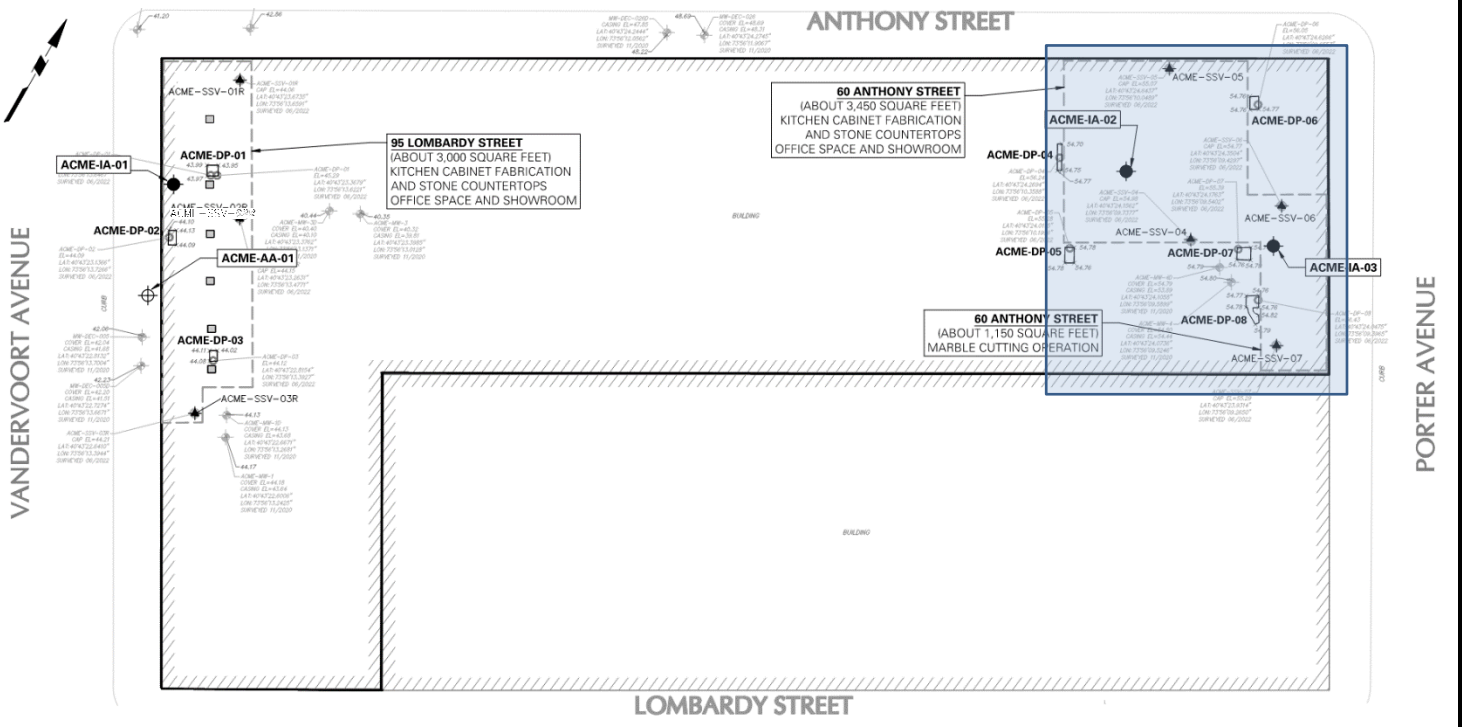
To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Ali Reach Langan

LANGAN

SITE OBSERVATION REPORT

PROJECT No.:	170157201	**CLIENT:**	**DATE:**	05/20/2024
LOCATION:	Brooklyn, NY	Whitehead Company	**WEATHER:**	Sunny, 57-73°F Wind: N @ 2 - 5 mph
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		**TIME:**	8:45 a.m. to 1:30 p.m.

SITE PLAN



Daily Activities Key:

Work Area

LEGEND:

- SITE BOUNDARY
- TARGET MITIGATION AREAS
- ACME-DP-01 — DEPRESSURIZATION PIT AND ROOF PENETRATION
- VAPOR COLLECTION PIPE TO RISER PIPE CONNECTION
- ACME-SSV-07 — VACUUM MONITORING POINT
- BUILDING COLUMN
- INDOOR AIR SAMPLE LOCATION
- AMBIENT AIR SAMPLE LOCATION

Background taken from Construction Completion Report Figure 2 – As-Built Sub-Slab Depressurization System Layout. Sample locations shown in background figure are for reference only.

To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	**By:**	Ali Reach Langan

ATTACHMENT C
LABORATORY REPORT

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kim Nagotko

Report Date: 02/14/2024
Client Project ID: 170157201
York Project (SDG) No.: 24B0240

Report Date: 02/14/2024
Client Project ID: 170157201
York Project (SDG) No.: 24B0240

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kim Nagotko

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 05, 2024 and listed below. The project was identified as your project: **170157201**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24B0240-01	SSD_60A_020524	Vapor Extraction	02/05/2024	02/05/2024
24B0240-02	SSD_95L_020524	Vapor Extraction	02/05/2024	02/05/2024

General Notes for York Project (SDG) No.: 24B0240

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 02/14/2024

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SSD_60A_020524 **York Sample ID:** 24B0240-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:42 pm	02/05/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.0	1.508	EPA TO-15 Certifications:	02/13/2024 18:00	02/14/2024 16:01	VH
71-55-6	**1,1,1-Trichloroethane**	**1.5**		ug/m³	0.82	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.0	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.2	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.82	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.61	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.15	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CCV	ug/m³	1.1	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
95-63-6	**1,2,4-Trimethylbenzene**	**2.0**		ug/m³	0.74	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.2	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.91	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.61	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.70	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.1	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.74	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
106-99-0	1,3-Butadiene	ND		ug/m³	1.0	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.91	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.70	1.508	EPA TO-15 Certifications:	02/13/2024 18:00	02/14/2024 16:01	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.91	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
123-91-1	1,4-Dioxane	ND		ug/m³	1.1	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH
78-93-3	**2-Butanone**	**1.7**		ug/m³	0.44	1.508	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/13/2024 18:00	02/14/2024 16:01	VH

Sample Information

Client Sample ID: SSD_60A_020524 **York Sample ID:** 24B0240-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:42 pm	02/05/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	1.2	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.4	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.62	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**5.9**		ug/m³	0.72	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	**Acrylonitrile**	**3.2**		ug/m³	0.33	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	**Benzene**	**3.5**		ug/m³	0.48	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	0.78	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	1.0	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND		ug/m³	1.6	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.59	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	Carbon disulfide	ND		ug/m³	0.47	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.47**		ug/m³	0.24	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	0.69	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.40	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	Chloroform	ND		ug/m³	0.74	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	**Chloromethane**	**2.3**		ug/m³	0.31	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.15	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.68	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	Cyclohexane	ND		ug/m³	0.52	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	1.3	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**3.5**		ug/m³	0.75	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
141-78-6	* Ethyl acetate	ND		ug/m³	1.1	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:			

Sample Information

Client Sample ID: SSD_60A_020524 **York Sample ID:** 24B0240-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:42 pm	02/05/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**0.98**		ug/m³	0.65	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
87-68-3	Hexachlorobutadiene	ND	TO-CCV, TO-LCS-L	ug/m³	1.6	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
67-63-0	**Isopropanol**	**2.0**	B	ug/m³	1.9	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.62	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.54	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-09-2	Methylene chloride	ND		ug/m³	1.0	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
142-82-5	n-Heptane	ND		ug/m³	0.62	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
110-54-3	**n-Hexane**	**0.53**		ug/m³	0.53	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
95-47-6	**o-Xylene**	**0.92**		ug/m³	0.65	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
179601-23-1	**p- & m- Xylenes**	**2.2**		ug/m³	1.3	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.74	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:			
115-07-1	*** Propylene**	**2.4**		ug/m³	0.26	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:			
100-42-5	**Styrene**	**7.6**		ug/m³	0.64	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
127-18-4	**Tetrachloroethylene**	**160**		ug/m³	1.0	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.89	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:			
108-88-3	**Toluene**	**3.9**		ug/m³	0.57	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.60	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.68	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
79-01-6	**Trichloroethylene**	**2.6**		ug/m³	0.20	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.5**		ug/m³	0.85	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
108-05-4	Vinyl acetate	ND		ug/m³	0.53	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			

Sample Information

Client Sample ID: SSD_60A_020524 **York Sample ID:** 24B0240-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:42 pm	02/05/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m³	0.66	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-01-4	Vinyl Chloride	ND		ug/m³	0.19	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: SSD_95L_020524 **York Sample ID:** 24B0240-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:55 pm	02/05/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.2	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**6.2**		ug/m³	0.93	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.93	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.69	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.17	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CCV	ug/m³	1.3	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.84	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.69	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.79	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.84	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.79	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**2.2**		ug/m³	0.50	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:			

Sample Information

Client Sample ID: SSD_95L_020524 **York Sample ID:** 24B0240-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:55 pm	02/05/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	2.7	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.70	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**17**		ug/m³	0.81	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	**Acrylonitrile**	**0.48**		ug/m³	0.37	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	**Benzene**	**0.76**		ug/m³	0.54	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	0.88	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND		ug/m³	1.8	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.66	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	Carbon disulfide	ND		ug/m³	0.53	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.43**		ug/m³	0.27	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	0.78	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.45	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	**Chloroform**	**1.8**		ug/m³	0.83	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	**Chloromethane**	**1.9**		ug/m³	0.35	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	**cis-1,2-Dichloroethylene**	**1.6**		ug/m³	0.17	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.77	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	Cyclohexane	ND		ug/m³	0.59	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	1.5	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**3.8**		ug/m³	0.84	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.89**		ug/m³	0.74	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: SSD_95L_020524 **York Sample ID:** 24B0240-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:55 pm	02/05/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND	TO-CCV, TO-LCS-L	ug/m³	1.8	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	Isopropanol	ND		ug/m³	2.1	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.70	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.61	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	Methylene chloride	ND		ug/m³	1.2	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-82-5	n-Heptane	ND		ug/m³	0.70	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	n-Hexane	ND		ug/m³	0.60	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	**o-Xylene**	**1.4**		ug/m³	0.74	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	**p- & m- Xylenes**	**3.6**		ug/m³	1.5	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.84	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.29	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:			
100-42-5	**Styrene**	**1.2**		ug/m³	0.73	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	**Tetrachloroethylene**	**400**		ug/m³	1.2	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	*** Tetrahydrofuran**	**1.3**		ug/m³	1.0	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:			
108-88-3	**Toluene**	**3.3**		ug/m³	0.64	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.68	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.77	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	**Trichloroethylene**	**290**		ug/m³	0.23	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.5**		ug/m³	0.96	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-05-4	Vinyl acetate	ND		ug/m³	0.60	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	0.75	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: SSD_95L_020524 **York Sample ID:** 24B0240-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:55 pm	02/05/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.22	1.705	EPA TO-15	02/13/2024 18:00	02/14/2024 17:03	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Analytical Batch Summary

Batch ID: BB40871 **Preparation Method:** EPA TO15 PREP **Prepared By:** VH

YORK Sample ID	Client Sample ID	Preparation Date
24B0240-01	SSD_60A_020524	02/13/24
24B0240-02	SSD_95L_020524	02/13/24
BB40871-BLK1	Blank	02/13/24
BB40871-BS1	LCS	02/13/24

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40871 - EPA TO15 PREP											
Blank (BB40871-BLK1) Blank									Prepared: 02/13/2024 Analyzed: 02/14/2024		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	1.0	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	0.81	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40871 - EPA TO15 PREP											
Blank (BB40871-BLK1) Blank									Prepared: 02/13/2024 Analyzed: 02/14/2024		
n-Hexane	ND	0.35	ug/m³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BB40871-BS1) LCS									Prepared & Analyzed: 02/13/2024		
1,1,1,2-Tetrachloroethane	8.66		ppbv	10.0		86.6	70-130				
1,1,1-Trichloroethane	8.48		"	10.0		84.8	70-130				
1,1,2,2-Tetrachloroethane	8.62		"	10.0		86.2	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.07		"	10.0		90.7	70-130				
1,1,2-Trichloroethane	8.14		"	10.0		81.4	70-130				
1,1-Dichloroethane	8.76		"	10.0		87.6	70-130				
1,1-Dichloroethylene	9.30		"	10.0		93.0	70-130				
1,2,4-Trichlorobenzene	7.38		"	10.0		73.8	70-130				
1,2,4-Trimethylbenzene	8.18		"	10.0		81.8	70-130				
1,2-Dibromoethane	7.88		"	10.0		78.8	70-130				
1,2-Dichlorobenzene	7.50		"	10.0		75.0	70-130				
1,2-Dichloroethane	8.80		"	10.0		88.0	70-130				
1,2-Dichloropropane	8.56		"	10.0		85.6	70-130				
1,2-Dichlorotetrafluoroethane	10.7		"	10.0		107	70-130				
1,3,5-Trimethylbenzene	7.85		"	10.0		78.5	70-130				
1,3-Butadiene	10.4		"	10.0		104	70-130				
1,3-Dichlorobenzene	7.83		"	10.0		78.3	70-130				
1,3-Dichloropropane	8.09		"	10.0		80.9	70-130				
1,4-Dichlorobenzene	7.70		"	10.0		77.0	70-130				
1,4-Dioxane	7.77		"	10.0		77.7	70-130				
2-Butanone	8.07		"	10.0		80.7	70-130				
2-Hexanone	8.77		"	10.0		87.7	70-130				
3-Chloropropene	11.0		"	10.0		110	70-130				
4-Methyl-2-pentanone	9.13		"	10.0		91.3	70-130				
Acetone	9.13		"	10.0		91.3	70-130				
Acrylonitrile	8.18		"	10.0		81.8	70-130				
Benzene	8.02		"	10.0		80.2	70-130				
Benzyl chloride	9.23		"	10.0		92.3	70-130				
Bromodichloromethane	8.62		"	10.0		86.2	70-130				
Bromoform	8.00		"	10.0		80.0	70-130				
Bromomethane	9.13		"	10.0		91.3	70-130				
Carbon disulfide	7.60		"	10.0		76.0	70-130				
Carbon tetrachloride	9.28		"	10.0		92.8	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40871 - EPA TO15 PREP											
LCS (BB40871-BS1) LCS								Prepared & Analyzed: 02/13/2024			
Chlorobenzene	8.57		ppbv	10.0		85.7	70-130				
Chloroethane	9.53		"	10.0		95.3	70-130				
Chloroform	8.67		"	10.0		86.7	70-130				
Chloromethane	10.2		"	10.0		102	70-130				
cis-1,2-Dichloroethylene	7.99		"	10.0		79.9	70-130				
cis-1,3-Dichloropropylene	8.23		"	10.0		82.3	70-130				
Cyclohexane	9.83		"	10.0		98.3	70-130				
Dibromochloromethane	7.55		"	10.0		75.5	70-130				
Dichlorodifluoromethane	9.87		"	10.0		98.7	70-130				
Ethyl acetate	8.20		"	10.0		82.0	70-130				
Ethyl Benzene	8.89		"	10.0		88.9	70-130				
Hexachlorobutadiene	6.76		"	10.0		67.6	70-130	Low Bias			
Isopropanol	8.24		"	10.0		82.4	70-130				
Methyl Methacrylate	9.69		"	10.0		96.9	70-130				
Methyl tert-butyl ether (MTBE)	8.81		"	10.0		88.1	70-130				
Methylene chloride	8.62		"	10.0		86.2	70-130				
n-Heptane	11.5		"	10.0		115	70-130				
n-Hexane	13.6		"	10.0		136	70-130	High Bias			
o-Xylene	8.64		"	10.0		86.4	70-130				
p- & m- Xylenes	17.9		"	20.0		89.4	70-130				
p-Ethyltoluene	8.92		"	10.0		89.2	70-130				
Propylene	9.05		"	10.0		90.5	70-130				
Styrene	8.26		"	10.0		82.6	70-130				
Tetrachloroethylene	11.5		"	10.0		115	70-130				
Tetrahydrofuran	8.98		"	10.0		89.8	70-130				
Toluene	7.87		"	10.0		78.7	70-130				
trans-1,2-Dichloroethylene	8.86		"	10.0		88.6	70-130				
trans-1,3-Dichloropropylene	8.12		"	10.0		81.2	70-130				
Trichloroethylene	8.63		"	10.0		86.3	70-130				
Trichlorofluoromethane (Freon 11)	9.36		"	10.0		93.6	70-130				
Vinyl acetate	7.51		"	10.0		75.1	70-130				
Vinyl bromide	9.11		"	10.0		91.1	70-130				
Vinyl Chloride	10.9		"	10.0		109	70-130				

Sample and Data Qualifiers Relating to This Work Order

TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 24B0240

YOUR Information	Report To:	Invoice To:
Company: Langan Engineering	Company: SAME	Company: SAME
Address: 360 W31st St 8th Fl New York NY 10001	Address:	Address:
Phone.: 212-479-5400	Phone.:	Phone.:
Contact: Kimberly Magotko	Contact:	Contact:
E-mail: kmagotko@langan.com	E-mail:	E-mail:

YOUR Project Number: 170157201

YOUR Project Name: Acme Site 224 132 46 Smithtown Rd Lonbardy

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Olivia Miller

Samples Collected by: (print your name above and sign below)

Air Matrix Codes

AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From

New York	✓
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
Other:		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SSD-60A-020524	2/5/24; 15:42	AE	-30.00	-5.00	48319	—	To-15 VOCs
SSD-95L-020524	2/5/24; 15:55	AE	-30.00	-6.00	10043	—	To-15 VOCs

Comments: Please cc datamanagement@langan.com and cgrottan@langan.com

Detection Limits Required

≤ 1 ug/m³ ___ NYSDEC V1 Limits ___
Routine Survey ___ Other ___

Sampling Media

6 Liter Canister	
Tedlar Bag	

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Olivia Miller of Langan	2/5/24 16:22	Raman Diwan	2/5/24 16:22	Raman Diwan	2/5/24
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				02100	2/24 1240

ATTACHMENT D
DER-31 EVALUATION

LANGAN

DER-31 EVALUATION

The New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER)-31 Green Remediation Policy requires that green remediation concepts and techniques be considered during all stages of the remedial program (including site management), with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section provides a discussion and evaluation of environmental impacts associated with operation, maintenance, and monitoring (OM&M) activities for during the 2023 reporting period, and a summary of green remediation goals for the 2024 reporting period.

Green remediation principles and techniques were implemented to the extent feasible in the OM&M phase of the remedy as per DER-31. The green remediation components evaluated were as follows:

- Waste Generation
- Energy Usage
- Emissions
- Water Usage
- Land and/or Ecosystems

A summary of remediation goals for the 2024 reporting period is provided at the end of the section.

Waste Generation

Waste generation considers the management of waste associated with OM&M activities and any waste reduction projects including, but not limited to, material reuse and recycling. For the sub-slab depressurization (SSD) systems, minimal waste (less than 10 feet of tubing and less than one box of disposable gloves) is generated and electronic means of data collection (i.e., tablets) are used to reduce paper consumption during annual performance monitoring events and OM&M activities. Non-routine maintenance events may produce additional waste if system components (i.e., blower parts or entire blowers) require replacement, as will be the case during the 2024 reporting period.

Energy Usage

Energy usage considers the electrical usage for operation of remedial systems and site lighting needed for OM&M activities. The SSD systems are powered using the municipal grid, and therefore are subject to local energy supply means. It is anticipated that this system uses a total of 9,000 kilowatt hours of energy per year.

To reduce energy usage, site inspections are combined where feasible (i.e., field personnel completing tasks for nearby remediation sites may conduct OM&M activities for the site during

the same workday). Combining site inspections reduces the amount of equipment (i.e., air velocity meter, photoionization detector, etc.) needed for OM&M activties and therefore reduces the amount of energy used for equipment charging.

Emissions

Emissions tracking considers the vapor-phase remedial system emissions, fuel usage for transportation to and from the site for inspections and/or sampling, and operation of gas-powered generators, etc. The post-mitigation effluent vapor sampling was conducted during the 2024 reporting period; vapor-phase remedial system emissions will be summarized in the Annual MMR for 2024 along with the post-mitigation effluent vapor sampling results.

Fuel usage is required for transportation of personnel to and from the site, and transportation associated with screening/sampling equipment. During the 2023 reporting period, fuel usage was required for operation and maintenance of the SSD as follows:

- Langan personnel: Originating at the Langan office in NYC, two trips to/from the site were conducted for annual performance monitoring inspections and non-routine maintenance events.
- AWT technician: Originating the AWT office in Old Bridge, New Jersey, two trips to/from the site were conducted for non-routine maintenance events.
- Screening/sampling equipment: Originating at the Pine Environmental Services LLC office in Windsor, NJ, two trips to/from the Langan office in NYC or the site were conducted for transportation of screening/sampling equipment used during annual performance monitoring inspections.

Water Usage

Water usage considers sources of water for tasks such as decontamination, irrigation, etc. There is no direct water consumption needed for operation of the SSD systems.

Land and/or Ecosystems

Land and/or ecosystems considers any disturbances and restoration of land and/or ecosystems as part of the implementation/operation of the remedy. No disturbances or restoration of land and/or ecosystems are required as part of OM&M activities.

Goals for OM&M Activities in 2024

While future development associated with the site's remedial program is not anticipated, goals for the project to incorporate green remediation principles and techniques include:

- Continued focus on reducing sampling-related waste and use of non-disposable supplies as often as possible;
- Use of public transit by personnel when possible;
- Use of in-house equipment and supplies to prevent indirect fuel usage by third-party

delivery drivers; and

- Tracking of detailed green remediation components to generate an environmental footprint analysis for the 2024 reporting period.

Langan will continue to evaluate green remediation concepts and techniques for inclusion in site management, with the goal of improving the sustainability of the cleanup and OM&M activities.