SITE OBSERVATION REPORT - RAWP Implementation – Day 137

LANGAN

PROJECT No.:	170390001	**CLIENT:**		**DATE:**	Tuesday, January 27, 2026
PROJECT:	141 3rd Street	Third Street Owner LLC and 155 Third St., LLC		**WEATHER:**	Cloudy, 13 – 24°F Wind: E @ 1.9 – 12.6 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 a.m. – 5:45 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

PRESENT AT SITE:
Langan: Jessie Almont
New Leaf: Jose Gomez, Joe Sullivan
Monadnock Construction, Inc. (Monadnock): Gavin Gawley, Bob Hempfling
Mueser Rutledge Consulting Engineers (MRCE): Amani Calderon
Bauer Structures: Brendan Dooley
WSP: Christopher DiScalfani, Eddy Nunez

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

Site Activities

- New Leaf advanced a continuous flight auger to about 30 feet below grade surface (bgs) in the eastern part of site to pre-drill three displacement piles (pile ID numbers 393, 395, and 413 within the In-Situ Stabilization (ISS) monolith.
    - Spoils generated during drilling were placed on and covered with polyethylene (poly) sheeting at the end of the workday. Langan screened the drilling spoils for odors, staining, and organic vapors using a photoionization detector (PID). No evidence of impacts was observed.
- New Leaf advanced and installed one displacement pile (pile ID number 471 to about 70 feet bgs) in the southwestern part of the site.
    - Less than one cubic yard (CY) 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 pile. Excess grout will be stockpiled and managed as construction and demolition (C&D) debris at a later date.
- New Leaf temporarily backfilled an approximately 16-foot-long by 16-foot-wide area from 5 feet bgs to surface grade with previously excavated soil/fill in the western part of site after completion of the load test.
- New Leaf excavated in three areas in the northeastern part of site to expose existing tie rods:
    - an approximately 10-foot-long by 10-foot-wide to about 6 feet bgs;
    - an approximately 5-foot-long by 2-foot-wide to about 6 feet bgs; and
    - an approximately 20-foot-long by 15-foot-wide to about 7-feet bgs.
    - Excavated material consisted of soil/fill and C&D debris. Langan screened the excavated material for odors, staining, and organic vapors using a PID. No evidence of impacts was not observed. Excavated material was temporarily backfilled to surface grade in the excavated areas.
- Bauer Structures excavated an approximately 55-foot-long by 40-foot-wide to about 2 feet bgs in the northwestern part of site for removal and off-site disposal of non-hazardous soil/fill as part of the remedial excavation.
    - Excavated material consisted of soil/fill and C&D debris. Langan screened the excavated material for odors, staining, and organic vapors using a PID. No evidence of impacts was observed. Excavated material was placed on and covered with poly sheeting at the end of the workday.
- 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

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

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**	0	**7**
		Quantity (tons)	0	**153.36**
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**	0	**0**
		Quantity (CY)	0	**0**
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**

Drums

- One 55-gallon drum containing purged groundwater and Dense Non-Aqueous Phase Liquid (DNAPL) is staged in the southern part of the site.
- One 55-gallon drum containing purged groundwater and DNAPL is staged in the western part of the site.
- One 55-gallon drum containing truck wash water is staged in the central part of the site.
- Two 55-gallon drums containing personal protective equipment (PPE) are staged in the southern part of the site.
- Two 55-gallon drums containing drill cuttings are staged in the southern part of the site.

Anticipated Activities

- New Leaf will begin source removal.
- Bauer Structures will continue excavation.

SITE PHOTOGRAPHS:

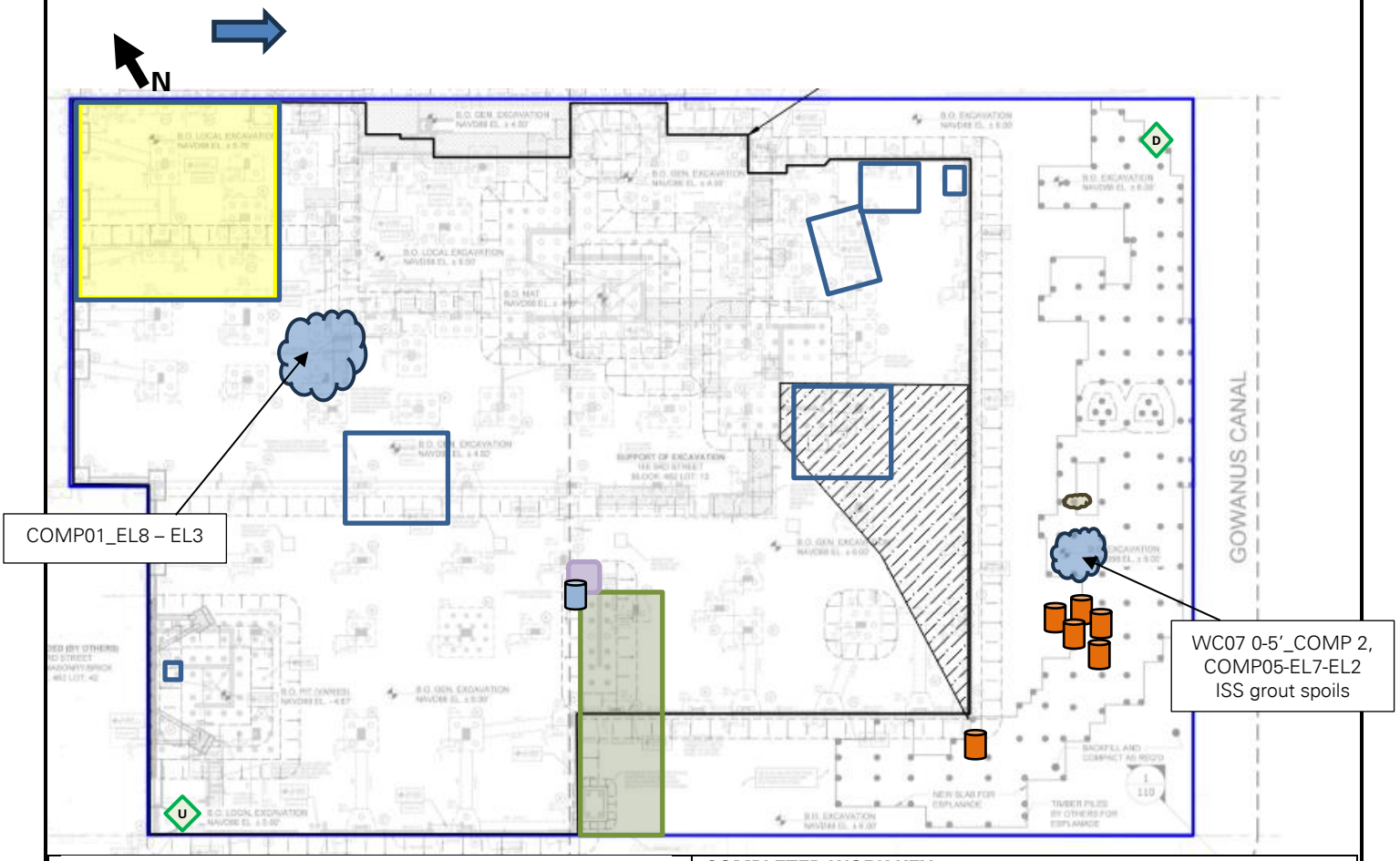


Photo 1: Bauer Structures excavating in the northwestern part of site (facing southwest).



Photo 2: New Leaf backfilling soil/fill in the western part of site (facing north).

FIGURE 1 - SITE MAP:



LEGEND:

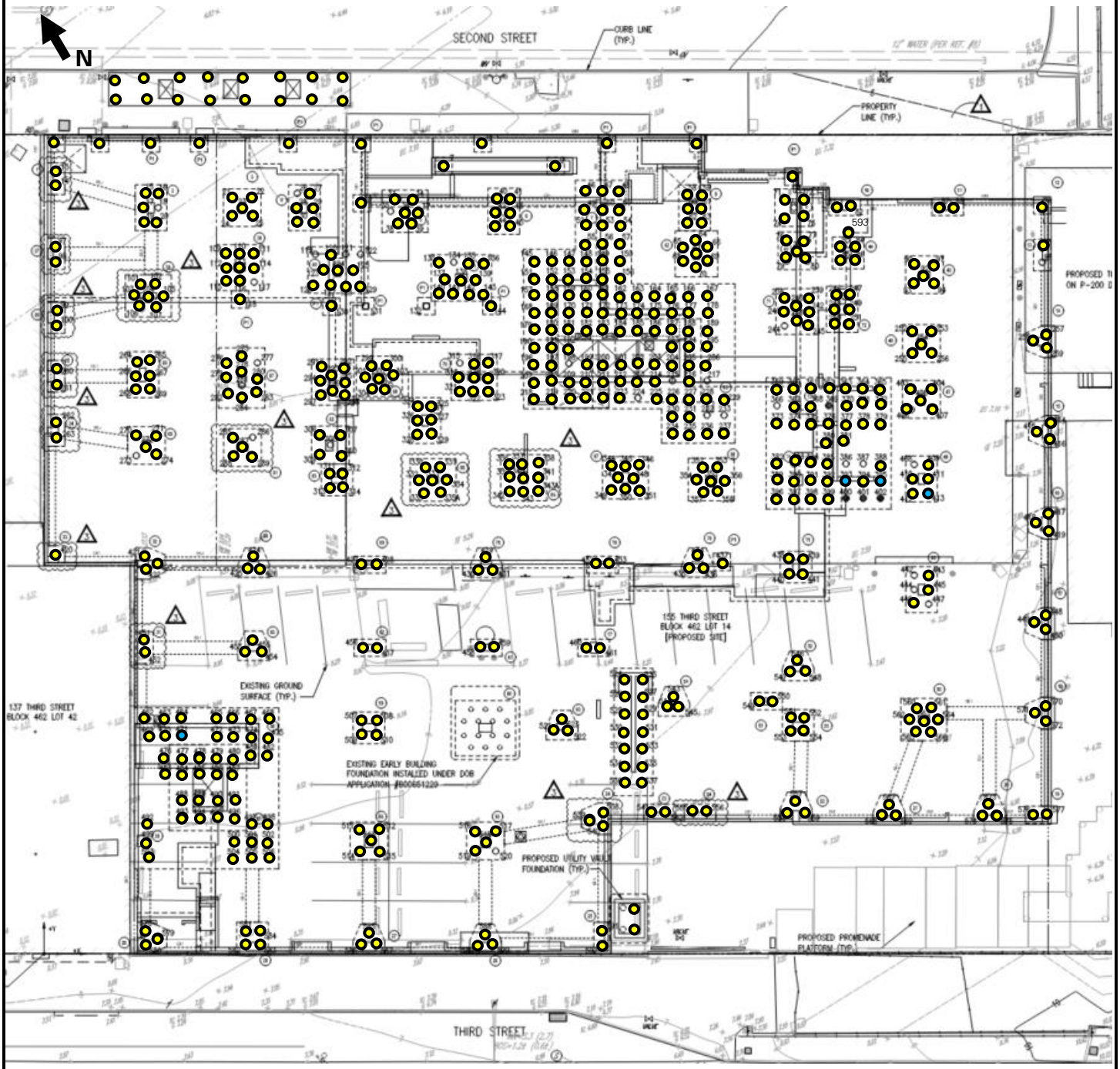
- APPROXIMATE SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- APPROXIMATE PROPOSED EXTENT OF ISS AREA TO BE EXCAVATED TO 4 FEET BGS (EL. 3.5± FEET NAVD88)

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 drum
- 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

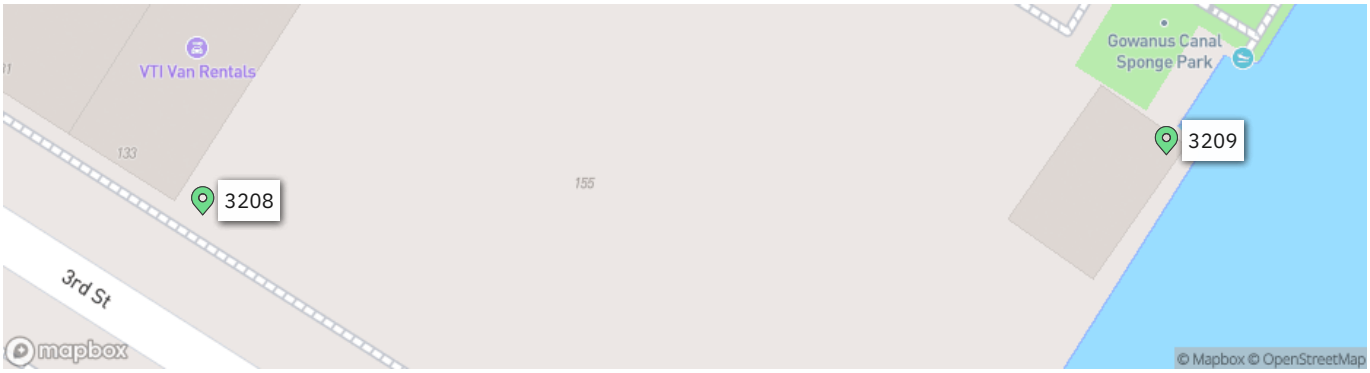
- Approximate Location of Displacement Pile Advanced Today
- Approximate Location of Displacement Pile Advanced Previously

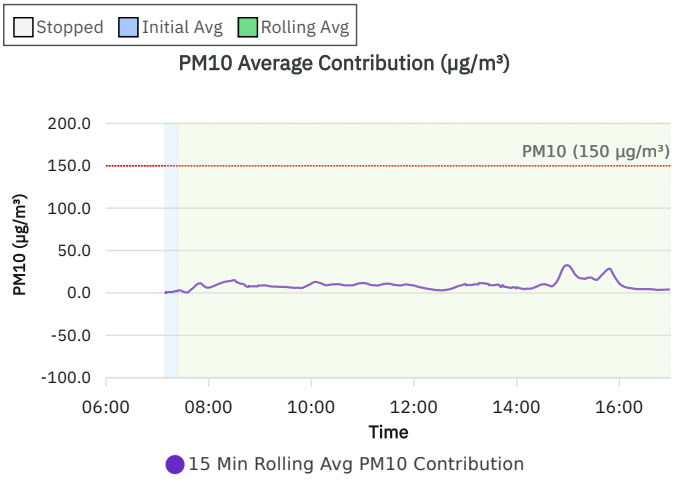
Base map includes Drawing P100 – Full Displacement Pile (FDP) ID, prepared by Mueser Rutledge Consulting Engineers PLLC, dated 8/18/2025

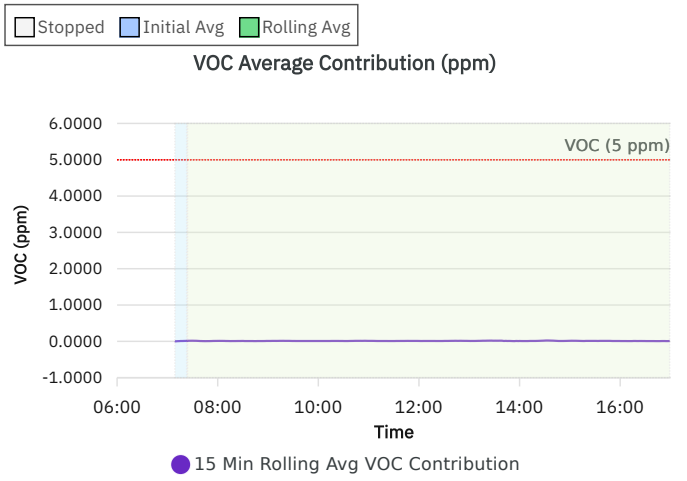
LANGAN	Site Contribution Report	170390002 - 155 3rd St Brooklyn	
		Report Period	
		From:	01/27/2026 06:00
		To:	01/27/2026 17:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Temp (°F)	Relative Humidity (%)	Barometer (inHg)	Wind Speed (mph)	Prevailing Wind Direction
01/27/2026	13.5 - 23.4	37.8 - 58.6	30.1 - 30.3	1.9 - 12.6	W

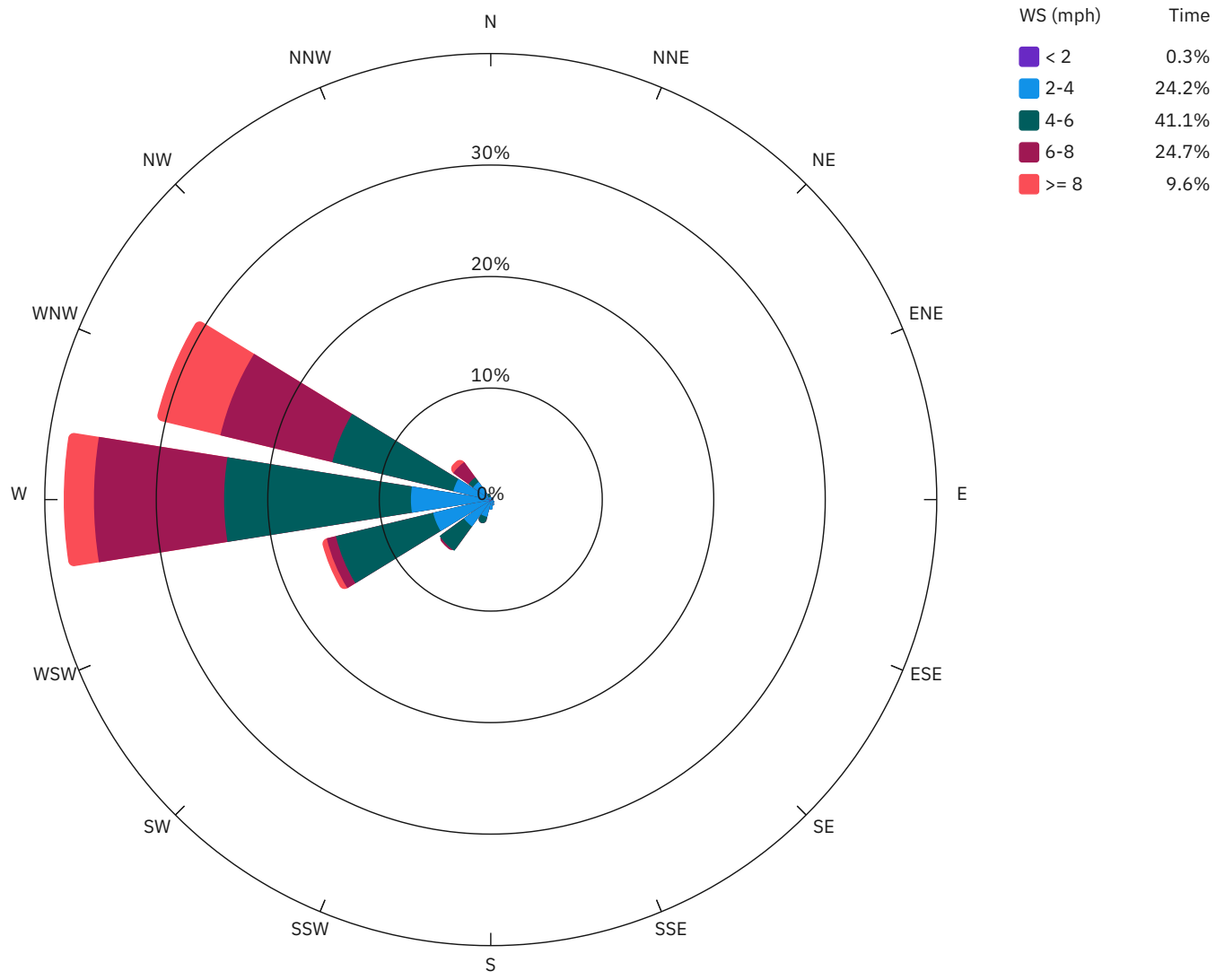
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 1/27/2026	1.1	07:15	0.0060	07:45
Max Contribution (15 min avg.) - 1/27/2026	32.5	15:00	0.0213	14:30
Daily Avg. Contribution (15 min avg.) - 1/27/2026	9.5	-	0.0116	-



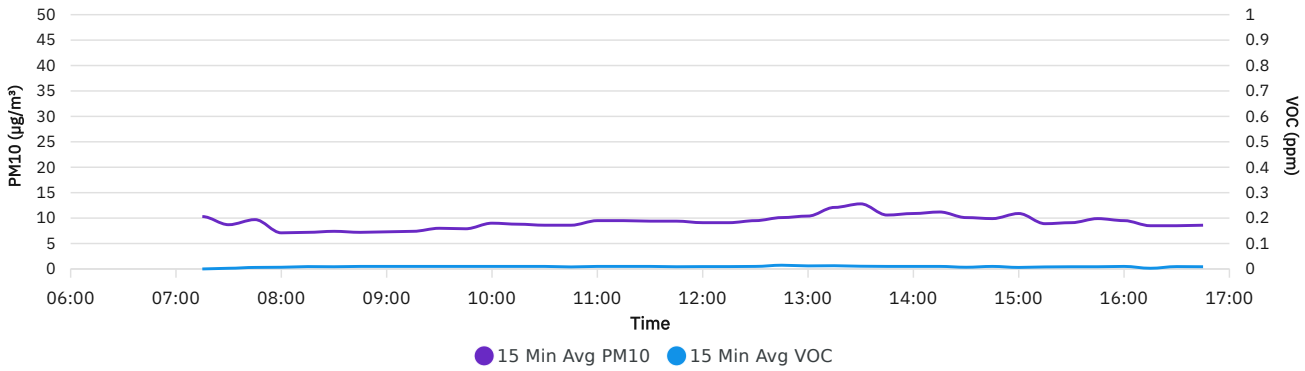




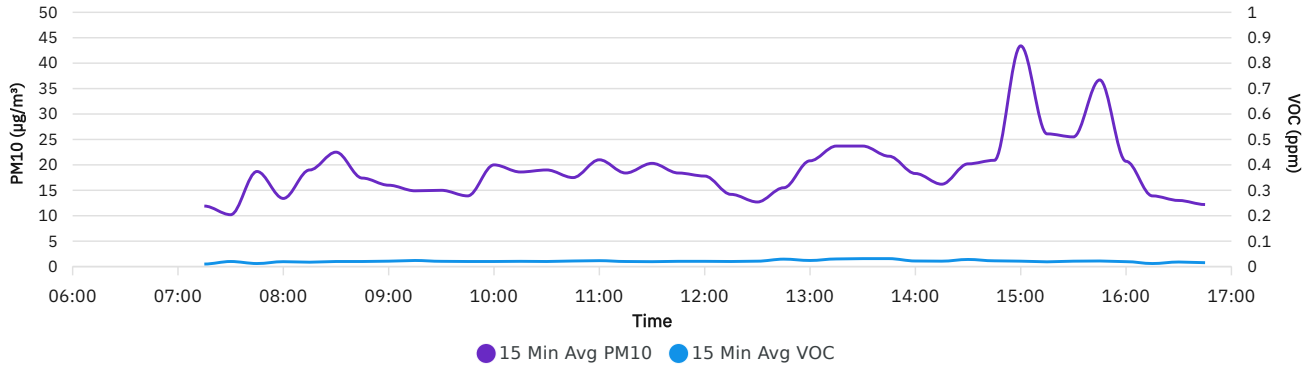
Wind rose (mph)



3208



3209


50
45
40
35
30
25
20
15
10
5
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
1/27/2026 07:15	10.5	11.6	1.1	0.0014	0.0100	0.0086	3.0	WSW
1/27/2026 07:30	8.7	10.2	1.5	0.0027	0.0200	0.0173	5.6	W
1/27/2026 07:45	9.7	18.7	9.0	0.0060	0.0120	0.0060	8.8	WNW
1/27/2026 08:00	7.1	13.4	6.3	0.0067	0.0193	0.0127	7.2	WNW
1/27/2026 08:15	7.2	19.0	11.8	0.0093	0.0173	0.0080	6.4	WNW
1/27/2026 08:30	7.4	22.5	15.0	0.0087	0.0200	0.0113	3.6	W
1/27/2026 08:45	8.7	16.0	7.3	0.0113	0.0187	0.0073	2.5	W
1/27/2026 09:00	7.3	16.0	8.7	0.0100	0.0213	0.0113	4.1	W
1/27/2026 09:15	7.4	14.9	7.5	0.0100	0.0240	0.0140	4.1	WSW
1/27/2026 09:30	8.0	15.0	7.0	0.0100	0.0207	0.0107	4.0	W
1/27/2026 09:45	7.9	13.9	6.0	0.0100	0.0200	0.0100	4.3	W
1/27/2026 10:00	9.0	20.0	11.0	0.0100	0.0200	0.0100	3.3	W
1/27/2026 10:15	8.8	18.6	9.7	0.0100	0.0207	0.0107	3.8	W
1/27/2026 10:30	8.6	19.0	10.3	0.0100	0.0200	0.0100	4.9	W
1/27/2026 10:45	8.6	17.5	8.9	0.0080	0.0220	0.0140	5.1	W
1/27/2026 11:00	9.5	21.0	11.6	0.0100	0.0233	0.0133	4.9	W
1/27/2026 11:15	9.5	18.4	8.9	0.0100	0.0200	0.0100	7.7	WNW
1/27/2026 11:30	9.4	20.3	10.9	0.0100	0.0193	0.0093	4.8	W
1/27/2026 11:45	9.4	18.4	9.0	0.0087	0.0207	0.0120	6.1	W
1/27/2026 12:00	9.1	17.8	8.7	0.0093	0.0207	0.0113	5.2	W
1/27/2026 12:15	9.1	14.2	5.0	0.0093	0.0200	0.0107	4.8	W
1/27/2026 12:30	9.5	12.7	3.2	0.0100	0.0213	0.0113	3.5	W
1/27/2026 12:45	10.1	15.5	5.4	0.0147	0.0293	0.0147	5.2	W
1/27/2026 13:00	10.4	20.8	10.5	0.0120	0.0240	0.0120	3.4	WSW
1/27/2026 13:15	12.9	22.8	9.9	0.0133	0.0293	0.0160	5.6	W
1/27/2026 13:30	13.6	22.9	9.3	0.0120	0.0300	0.0180	5.3	W
1/27/2026 13:45	12.5	19.8	7.3	0.0153	0.0260	0.0107	3.1	W
1/27/2026 14:00	11.3	18.0	6.7	0.0107	0.0213	0.0107	4.6	WNW
1/27/2026 14:15	11.2	16.2	5.0	0.0100	0.0213	0.0113	5.1	WNW
1/27/2026 14:30	10.1	20.2	10.1	0.0067	0.0280	0.0213	6.4	WNW
1/27/2026 14:45	9.9	20.9	11.0	0.0100	0.0227	0.0127	4.7	W

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
1/27/2026 15:00	10.9	43.4	32.5	0.0060	0.0213	0.0153	6.9	WNW
1/27/2026 15:15	8.9	26.1	17.2	0.0080	0.0187	0.0107	5.9	W
1/27/2026 15:30	9.1	25.5	16.4	0.0087	0.0213	0.0127	5.9	W
1/27/2026 15:45	9.9	36.7	26.8	0.0087	0.0220	0.0133	6.0	WNW
1/27/2026 16:00	9.5	20.7	11.2	0.0100	0.0193	0.0093	5.9	W
1/27/2026 16:15	8.5	13.9	5.3	0.0027	0.0120	0.0093	6.8	W
1/27/2026 16:30	8.5	13.0	4.5	0.0093	0.0180	0.0087	4.2	W
1/27/2026 16:45	8.6	12.2	3.6	0.0087	0.0153	0.0067	4.8	W

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
01/27/2026 07:15	10.3	0.0000	11.9	0.0100	WSW	3.0
01/27/2026 07:30	8.7	0.0027	10.2	0.0200	W	5.6
01/27/2026 07:45	9.7	0.0060	18.7	0.0120	WNW	8.8
01/27/2026 08:00	7.1	0.0067	13.4	0.0193	WNW	7.2
01/27/2026 08:15	7.2	0.0093	19.0	0.0173	WNW	6.4
01/27/2026 08:30	7.4	0.0087	22.5	0.0200	W	3.6
01/27/2026 08:45	7.2	0.0100	17.4	0.0200	W	2.5
01/27/2026 09:00	7.3	0.0100	16.0	0.0213	W	4.1
01/27/2026 09:15	7.4	0.0100	14.9	0.0240	WSW	4.1
01/27/2026 09:30	8.0	0.0100	15.0	0.0207	W	4.0
01/27/2026 09:45	7.9	0.0100	13.9	0.0200	W	4.3
01/27/2026 10:00	9.0	0.0100	20.0	0.0200	W	3.3
01/27/2026 10:15	8.8	0.0100	18.6	0.0207	W	3.8
01/27/2026 10:30	8.6	0.0100	19.0	0.0200	W	4.9
01/27/2026 10:45	8.6	0.0080	17.5	0.0220	W	5.1
01/27/2026 11:00	9.5	0.0100	21.0	0.0233	W	4.9
01/27/2026 11:15	9.5	0.0100	18.4	0.0200	WNW	7.7
01/27/2026 11:30	9.4	0.0100	20.3	0.0193	W	4.8
01/27/2026 11:45	9.4	0.0087	18.4	0.0207	W	6.1
01/27/2026 12:00	9.1	0.0093	17.8	0.0207	W	5.2
01/27/2026 12:15	9.1	0.0093	14.2	0.0200	W	4.8
01/27/2026 12:30	9.5	0.0100	12.7	0.0213	W	3.5
01/27/2026 12:45	10.1	0.0147	15.5	0.0293	W	5.2
01/27/2026 13:00	10.4	0.0120	20.8	0.0240	WSW	3.4
01/27/2026 13:15	12.1	0.0127	23.7	0.0300	W	5.6
01/27/2026 13:30	12.8	0.0107	23.7	0.0313	W	5.3
01/27/2026 13:45	10.6	0.0100	21.7	0.0313	W	3.1
01/27/2026 14:00	10.9	0.0100	18.3	0.0220	WNW	4.6
01/27/2026 14:15	11.2	0.0100	16.2	0.0213	WNW	5.1
01/27/2026 14:30	10.1	0.0067	20.2	0.0280	WNW	6.4
01/27/2026 14:45	9.9	0.0100	20.9	0.0227	W	4.7
01/27/2026 15:00	10.9	0.0060	43.4	0.0213	WNW	6.9
01/27/2026 15:15	8.9	0.0080	26.1	0.0187	W	5.9
01/27/2026 15:30	9.1	0.0087	25.5	0.0213	W	5.9
01/27/2026 15:45	9.9	0.0087	36.7	0.0220	WNW	6.0
01/27/2026 16:00	9.5	0.0100	20.7	0.0193	W	5.9
01/27/2026 16:15	8.5	0.0027	13.9	0.0120	W	6.8
01/27/2026 16:30	8.5	0.0093	13.0	0.0180	W	4.2
01/27/2026 16:45	8.6	0.0087	12.2	0.0153	W	4.8