SITE OBSERVATION REPORT - RAWP Implementation – Day 141

LANGAN

PROJECT No.:	170390001	**CLIENT:**	**DATE:**	Monday, February 2, 2026	
PROJECT:	141 3rd Street	Third Street Owner LLC and 155 Third St., LLC	**WEATHER:**	Sunny, 12 – 32^{0}F Wind: WNW @ 0.6 – 4.7 mph	
LOCATION:	Brooklyn, New York		**TIME:**	6:45 a.m. – 4:00 pm	
BCP SITE ID:	C224336				

EQUIPMENT:
(1) Hyundai HX 520L Hydraulic Excavator
(1) Volvo ECR355EL Hydraulic Excavator
(1) Soilmec SR-75 Drill Rig
(1) Leibherr LRB 355.1 Drill Rig
(1) Cammachio MC 22 Drill Rig
(1) FES Drill Rig
(2) Aeroqual Air Monitoring Stations
(1) MiniRAE 3000 Photoionization Detector (PID)
Hand Tools

PRESENT AT SITE:
Langan: Jessie Almont, Helen Hulka
New Leaf: Jose Gomez
Monadnock Construction, Inc. (Monadnock): Bob Hempfling
Mueser Rutledge Consulting Engineers (MRCE): Amani Calderon
Bauer Structures: Brendan Dooley
WSP: Christopher DiSclafani

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:
Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Action Work Plan (RAWP) dated 12 December 2023 and the Source Removal Work Plan dated 02 October 2025.

Site Activities

- New Leaf used a Liebherr LRB 355.1 drill rig to advance 48-inch-diameter steel casings and a 42-inch-diameter auger to extract soil/fill at the following Column Nos.:
    - *SR-017:* Soil/fill was periodically extracted from surface grade to 29 feet below grade surface [bgs] (corresponding to elevation[1] [el] 7.2 and el -23, respectively). Following soil/fill extraction, the auger was retracted, and the casings were left in-place. Flowable fill was placed from el -23 to el -2.16 (the mean low water level). The column is in progress and imported ASTM #3 is anticipated to be backfilled to surface grade tomorrow.
    - *SR-019:* Soil/fill was periodically extracted from about 25 feet bgs to 30 feet bgs (corresponding to el -18 and el -23, respectively). Flowable fill was placed from el -23 to el -2.16 (the mean low water level). The column is in progress and imported ASTM #3 is anticipated to be backfilled to surface grade tomorrow.
    - Extracted soil/fill was temporarily staged on polyethylene (poly) sheeting adjacent to each work area. Langan screened the extracted soil/fill for evidence of environmental impacts using visual, olfactory, and instrumental (PID) methods. A faint petroleum-like odor was observed and a maximum PID reading of 8.5 parts per million (ppm) was recorded. New Leaf applied ATMOS AC645 odor/vapor suppressing foam to exposed soil/fill during extraction and stockpiling.
    - New Leaf relocated the extracted soil/fill to the designated spoils staging area in the eastern part of the site. The soil/fill was stockpiled on and covered with secured poly sheeting, pending future off-site disposal to a designated facility.

[1] Elevations herein are referenced to the North American Vertical Datum of 1988 (NAVD88).

- New Leaf advanced and installed three displacement piles (pile ID 413 to about 65 feet bgs, pile ID 400 to about 70 feet bgs, and pile ID 480 to 73 feet bgs) in the northern and southwestern parts of the site.
    - Less than one cubic yard of drilling spoils was generated during displacement pile installation and were temporarily staged adjacent to the work area. Langan screened the drilling spoils for odors, staining, and organic vapors using a PID. No evidence of impacts was observed. The drilling spoils will be removed and stockpiled during future excavation around the piles.
    - New Leaf used a tremie pipe to place grout within the displacement piles. Excess grout will be stockpiled and managed as construction and demolition (C&D) debris at a later date.
- New Leaf advanced a continuous flight auger to about 30 feet bgs in the eastern part of site in order to pre-drill one displacement pile (pile ID 444) within the In-Situ Stabilization (ISS) monolith.
    - Spoils generated during drilling were placed on and covered with poly sheeting at the end of the workday. Langan screened the drilling spoils for odors, staining, and organic vapors using a PID. No evidence of impacts was observed.
    - New Leaf will use the Soilmec SR-75 drill rig and tremie pipe to advance and install the pile at a later date.
- A representative from WSP conducted a site visit on behalf of the NYSDEC. No adverse conditions were noted as a result of the site visit.

Sampling

- No samples were collected.

Community Air Monitoring Plan (CAMP) Activities

- Langan performed continuous air monitoring for volatile organic compounds (VOC) and particulate matter smaller than 10 microns in diameter (PM10) using two perimeter air monitoring stations at upwind and downwind locations. The PM10 and VOC action levels were not exceeded during the monitoring period. Recorded air monitoring data is presented on the CAMP summary data sheet appended to the end of this Daily Field Report.

Material Tracking

- Bauer Structures exported 5 truckloads (100 CY) of non-hazardous contaminated soil/urban fill to Clean Earth of New Castle located in New Castle, DE.
- New Leaf imported one truckload (24.79 tons) of ASTM #3 Virgin Stone (1.5-Inch) from Tilcon – Haverstraw located in Haverstraw, NY.

Material Import Summary				
Facility	**NYSDEC Approved Quantity**	**Imported**	**Today**	**Total**
Tilcon - Haverstraw Haverstraw, NY ASTM #3 Virgin Stone (1.5-Inch)	400 CY (560 tons)	**No. Loads**	1	**10**
		Quantity (tons)	24.79	**223.94**
Impact Materials Jersey City (IMJC) Jersey City, NJ 0.75-inch Stone	2,000 CY (2,800 tons)	**No. Loads**	0	**0**
		Quantity (tons)	0	**0**
IMJC Jersey City, NJ 1.5-inch Stone	400 CY (560 tons)	**No. Loads**	0	**2**
		Quantity (tons)	0	**49.65**

Material Export Summary				
Facility	**Approved Quantity**	**Exported**	**Today**	**Total**
Clean Earth of Carteret (CEC) Carteret, NJ Elevated Soil/Fill	9,857 CY (13,800 tons)	**No. Loads**	0	**72**
		Quantity (CY)	0	**1,440**
Clean Earth of New Castle (CENC) New Castle, DE Non-Hazardous Contaminated Soil/Urban Fill	3,571 CY (5,000 tons)	**No. Loads**	5	**25**
		Quantity (CY)	100	**500**
Atlantic County Utilities Authority (ACUA) Egg Harbor Township, NJ Non-Hazardous Contaminated Soil/Urban Fill	714 CY (1,000 tons)	**No. Loads**	0	**0**
		Quantity (CY)	0	**0**
Clean Earth of North Jersey (CENJ) Kearny, NJ Hazardous Lead	107 CY (150 tons)	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Clean Earth of North Jersey (CENJ) Kearny, NJ Non-hazardous timber	20 CY	**No. Loads**	0	**1**
		Quantity (CY)	0	**20**

Drums

- One 55-gallon drum containing truck wash water is staged in the central part of the site.

Anticipated Activities

- New Leaf will continue drilling displacement piles.
- New Leaf will continue source removal.
- Bauer Structures will continue excavation.

SITE PHOTOGRAPHS:



Photo 1: New Leaf extracting soil/fill in the northeast part of site (facing south).



Photo 2: New Leaf spraying Atmos® AC-645 odor/vapor suppressing foam on excavated soil/fill in the eastern part of the site (facing north).

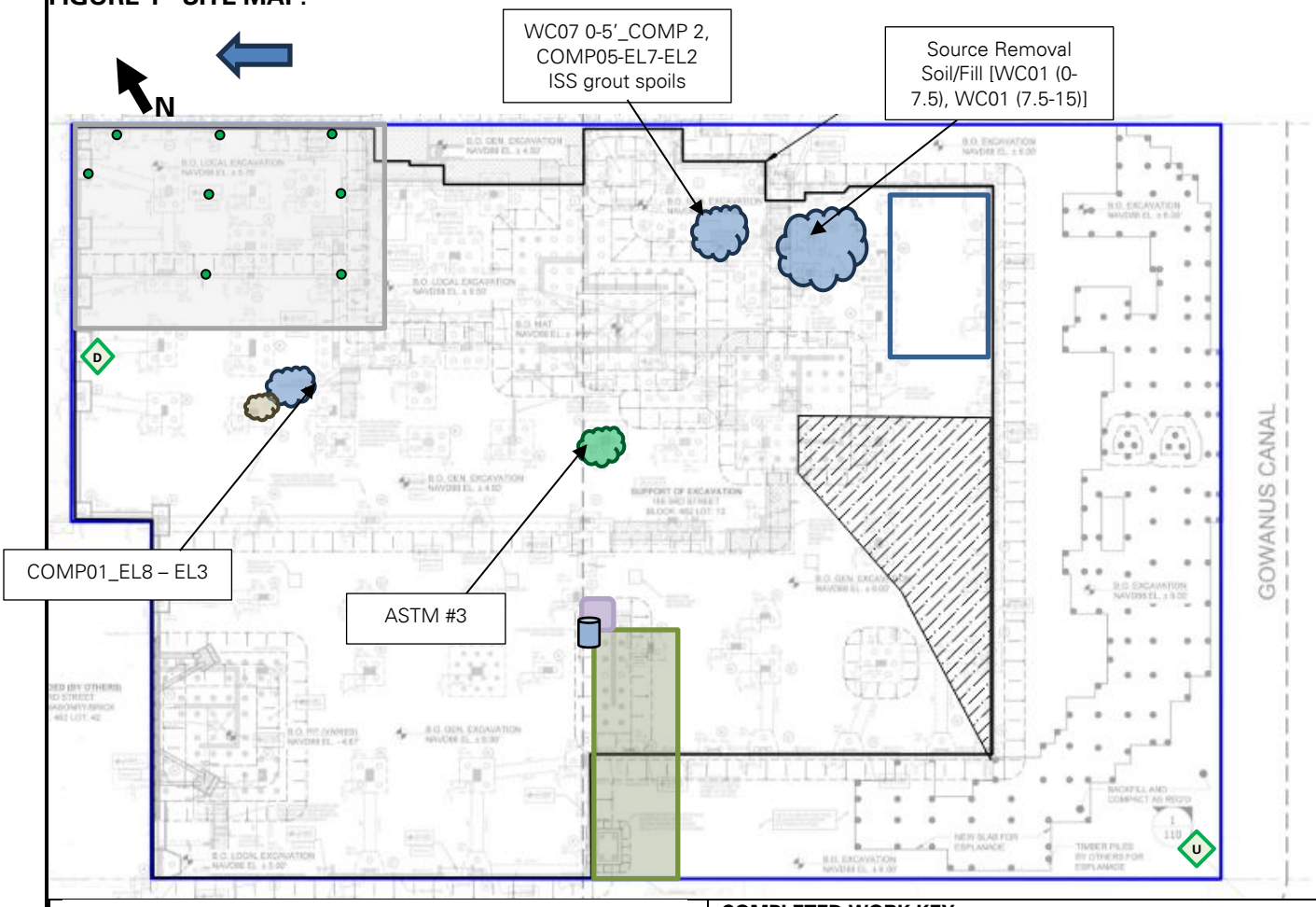


Photo 3: New Leaf backfilling SR-019 with flowable fill (facing southwest).



Photo 4: New Leaf loading a truck with soil/fill for off-site disposal (facing southwest).

FIGURE 1 - SITE MAP:



LEGEND:

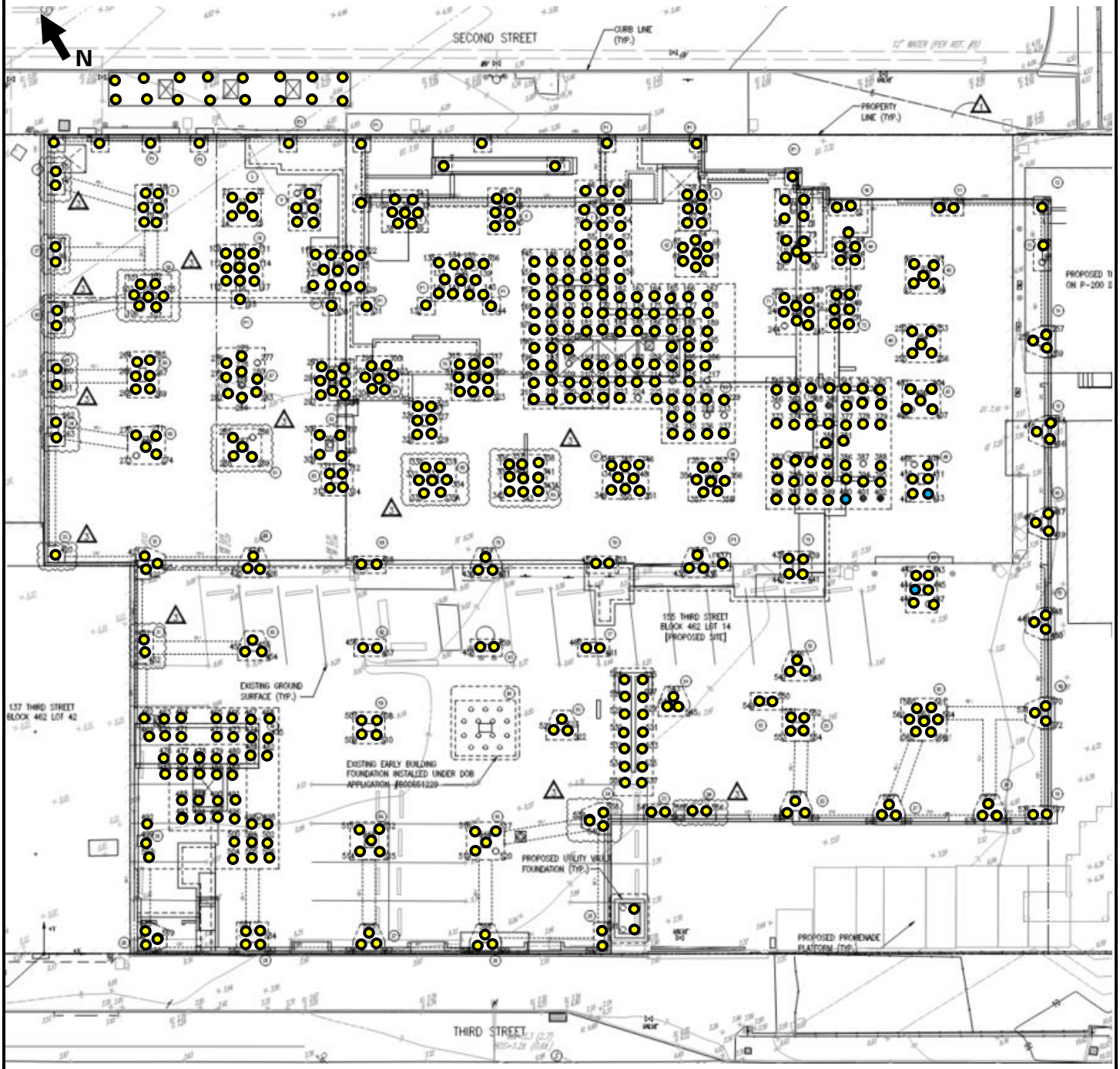
- APPROXIMATE SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- APPROXIMATE PROPOSED EXTENT OF ISS AREA TO BE EXCAVATED TO 4 FEET BGS (EL. 3.5± FEET NAVD88)

Base map includes Figure 5 – Pre-ISS Excavation Plan from the NYSDEC-approved RDD for ISS, prepared by Langan Engineering, dated 4/5/2024

COMPLETED WORK KEY

- Approximate work area
- Approximate excavation area
- Approximate previous excavation area
- Approximate location of documentation sample collected today
- Approximate location of previously collected documentation sample
- Approximate location of upwind CAMP station
- Approximate location of downwind CAMP station
- Approximate location of truck wash drum
- Approximate wind direction
- Stockpiled soil/fill
- Stockpiled C&D debris
- Stockpiled imported stone
- Temporary stabilized construction entrance
- Truck wash catch basin

FIGURE 2 – DISPLACEMENT PILE PLAN:

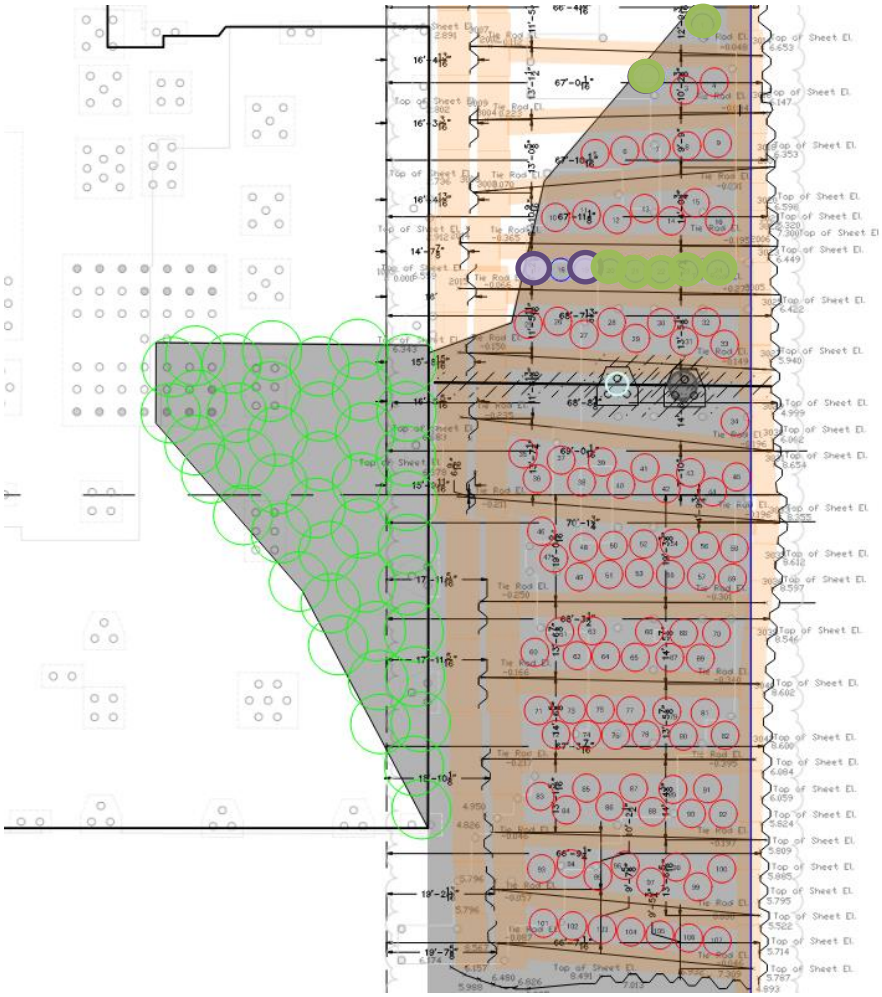


COMPLETED WORK KEY

- Approximate Location of Displacement Pile Advanced Today
- Approximate Location of Displacement Pile Advanced Previously

Base map includes Drawing P100 – Full Displacement Pile (FDP) ID, prepared by Mueser Rutledge Consulting Engineers PLLC, dated 8/18/2025

FIGURE 3 – SOURCE REMOVAL PLAN:



LEGEND:

- APPROXIMATE SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- APPROXIMATE EXTENT OF MANUFACTURED GAS PLANT WASTE IMPACTS FROM EL -19 TO -23
- APPROXIMATE LOCATION OF ISS COLUMNS
- APPROXIMATE EXTENT OF THE BUFFER ZONE
- # APPROXIMATE 60-INCH DIAMETER CASING
- # APPROXIMATE 48-INCH DIAMETER CASING
- APPROXIMATE LOCATION OF HYDRODYNAMIC SEPARATOR TANK AND ASSOCIATED PILES/PILE CAP
- APPROXIMATE LOCATION OF MANHOLE AND ASSOCIATED PILES/PILE CAP
- APPROXIMATE LOCATION OF OUTFALL PIPE AND PILE CAP WITH BUFFER ZONE

COMPLETED WORK KEY

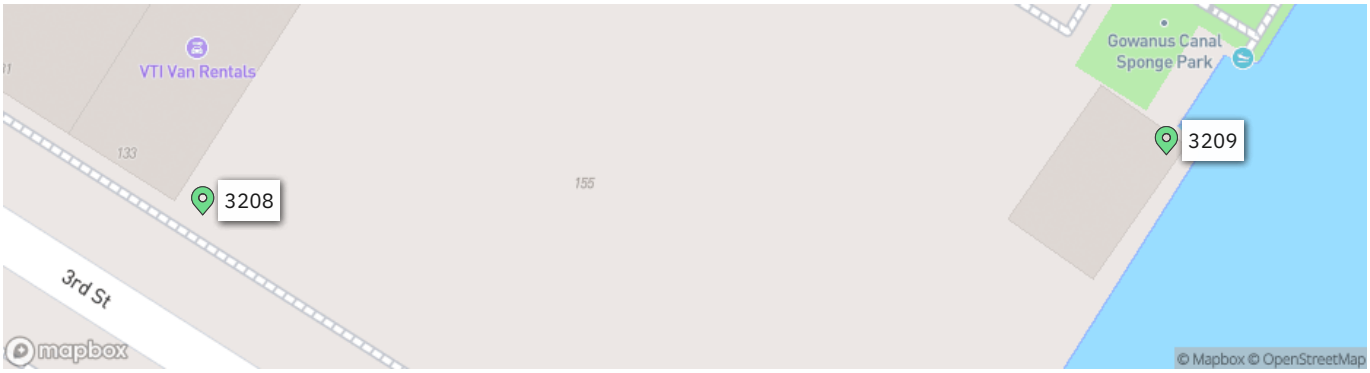
- Approximate location of completed source removal column
- Approximate location of source removal column in progress

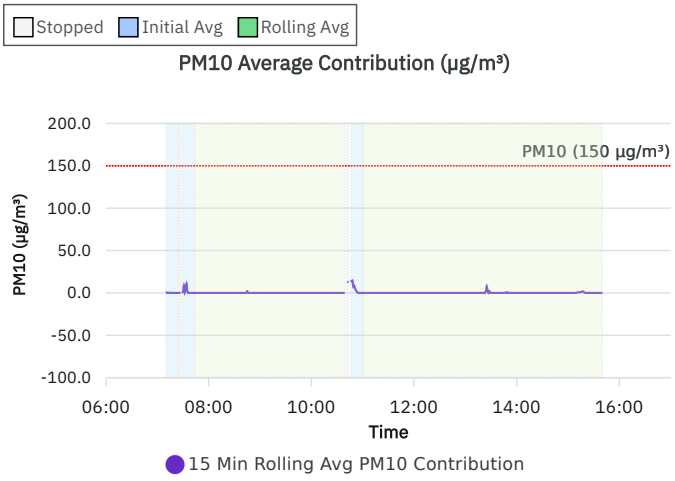
Base map includes Figure 2 – Source Removal Plan from the NYSDEC-approved Source Removal Work Plan, prepared by Langan Engineering, dated 10/02/2025

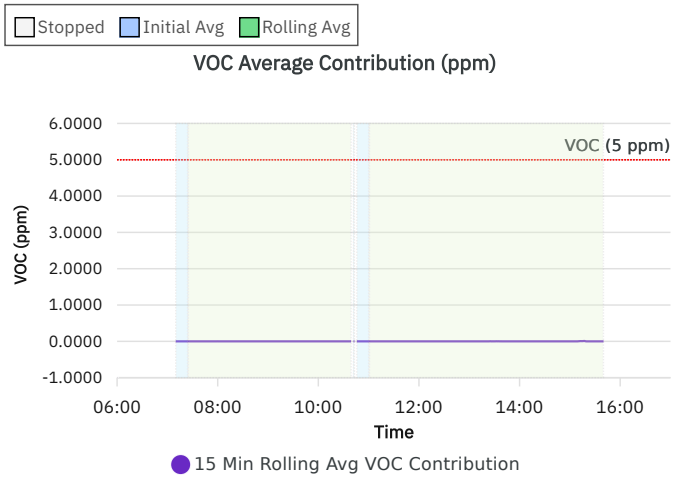
LANGAN	Site Contribution Report	170390002 - 155 3rd St Brooklyn	
		Report Period	
		From:	02/02/2026 06:00
		To:	02/02/2026 17:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Temp (°F)	Relative Humidity (%)	Barometer (inHg)	Wind Speed (mph)	Prevailing Wind Direction
02/02/2026	15.3 - 39.6	31.9 - 56.9	30.1 - 30.1	0.6 - 4.7	ESE

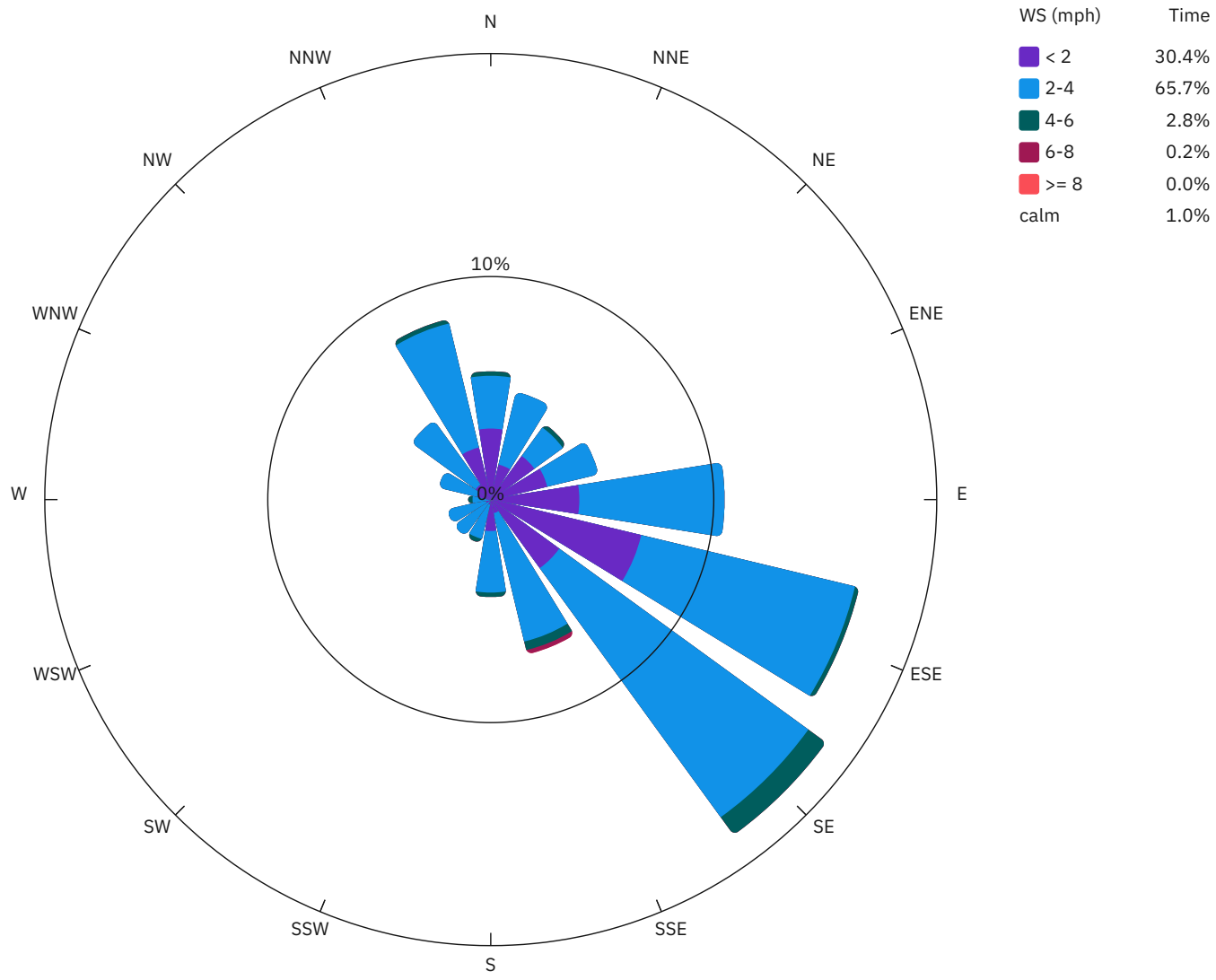
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 2/2/2026	0.0	07:45	0.0000	07:15
Max Contribution (15 min avg.) - 2/2/2026	2.0	08:45	0.0060	15:15
Daily Avg. Contribution (15 min avg.) - 2/2/2026	0.1	-	0.0002	-



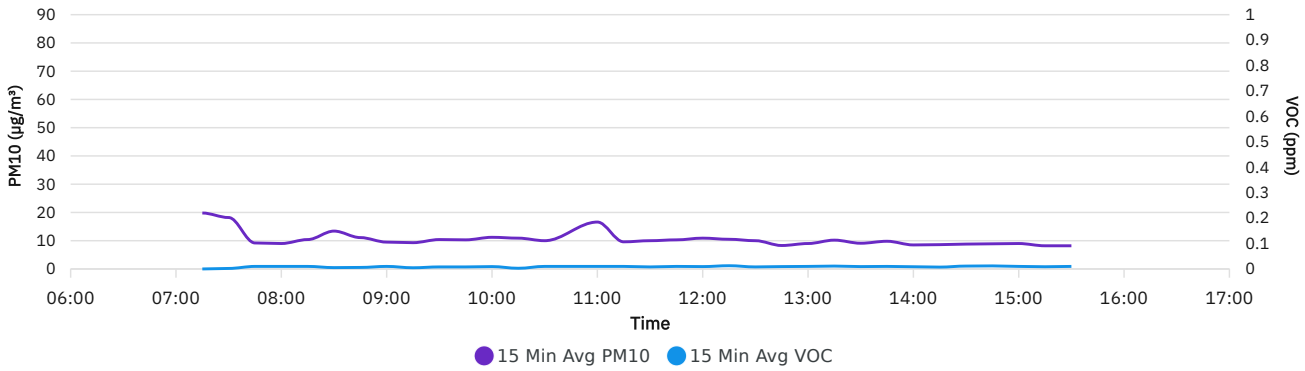




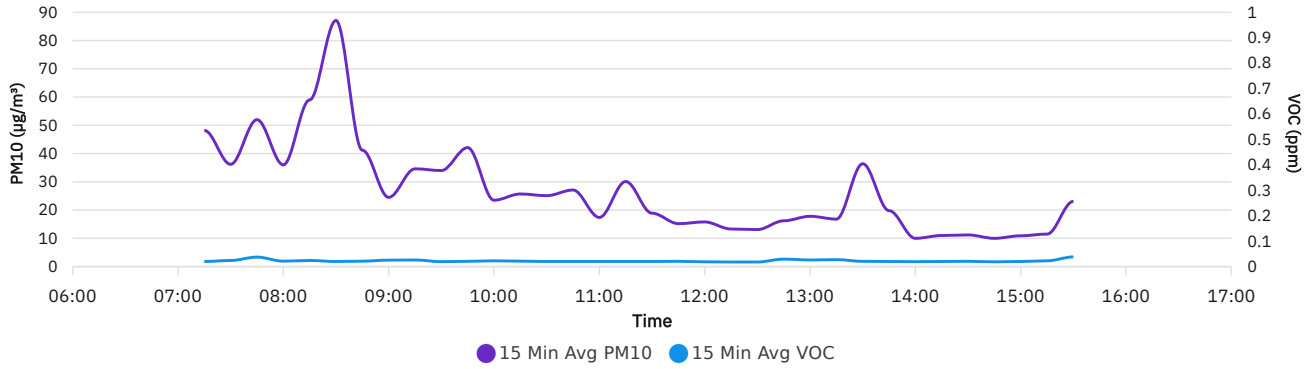
Wind rose (mph)



3208



3209


90
80
70
60
50
40
30
20
10
0
PM10 (µg/m³)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
VOC (ppm)
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
Time
15 Min Avg PM10
15 Min Avg VOC

DER-10 Summary: 15 Min Rolling Avg Data

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed	Wind Direction
2/2/2026 07:15	33.7	33.8	0.2	0.0100	0.0100	0.0000	0.7	SE
2/2/2026 07:30	19.6	21.1	1.4	0.0180	0.0080	0.0000	0.6	SSE
2/2/2026 07:45	42.5	18.7	0.0	0.0300	0.0173	0.0000	1.0	SE
2/2/2026 08:00	22.9	22.1	0.0	0.0153	0.0160	0.0007	1.5	S
2/2/2026 08:15	47.4	22.0	0.0	0.0200	0.0140	0.0000	1.5	SE
2/2/2026 08:30	69.1	31.5	0.0	0.0180	0.0073	0.0000	1.6	SE
2/2/2026 08:45	25.1	27.2	2.0	0.0147	0.0127	0.0000	0.7	SE
2/2/2026 09:00	23.5	10.5	0.0	0.0247	0.0107	0.0000	2.0	ESE
2/2/2026 09:15	33.1	10.8	0.0	0.0247	0.0060	0.0000	1.8	SE
2/2/2026 09:30	34.0	10.4	0.0	0.0193	0.0080	0.0000	2.2	SE
2/2/2026 09:45	32.9	19.5	0.0	0.0167	0.0120	0.0000	1.2	ESE
2/2/2026 10:00	21.2	13.5	0.0	0.0200	0.0120	0.0000	1.2	SE
2/2/2026 10:15	22.4	14.2	0.0	0.0173	0.0067	0.0000	1.8	ESE
2/2/2026 10:30	21.7	13.5	0.0	0.0180	0.0120	0.0000	1.4	ESE
2/2/2026 10:45							1.7	SE
2/2/2026 11:00	18.3	15.6	0.0	0.0193	0.0107	0.0000	1.9	ESE
2/2/2026 11:15	21.8	17.9	0.0	0.0167	0.0133	0.0000	0.7	ENE
2/2/2026 11:30	16.5	12.4	0.0	0.0167	0.0113	0.0000	1.3	NE
2/2/2026 11:45	14.0	11.5	0.0	0.0173	0.0133	0.0000	0.9	E
2/2/2026 12:00	14.6	12.1	0.0	0.0160	0.0120	0.0000	1.2	E
2/2/2026 12:15	13.0	10.7	0.0	0.0180	0.0127	0.0000	1.8	SE
2/2/2026 12:30	11.9	11.2	0.0	0.0133	0.0127	0.0000	0.6	ENE
2/2/2026 12:45	14.8	9.8	0.0	0.0253	0.0133	0.0000	1.3	ESE
2/2/2026 13:00	16.7	10.2	0.0	0.0220	0.0140	0.0000	1.1	E
2/2/2026 13:15	14.6	12.5	0.0	0.0220	0.0167	0.0000	0.7	NNE
2/2/2026 13:30	23.6	21.9	0.0	0.0147	0.0153	0.0007	0.5	NNW
2/2/2026 13:45	15.4	14.2	0.0	0.0153	0.0147	0.0000	0.7	N
2/2/2026 14:00	9.5	9.0	0.0	0.0167	0.0113	0.0000	0.7	E
2/2/2026 14:15	10.4	9.2	0.0	0.0180	0.0093	0.0000	1.5	E
2/2/2026 14:30	10.4	9.5	0.0	0.0180	0.0140	0.0000	0.7	NE
2/2/2026 14:45	9.6	9.2	0.0	0.0173	0.0133	0.0000	1.1	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed	Wind Direction
2/2/2026 15:00	10.4	9.5	0.0	0.0173	0.0127	0.0000	0.9	ESE
2/2/2026 15:15	9.4	10.3	0.9	0.0127	0.0187	0.0060	0.5	N
2/2/2026 15:30	20.8	10.6	0.0	0.0327	0.0153	0.0000	0.8	E

Air Monitoring Data by Location: 15 Min Avg Data

Date/Time	3208 PM10 (µg/m³)	3208 VOC (ppm)	3209 PM10 (µg/m³)	3209 VOC (ppm)	Wind Direction	Wind Speed
02/02/2026 07:15	19.8	0.0000	48.2	0.0200	SE	0.7
02/02/2026 07:30	18.2	0.0020	36.2	0.0240	SSE	0.6
02/02/2026 07:45	9.2	0.0100	52.0	0.0373	SE	1.0
02/02/2026 08:00	9.0	0.0100	36.0	0.0213	S	1.5
02/02/2026 08:15	10.4	0.0100	59.0	0.0240	SE	1.5
02/02/2026 08:30	13.4	0.0053	87.1	0.0200	SE	1.6
02/02/2026 08:45	11.1	0.0060	41.2	0.0213	SE	0.7
02/02/2026 09:00	9.5	0.0100	24.5	0.0253	ESE	2.0
02/02/2026 09:15	9.3	0.0047	34.6	0.0260	SE	1.8
02/02/2026 09:30	10.4	0.0080	34.0	0.0193	SE	2.2
02/02/2026 09:45	10.3	0.0080	42.1	0.0207	ESE	1.2
02/02/2026 10:00	11.2	0.0093	23.5	0.0227	SE	1.2
02/02/2026 10:15	10.9	0.0027	25.7	0.0213	ESE	1.8
02/02/2026 10:30	10.0	0.0100	25.1	0.0200	ESE	1.4
02/02/2026 10:45			27.1	0.0200	SE	1.7
02/02/2026 11:00	16.6	0.0100	17.4	0.0200	ESE	1.9
02/02/2026 11:15	9.6	0.0100	30.1	0.0200	ENE	0.7
02/02/2026 11:30	10.0	0.0080	18.9	0.0200	NE	1.3
02/02/2026 11:45	10.3	0.0100	15.2	0.0207	E	0.9
02/02/2026 12:00	10.9	0.0093	15.8	0.0187	E	1.2
02/02/2026 12:15	10.5	0.0127	13.3	0.0180	SE	1.8
02/02/2026 12:30	10.0	0.0080	13.1	0.0180	ENE	0.6
02/02/2026 12:45	8.3	0.0093	16.2	0.0293	ESE	1.3
02/02/2026 13:00	9.0	0.0100	17.8	0.0260	E	1.1
02/02/2026 13:15	10.2	0.0113	16.8	0.0273	NNE	0.7
02/02/2026 13:30	9.1	0.0093	36.4	0.0207	NNW	0.5
02/02/2026 13:45	9.8	0.0100	19.8	0.0200	N	0.7
02/02/2026 14:00	8.5	0.0087	10.0	0.0193	E	0.7
02/02/2026 14:15	8.6	0.0073	11.0	0.0200	E	1.5
02/02/2026 14:30	8.8	0.0113	11.2	0.0207	NE	0.7
02/02/2026 14:45	8.9	0.0120	10.0	0.0187	NE	1.1
02/02/2026 15:00	9.0	0.0100	10.9	0.0200	ESE	0.9
02/02/2026 15:15	8.2	0.0087	11.5	0.0227	N	0.5
02/02/2026 15:30	8.2	0.0100	23.1	0.0380	E	0.8