SITE OBSERVATION REPORT - RAWP Implementation – Day 139

LANGAN

PROJECT No.:	170390001	**CLIENT:**		**DATE:**	Thursday, January 29, 2026
PROJECT:	141 3rd Street	Third Street Owner LLC and 155 Third St., LLC		**WEATHER:**	Cloudy, 9 – 27^{0}F Wind: ESE @ 1.0 – 9.8 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 a.m. – 5:15 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, Laurel Winslow
New Leaf: Jose Gomez
Monadnock Construction, Inc. (Monadnock): Gavin Gawley, Bob Hempfling
Mueser Rutledge Consulting Engineers (MRCE): Amani Calderon
Bauer Structures: Brendan Dooley
WSP: 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 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-001:* The casings were incrementally advanced from about 15 feet below surface grade (bgs) to 29 feet bgs (corresponding to elevation[1] (el) -9.42 and el -23, respectively). Soil/fill was periodically extracted from about el -9.42 to about el -23. Following soil/fill extraction, the auger was retracted, and the casings were left in-place.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). Imported 1.5-inch virgin stone (ASTM #3) was backfilled from el -2.16 to surface grade (about el 5.58) before removing the 48-inch-diameter steel casings.
    - *SR-024:* The casings were incrementally advanced from about 15 bgs to 29 feet bgs (corresponding to el -8.90 and el -23, respectively). Soil/fill was periodically extracted from about el -8.90 to about el -23. Following soil/fill extraction, the auger was retracted, and the casings were left in-place.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). Imported ASTM #3 was backfilled from el -2.16 to surface grade (about el 6.1) before removing the 48-inch-diameter steel casings.
    - *SR-020:* The casings were incrementally advanced from surface grade to 29 feet bgs (corresponding to el 6 and el -23, respectively). Soil/fill was periodically extracted from about el 6 to about el -23. 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-022:* The casings were incrementally advanced from surface grade to 29 feet bgs (corresponding to el 6 and el -23, respectively). Soil/fill was periodically extracted from about el 6 to about el -23. Following soil/fill extraction, the auger was retracted, and the casings were left in-place. Flowable fill was placed

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

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-002:* The casings were incrementally advanced from surface grade to 29 feet bgs (corresponding to el 6.25 and el -23, respectively). Soil/fill was periodically extracted from about el 6.25 to about 15 feet bgs (el -21.25). The column is currently in progress and will be further advanced and completed 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 9.6 parts per million (ppm) was recorded. New Leaf applied ATMOS AC645 odor/vapor suppressing foam, as needed, 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.

- New Leaf advanced and installed three displacement piles (pile ID numbers 386 and 442 to about 65 feet bgs and 395 to 70 feet bgs) in the eastern 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 advanced a continuous flight auger to about 30 feet bgs in the eastern part of site to pre-drill two displacement piles (pile ID numbers 386 and 400) 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.
- Bauer Structures excavated an approximately 55-foot-long by 15-foot-wide area 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.
- AARCO removed seven drums containing previously purged groundwater, soil cuttings, and spent personal protective equipment (PPE). The drums were transported to Dale Transfer Corp. in West Babylon, New York for off-site disposal.
- 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

- New Leaf exported 10 truckloads (200 CY) of non-hazardous contaminated soil/urban fill to Clean Earth of New Castle located in New Castle, DE.
- AARCO exported seven drums containing previously purged groundwater and soil cuttings for off-site disposal to Dale Transfer Corp. in West Babylon, New York.
- No material was imported to 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	**9**
		Quantity (tons)	0	**199.15**
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**	10	**10**
		Quantity (CY)	200	**200**
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)		**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.
- Bauer Structures will export excavated soil/fill for off-site disposal.
- New Leaf will continue advancing source removal columns.

SITE PHOTOGRAPHS:

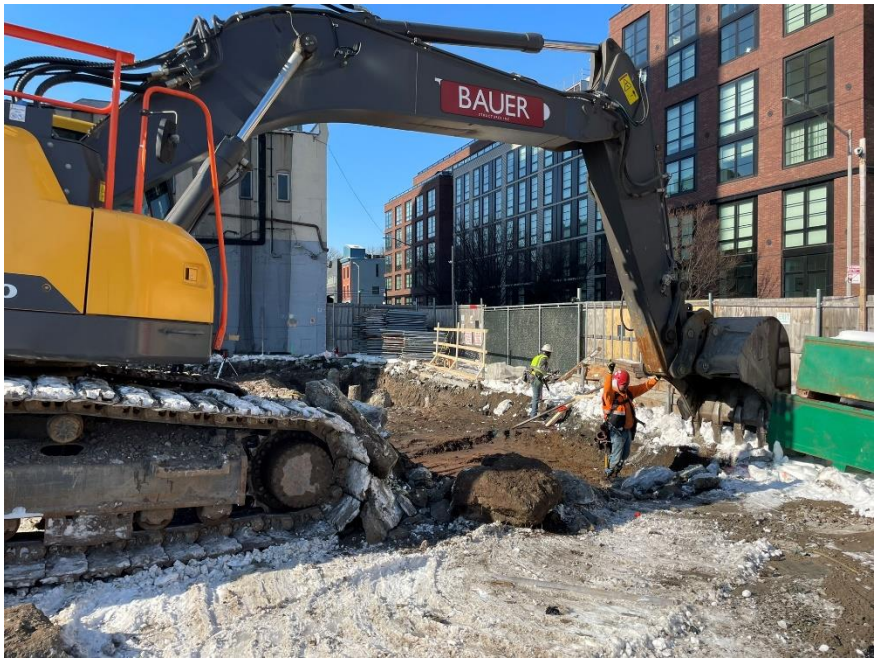


Photo 1: Bauer Structures excavating in the northwestern part of site (facing north).

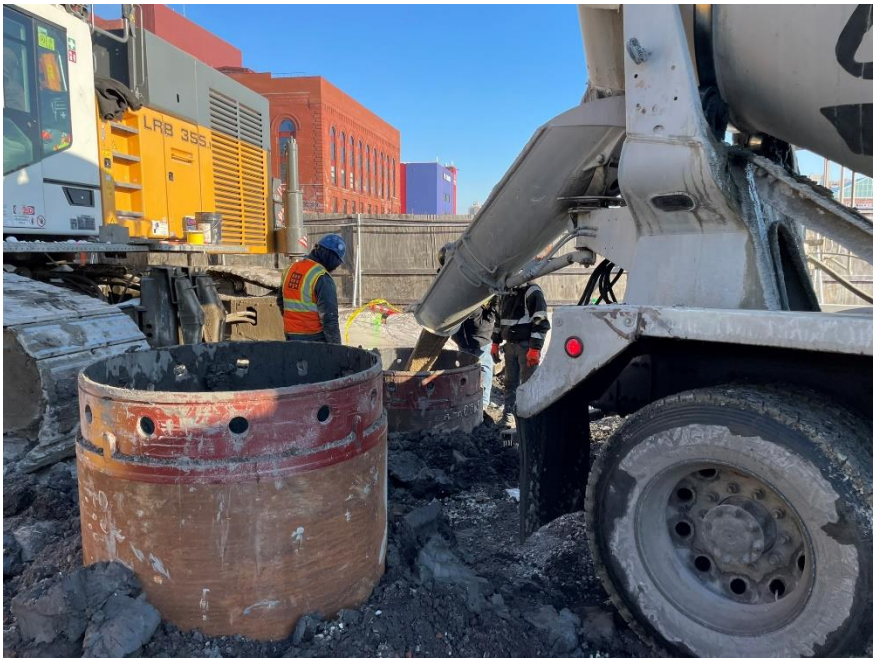


Photo 2: New Leaf backfilling flowable fill in Column No. SR-024 in the eastern part of the site (facing east).

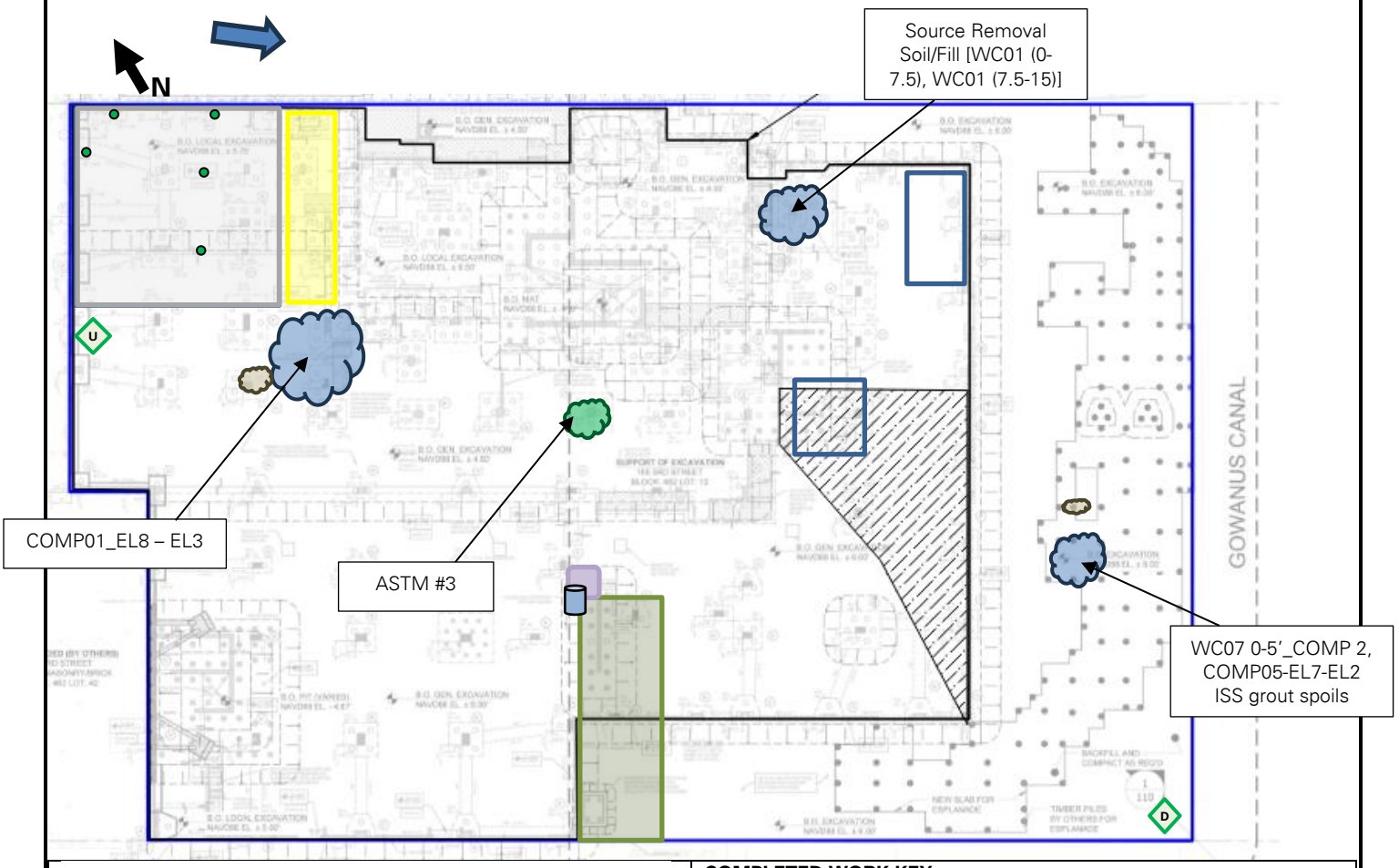


Photo 3: New Leaf pre-drilling a displacement pile in the eastern part of the site (facing southwest).



Photo 4: New Leaf covering soil/fill stockpiles in the eastern part of the site at the end of the work day (facing north).

FIGURE 1 - SITE MAP:



LEGEND:

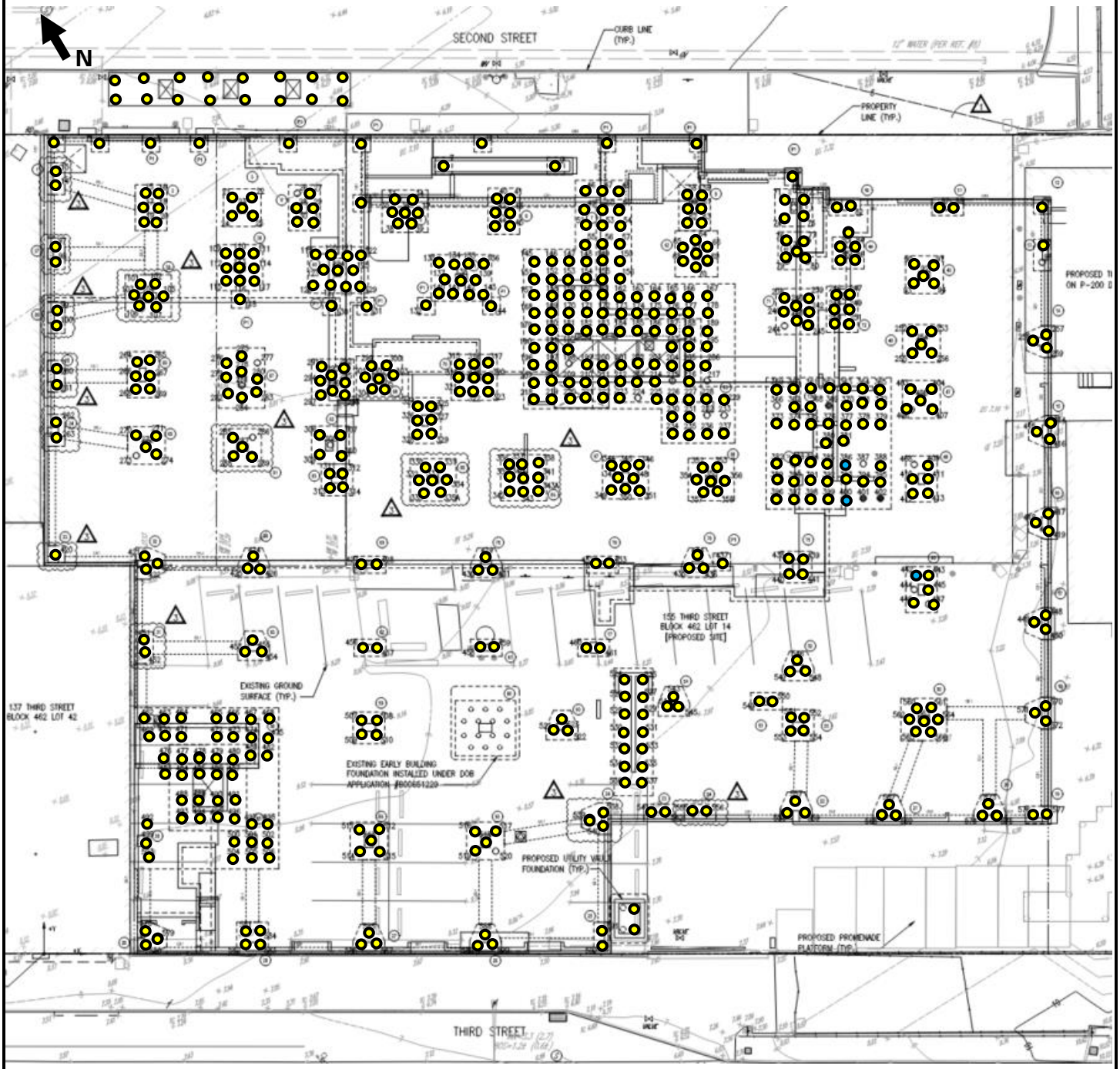
- APPROXIMATE SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- APPROXIMATE PROPOSED EXTENT OF ISS AREA TO BE EXCAVATED TO 4 FEET BGS (EL. 3.5± FEET NAVD88)

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 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:

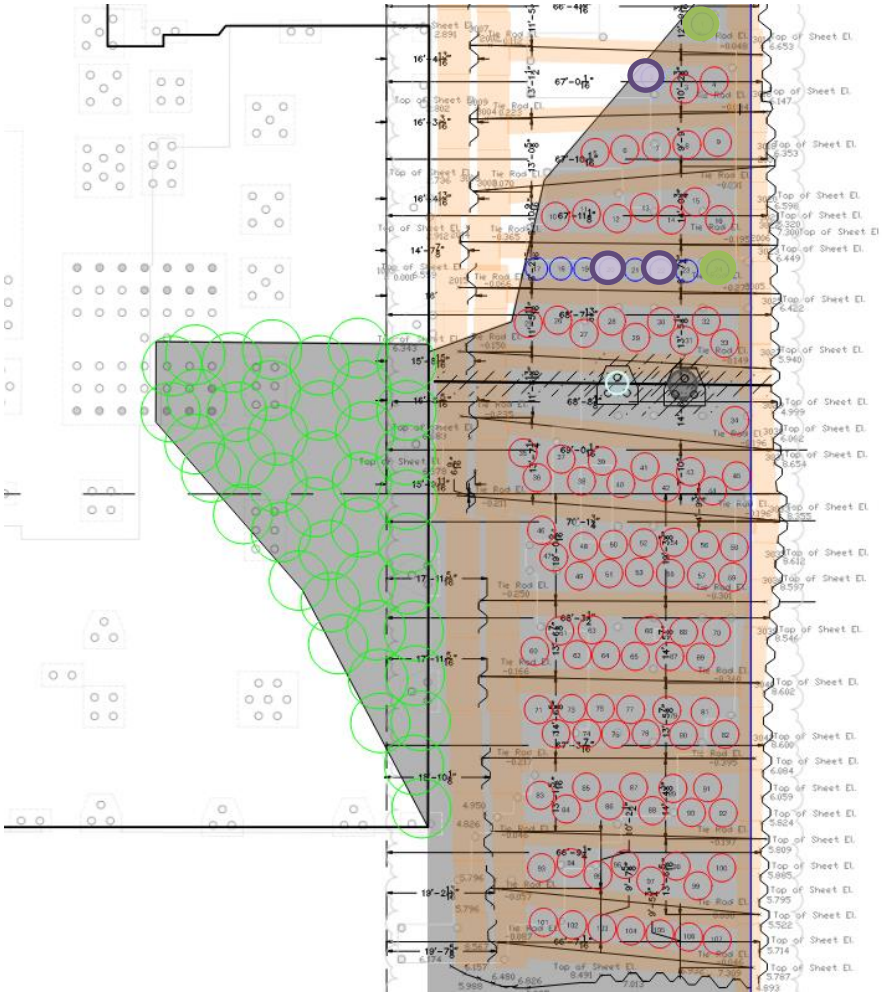


COMPLETED WORK KEY

- 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

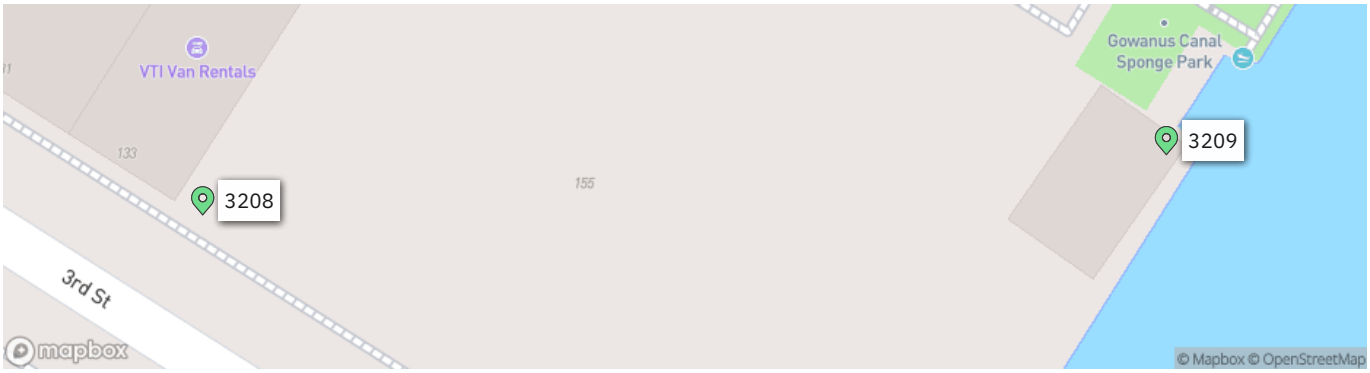
- Approximate location of source removal column completed today
- Approximate location of source removal column in progress
- Approximate location of previously advanced and column

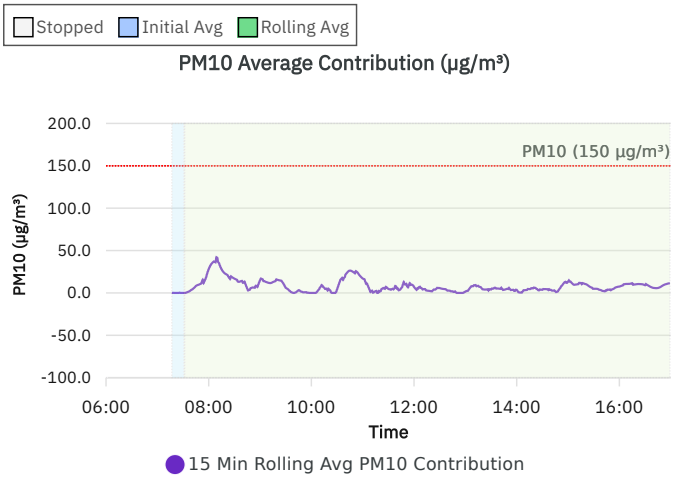
Base map includes Figure 2 – Source Removal Plan from the NYSDEC-approved Source Removal Work Plan, prepared by Langan Engineering, dated 10/02/2025

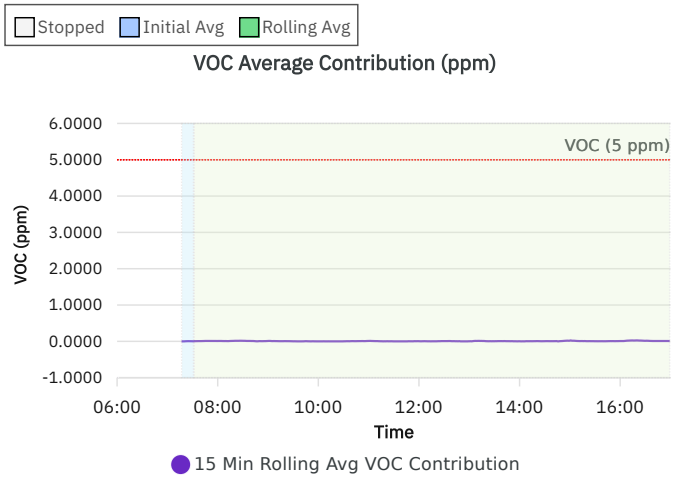
LANGAN	Site Contribution Report	170390002 - 155 3rd St Brooklyn	
		Report Period	
		From:	01/29/2026 06:00
		To:	01/29/2026 17:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Temp (°F)	Relative Humidity (%)	Barometer (inHg)	Wind Speed (mph)	Prevailing Wind Direction
01/29/2026	9.7 - 26.4	34.1 - 63.6	30.2 - 30.2	1.0 - 9.8	WNW

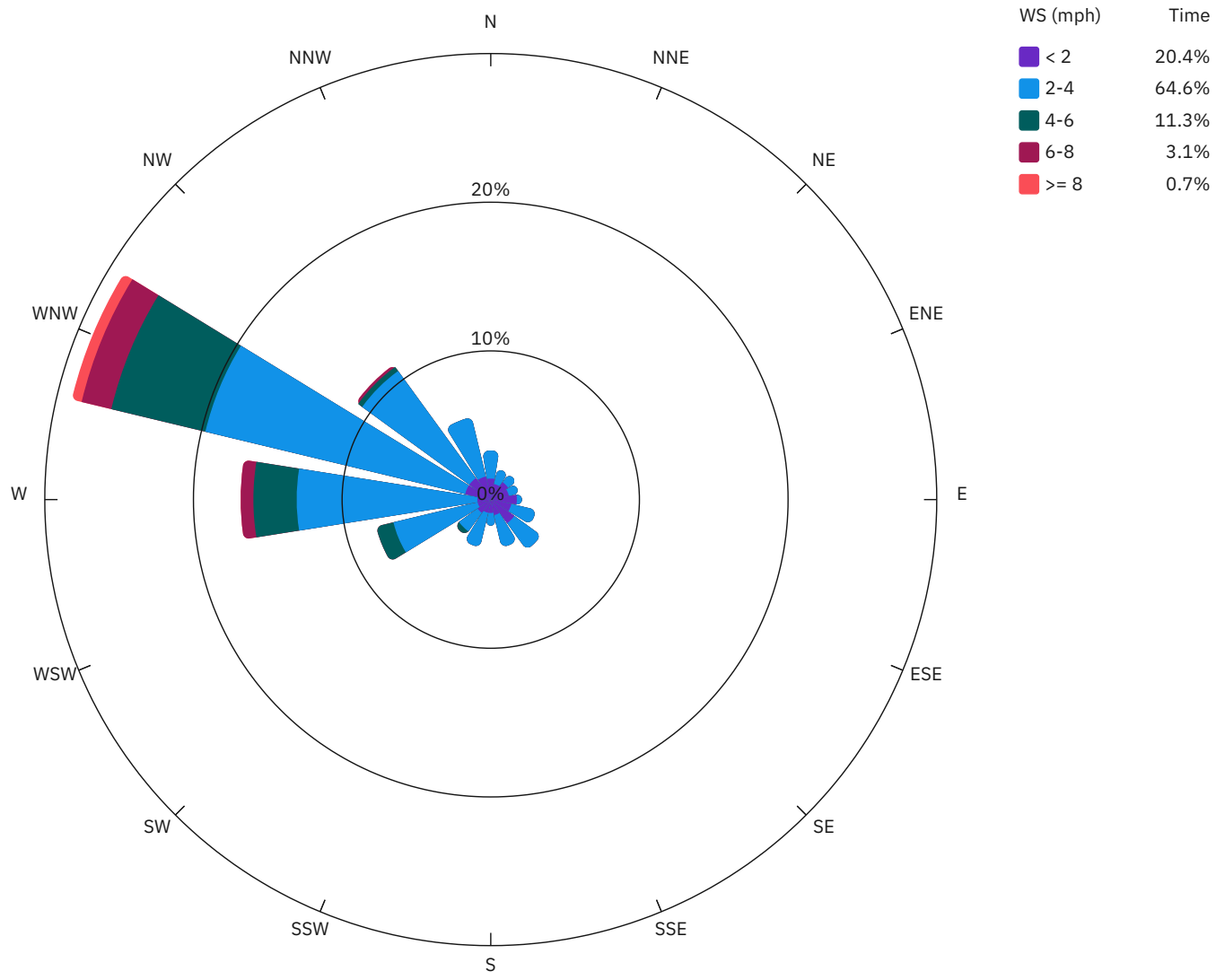
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 1/29/2026	0.0	07:30	0.0000	07:15
Max Contribution (15 min avg.) - 1/29/2026	28.1	08:00	0.0247	16:15
Daily Avg. Contribution (15 min avg.) - 1/29/2026	7.8	-	0.0063	-



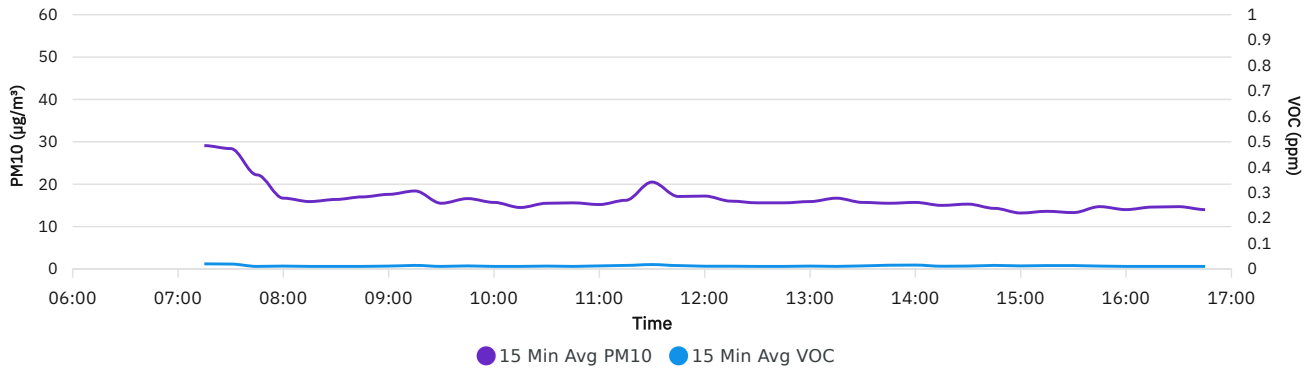




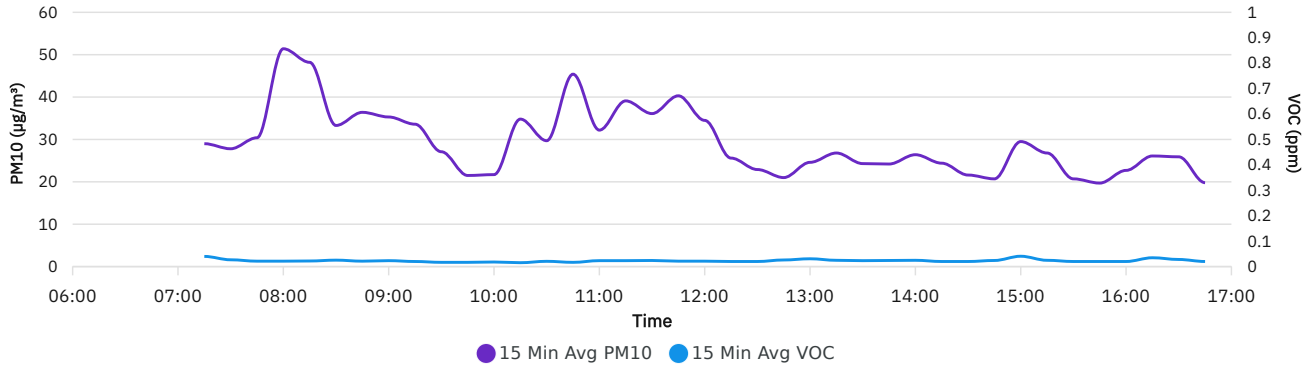
Wind rose (mph)



3208



3209


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
1/29/2026 07:15	29.0	29.1	0.1	0.0400	0.0200	0.0000	1.2	ENE
1/29/2026 07:30	28.4	27.7	0.0	0.0214	0.0243	0.0029	1.7	WNW
1/29/2026 07:45	22.2	30.4	8.2	0.0100	0.0213	0.0113	3.8	WNW
1/29/2026 08:00	20.0	48.1	28.1	0.0113	0.0213	0.0100	3.8	WNW
1/29/2026 08:15	18.1	46.1	28.0	0.0107	0.0213	0.0107	4.0	WNW
1/29/2026 08:30	16.4	33.3	16.9	0.0100	0.0253	0.0153	4.8	WNW
1/29/2026 08:45	24.1	29.3	5.2	0.0133	0.0180	0.0047	1.8	WNW
1/29/2026 09:00	19.0	33.9	14.9	0.0120	0.0227	0.0107	4.2	W
1/29/2026 09:15	19.6	32.4	12.8	0.0147	0.0193	0.0047	2.7	W
1/29/2026 09:30	18.2	24.3	6.1	0.0127	0.0140	0.0013	3.0	W
1/29/2026 09:45	17.4	20.6	3.2	0.0120	0.0167	0.0047	1.6	W
1/29/2026 10:00	19.3	18.1	0.0	0.0147	0.0133	0.0000	0.1	ESE
1/29/2026 10:15	21.5	27.7	6.2	0.0133	0.0120	0.0000	0.8	WNW
1/29/2026 10:30	20.5	24.7	4.1	0.0153	0.0167	0.0013	0.7	NW
1/29/2026 10:45	17.3	43.7	26.3	0.0107	0.0160	0.0053	1.9	WNW
1/29/2026 11:00	15.2	32.2	17.0	0.0120	0.0233	0.0113	2.9	WNW
1/29/2026 11:15	26.5	28.7	2.1	0.0173	0.0200	0.0027	1.0	NW
1/29/2026 11:30	25.9	30.7	4.7	0.0207	0.0207	0.0000	1.6	W
1/29/2026 11:45	25.9	31.5	5.6	0.0180	0.0167	0.0000	0.5	W
1/29/2026 12:00	22.3	29.4	7.1	0.0140	0.0180	0.0040	0.9	WNW
1/29/2026 12:15	19.4	22.2	2.8	0.0147	0.0160	0.0013	0.8	WNW
1/29/2026 12:30	16.4	22.1	5.7	0.0113	0.0187	0.0073	2.7	WNW
1/29/2026 12:45	17.3	19.2	1.9	0.0160	0.0200	0.0040	1.6	NNW
1/29/2026 13:00	19.6	21.0	1.4	0.0200	0.0220	0.0020	1.0	NW
1/29/2026 13:15	17.6	26.0	8.4	0.0113	0.0233	0.0120	2.6	WNW
1/29/2026 13:30	18.0	22.0	4.0	0.0160	0.0193	0.0033	1.5	W
1/29/2026 13:45	18.0	21.7	3.7	0.0167	0.0220	0.0053	1.6	NW
1/29/2026 14:00	19.3	22.9	3.6	0.0187	0.0213	0.0027	0.9	NW
1/29/2026 14:15	17.4	21.9	4.5	0.0133	0.0173	0.0040	1.4	WNW
1/29/2026 14:30	16.6	20.3	3.7	0.0133	0.0180	0.0047	1.9	WNW
1/29/2026 14:45	16.5	18.5	2.0	0.0173	0.0207	0.0033	0.9	WNW

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
1/29/2026 15:00	14.7	28.1	13.4	0.0160	0.0367	0.0207	1.9	WNW
1/29/2026 15:15	14.4	26.1	11.7	0.0147	0.0233	0.0087	2.2	WNW
1/29/2026 15:30	14.5	19.4	4.9	0.0147	0.0187	0.0040	2.3	W
1/29/2026 15:45	15.8	18.6	2.8	0.0133	0.0180	0.0047	1.7	W
1/29/2026 16:00	14.6	22.1	7.5	0.0107	0.0193	0.0087	2.3	WSW
1/29/2026 16:15	14.6	26.1	11.5	0.0100	0.0347	0.0247	3.0	W
1/29/2026 16:30	15.8	24.8	9.1	0.0113	0.0267	0.0153	2.8	W
1/29/2026 16:45	14.0	19.8	5.8	0.0100	0.0200	0.0100	2.6	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
01/29/2026 07:15	29.1	0.0200	29.0	0.0400	ENE	1.2
01/29/2026 07:30	28.4	0.0193	27.8	0.0267	WNW	1.7
01/29/2026 07:45	22.2	0.0100	30.4	0.0213	WNW	3.8
01/29/2026 08:00	16.7	0.0113	51.4	0.0213	WNW	3.8
01/29/2026 08:15	15.9	0.0100	48.2	0.0220	WNW	4.0
01/29/2026 08:30	16.4	0.0100	33.3	0.0253	WNW	4.8
01/29/2026 08:45	17.0	0.0100	36.4	0.0213	WNW	1.8
01/29/2026 09:00	17.6	0.0113	35.3	0.0233	W	4.2
01/29/2026 09:15	18.4	0.0140	33.6	0.0200	W	2.7
01/29/2026 09:30	15.5	0.0100	27.1	0.0167	W	3.0
01/29/2026 09:45	16.6	0.0120	21.5	0.0167	W	1.6
01/29/2026 10:00	15.7	0.0100	21.7	0.0180	ESE	0.1
01/29/2026 10:15	14.5	0.0100	34.8	0.0153	WNW	0.8
01/29/2026 10:30	15.5	0.0113	29.7	0.0207	NW	0.7
01/29/2026 10:45	15.6	0.0100	45.4	0.0167	WNW	1.9
01/29/2026 11:00	15.2	0.0120	32.2	0.0233	WNW	2.9
01/29/2026 11:15	16.2	0.0140	39.1	0.0233	NW	1.0
01/29/2026 11:30	20.5	0.0173	36.1	0.0240	W	1.6
01/29/2026 11:45	17.1	0.0133	40.3	0.0213	W	0.5
01/29/2026 12:00	17.2	0.0107	34.5	0.0213	WNW	0.9
01/29/2026 12:15	16.0	0.0107	25.6	0.0200	WNW	0.8
01/29/2026 12:30	15.6	0.0100	22.9	0.0200	WNW	2.7
01/29/2026 12:45	15.6	0.0100	21.0	0.0260	NNW	1.6
01/29/2026 13:00	15.9	0.0113	24.6	0.0307	NW	1.0
01/29/2026 13:15	16.7	0.0100	26.8	0.0247	WNW	2.6
01/29/2026 13:30	15.7	0.0120	24.3	0.0233	W	1.5
01/29/2026 13:45	15.5	0.0147	24.2	0.0240	NW	1.6
01/29/2026 14:00	15.7	0.0153	26.4	0.0247	NW	0.9
01/29/2026 14:15	15.0	0.0107	24.4	0.0200	WNW	1.4
01/29/2026 14:30	15.3	0.0113	21.6	0.0200	WNW	1.9
01/29/2026 14:45	14.3	0.0140	20.7	0.0240	WNW	0.9
01/29/2026 15:00	13.2	0.0120	29.5	0.0407	WNW	1.9
01/29/2026 15:15	13.6	0.0133	26.8	0.0247	WNW	2.2
01/29/2026 15:30	13.3	0.0133	20.7	0.0200	W	2.3
01/29/2026 15:45	14.7	0.0113	19.7	0.0200	W	1.7
01/29/2026 16:00	14.0	0.0100	22.7	0.0200	WSW	2.3
01/29/2026 16:15	14.6	0.0100	26.1	0.0347	W	3.0
01/29/2026 16:30	14.7	0.0100	25.9	0.0280	W	2.8
01/29/2026 16:45	14.0	0.0100	19.8	0.0200	W	2.6