

DAILY FIELD REPORT 191

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	X
TEMP.	< 32	X	32-50	X	50-70		70-85		>85	

BCP Project No:	C231153	Date:	February 19, 2024
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:50 am to 12:35 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	Langan Field Personnel: Mat Frankel (Environmental)
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Construction Manager: Consigli Construction Co., Inc. (Consigli)
Foundation Contractor: Urban Foundation/Engineering (Urban)
Remedial Injection Contractors: Brookside Environmental, Inc. (Brookside) and Coastal Environmental Solutions, Inc. (Coastal)

Work Activities Performed:

- Brookside and Coastal continued implementation of the groundwater injection program in the southern part of the site. Brookside and Coastal batch-mixed PetroFix® by Regenesis, dilution water, and an electron acceptor blend into an injectate solution. Brookside and Coastal continued injection points IP-19 and IP-20, and started injection points IP-26, IP-27, and IP-28.
 - IP-19 and IP-20 were completed using a total of about 30 gallons and 179 gallons of PetroFix injectate solution; respectively. IP-26, IP-27, and IP-28 were completed using a total of about 1,144 gallons of PetroFix injectate solution injected from 7 feet bgs to 23 feet bgs (elevation [el] -1 to el -16).

Material Tracking:

- No soil/fill was exported from the site.
- No material was imported to the site.

Materials Export Summary								
Facility Name	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
Location	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
Type of Waste	<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>C&D</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
		0	-	0	0	0	-	0
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	139	2,780	276	5,520	0	-	15	300

Materials Export Summary		
Facility Name	<i>Dale Transfer Corp.</i>	
Location	<i>West Babylon, NY</i>	
Type of Waste	<i>Concrete</i>	
Today	Number of Loads	Approx. Volume (CY)
		0
Total	Number of Loads	Approx. Volume (CY)
	2	40

Materials Import Summary						
Facility Name	<i>Greenpoint Quarry / North Shore Terminal</i>		<i>Stavola Bound Brook / North Shore Terminal</i>		<i>North American Aggregate Mining Operations</i>	
Location	<i>Staten Island, NY</i>		<i>Staten Island, NY</i>		<i>Perth Amboy, NJ</i>	
Type of Material	<i>ASTM #57 0.75-inch Stone</i>		<i>ASTM #2 2.5-inch Stone</i>		<i>Pipe Sand Backfill</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
		0	-	0	-	0
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
	6	120	3	60	0	-
Approved Quantity	-	500	-	200	-	300

Samples Collected:

- No samples were collected.

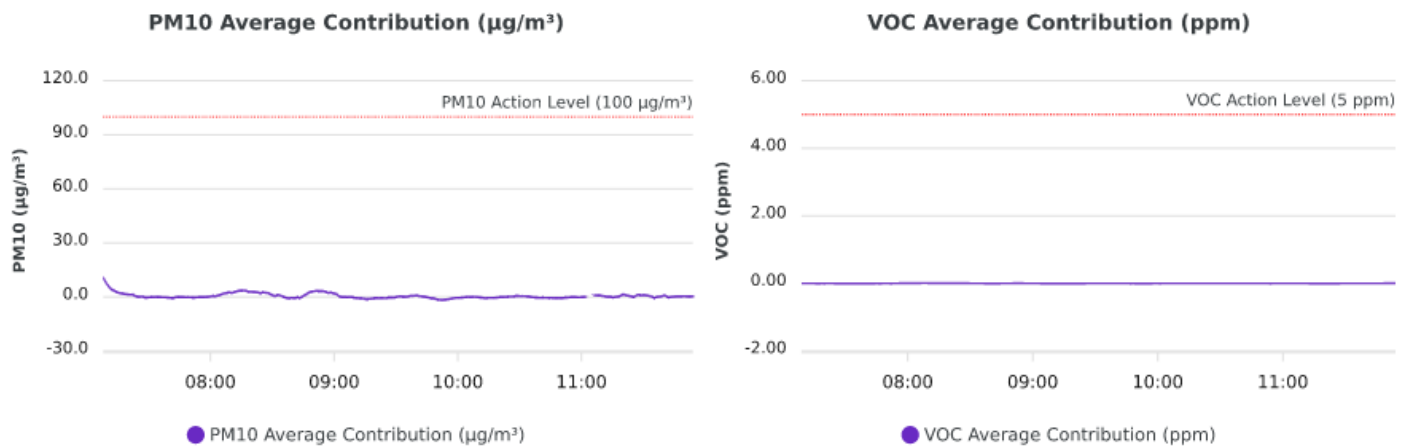
Air Monitoring:

The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m³ for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 100 µg/m³ or 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m ³)		Organic Vapor Monitoring (ppm)	
Daily Background	8.8	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-1.7	VOC Average Site Contribution (Minimum)	-0.01
PM10 Average Site Contribution (Maximum)	10.7	VOC Average Site Contribution (Maximum)	0.01

µg/m³: micrograms per cubic meter.

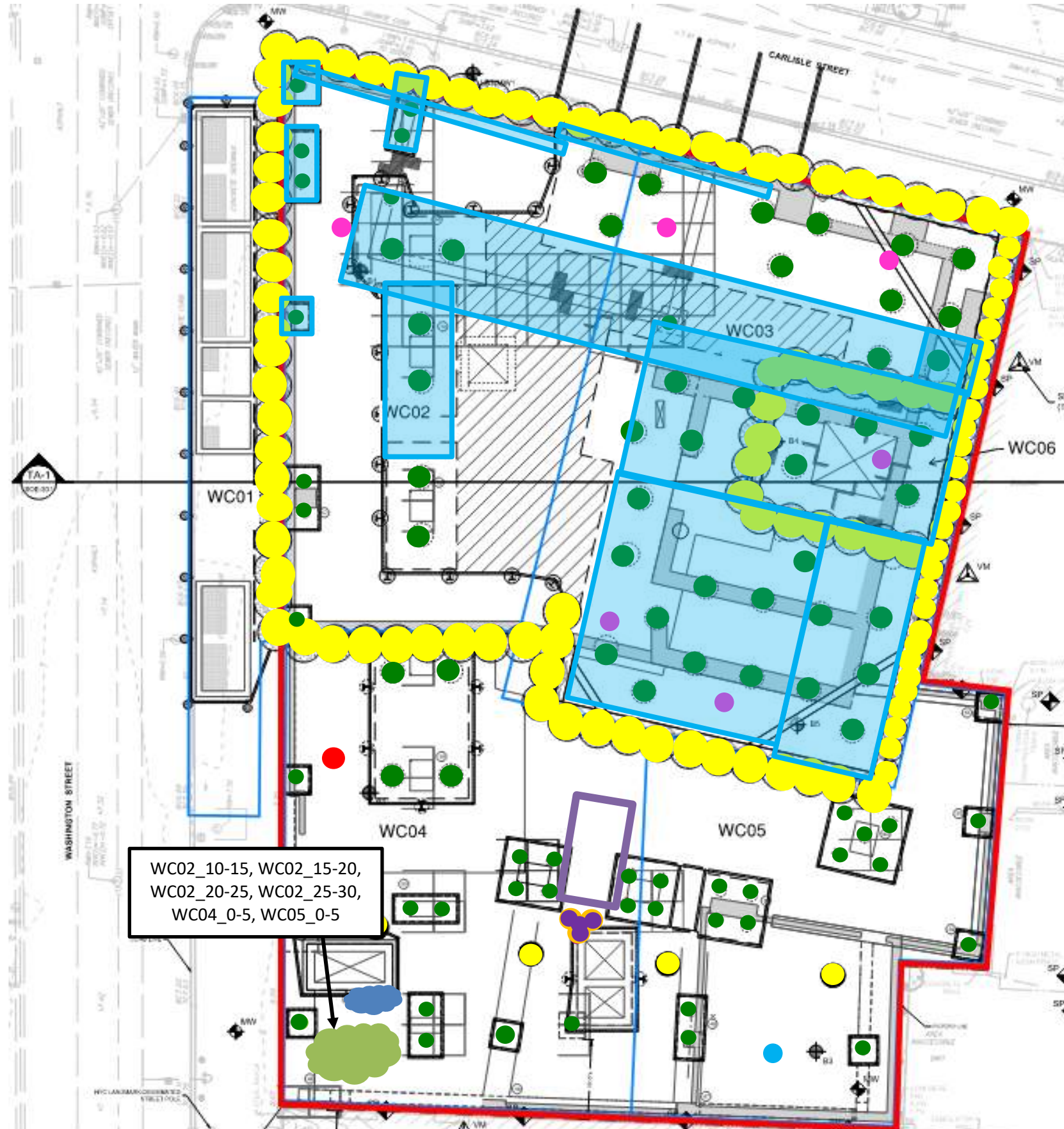
ppm: parts per million.



Planned Activities:

- Urban will continue to excavate and grade site soil/fill in support of foundation installation.
- Urban will continue to advance caissons and soldier piles.







SITE PLAN



- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile – Soil (no impacts)**
- **Stockpile – C&D**
- **Stockpile – Timber Piles**
- Approximate Location of Excavation**
- Approximate Area of Grading**
- Approximate Backfill Location**
- **Completed Soil-Mix Column**
- **Completed Caisson Casing**
- **Completed Caisson**
- **Reinstalled Soil-Mix Column as part of the In-Situ Stabilization of NAPL-contaminated Soil**
- **Soil-Mix Core Advanced**
- **Documentation Endpoint Sample**
- Completed Waterproofing Installation**
- Approximate Location of the Former UST**

Note: Waste characterization grid areas were developed by PT Consultants and Urban and is shown on this site plan for reference only.

SITE PLAN - PETROFIX GROUNDWATER TREATMENT AREA

-  Site Boundary
-  Groundwater Treatment Area
-  Proposed Petrofix Injection Point
-  In Progress Petrofix Injection
-  Completed Petrofix Injection
-  Pilot Test Boring Advanced

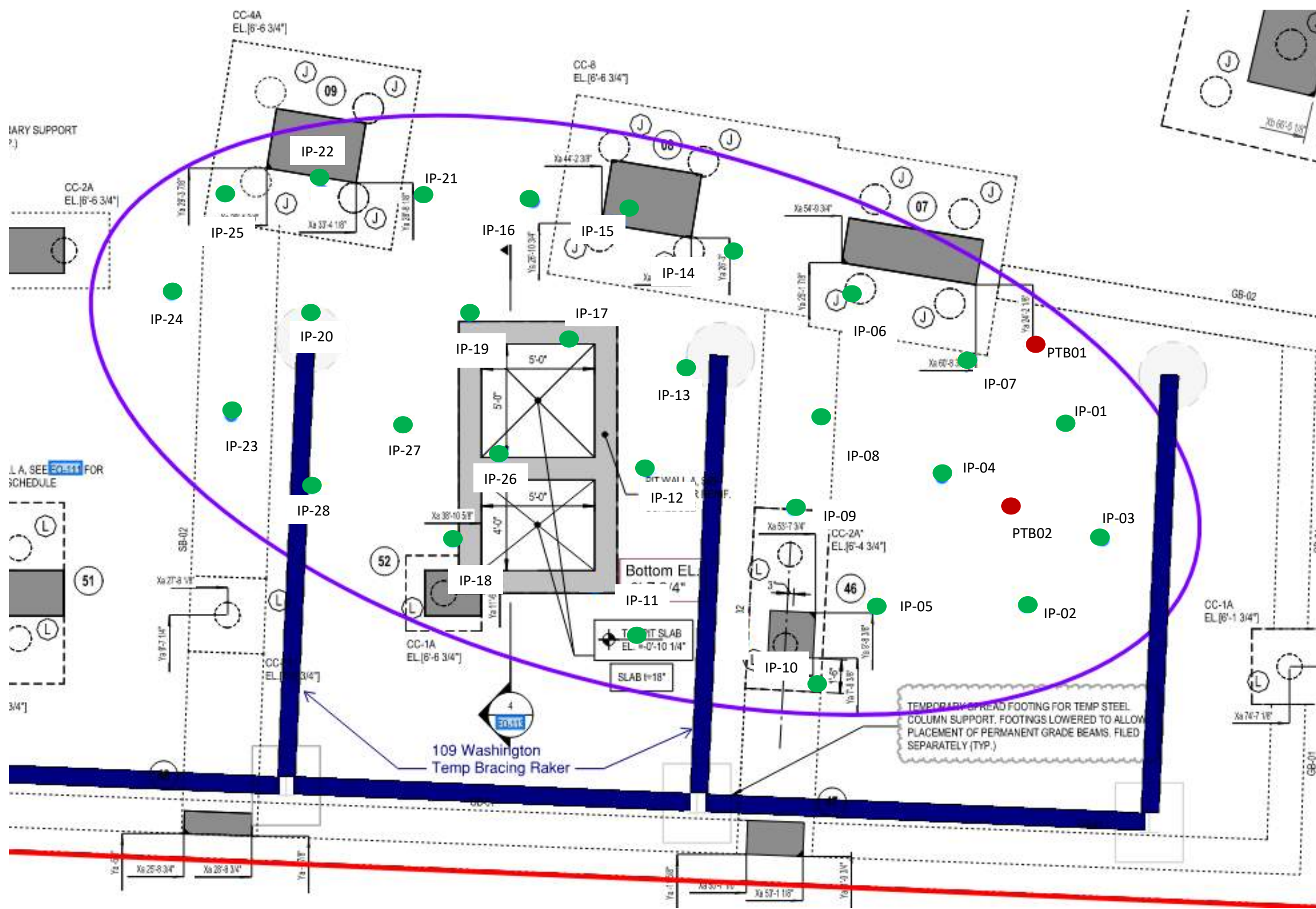


Photo Log

Photo 1: View of Brookside and Coastal injecting batch-mixed PetroFix® in the southern part of the site (facing southwest).



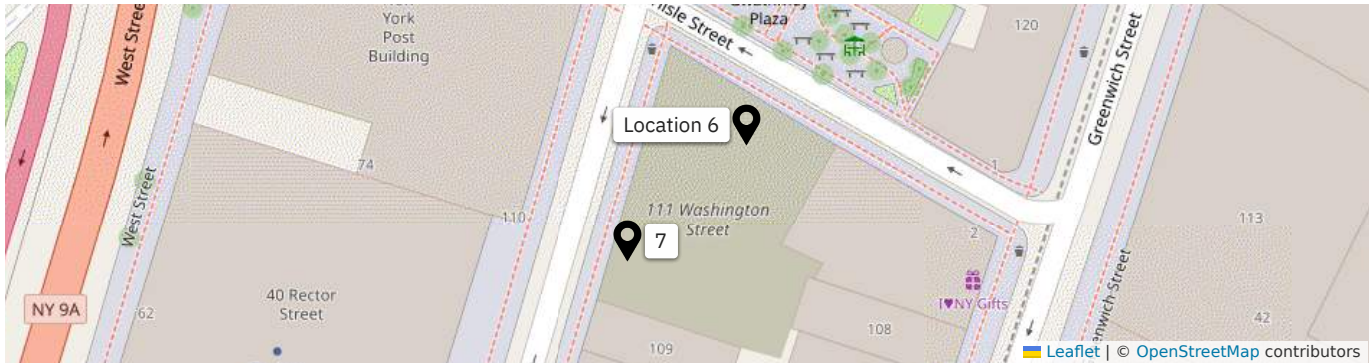
Photo 2: Coastal capping an injection point with bentonite (facing southwest).



LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	2/19/2024 06:00
		To:	2/19/2024 19:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

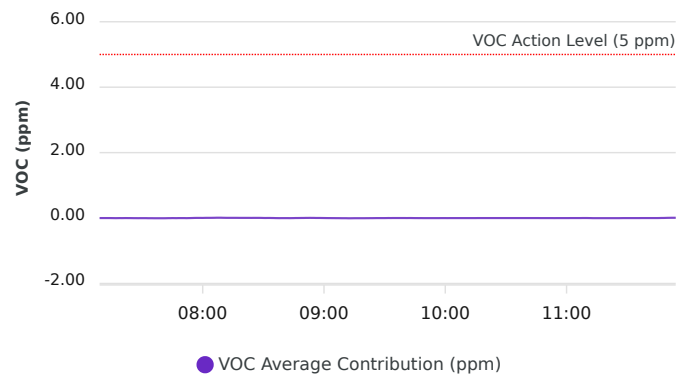
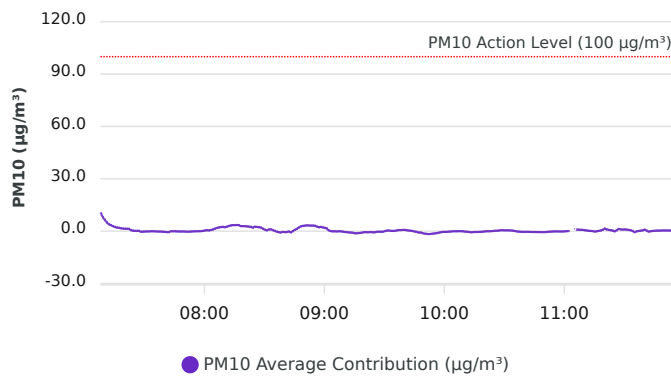
Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
2/19/2024	0.4-4.3	WSW

Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 2/19/2024	-1.7	09:52	-0.01	09:12
Max Contribution (15 min avg.) - 2/19/2024	10.7	07:08	0.01	08:07

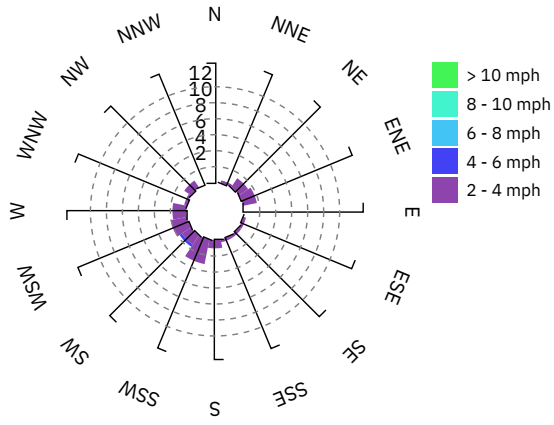


PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)

VOC Average Contribution (ppm)



Contribution wind rose (mph)



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 15 min Avg	Wind Direction
2/19/2024 07:08:00	8.8	19.5	10.7				2.5	S
2/19/2024 07:09:00	8.6	16.5	7.9	0.00	0.00	0.00	2.2	SSW
2/19/2024 07:10:00	8.3	14.8	6.5	0.00	0.00	0.00	2.0	SW
2/19/2024 07:11:00	8.4	13.5	5.0	0.00	0.00	0.00	1.8	SW
2/19/2024 07:12:00	8.5	12.4	4.0	0.00	0.00	0.00	1.6	WSW
2/19/2024 07:13:00	8.4	11.9	3.5	0.00	0.00	0.00	1.6	SW
2/19/2024 07:14:00	8.4	11.3	2.9	0.00	0.00	0.00	1.6	SW
2/19/2024 07:15:00	8.4	10.8	2.4	0.00	0.00	0.00	1.4	W
2/19/2024 07:16:00	8.4	10.5	2.0	0.00	0.00	0.00	1.4	S
2/19/2024 07:17:00	8.4	10.3	1.9	0.00	0.00	0.00	1.4	SW
2/19/2024 07:18:00	8.5	10.2	1.6	0.00	0.00	0.00	1.3	ESE
2/19/2024 07:19:00	8.5	10.0	1.5	0.00	0.00	0.00	1.3	N
2/19/2024 07:20:00	8.5	9.8	1.4	0.00	0.00	0.00	1.3	SW
2/19/2024 07:21:00	8.4	9.7	1.3	0.00	0.00	0.00	1.3	ENE
2/19/2024 07:22:00	8.2	9.6	1.4	0.00	0.00	0.00	1.3	NE
2/19/2024 07:23:00	8.2	8.8	0.6	0.00	0.00	0.00	1.2	SW
2/19/2024 07:24:00	8.1	8.4	0.3	0.00	0.00	0.00	1.1	SW
2/19/2024 07:25:00	8.0	8.1	0.1	0.01	0.00	0.00	1.1	SSW
2/19/2024 07:26:00	7.9	8.0	0.1	0.01	0.00	0.00	1.2	SW
2/19/2024 07:27:00	7.7	7.9	0.2	0.01	0.00	0.00	1.2	SSW
2/19/2024 07:28:00	8.3	7.8	-0.4	0.01	0.00	0.00	1.2	SW
2/19/2024 07:29:00	8.1	7.8	-0.3	0.01	0.00	0.00	1.2	N
2/19/2024 07:30:00	8.0	7.8	-0.2	0.01	0.00	0.00	1.3	SW
2/19/2024 07:31:00	7.9	7.7	-0.1	0.01	0.00	0.00	1.3	SW
2/19/2024 07:32:00	7.8	7.6	-0.2	0.01	0.00	0.00	1.2	S
2/19/2024 07:33:00	7.6	7.5	0.0	0.01	0.00	-0.01	1.2	SW
2/19/2024 07:34:00	7.4	7.4	-0.1	0.01	0.00	-0.01	1.2	ENE
2/19/2024 07:35:00	7.4	7.3	-0.1	0.01	0.00	-0.01	1.2	W
2/19/2024 07:36:00	7.3	7.2	-0.2	0.01	0.00	-0.01	1.2	SSW

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 15 min Avg	Wind Direction
2/19/2024 07:37:00	7.3	7.0	-0.3	0.01	0.00	-0.01	1.2	N
2/19/2024 07:38:00	7.2	7.0	-0.2	0.01	0.00	-0.01	1.2	WSW
2/19/2024 07:39:00	7.1	6.8	-0.3	0.01	0.00	-0.01	1.1	SSW
2/19/2024 07:40:00	7.0	6.6	-0.4	0.01	0.00	-0.01	1.1	SSW
2/19/2024 07:41:00	7.0	6.5	-0.5	0.01	0.00	-0.01	1.0	W
2/19/2024 07:42:00	6.9	6.3	-0.6	0.01	0.00	-0.01	0.9	NE
2/19/2024 07:43:00	6.2	6.2	0.0	0.01	0.00	0.00	0.9	NE
2/19/2024 07:44:00	6.2	6.1	-0.1	0.01	0.00	0.00	0.9	ENE
2/19/2024 07:45:00	6.1	6.0	-0.1	0.01	0.01	0.00	0.9	NNW
2/19/2024 07:46:00	6.0	5.9	-0.1	0.01	0.01	0.00	0.9	WNW
2/19/2024 07:47:00	6.0	5.8	-0.2	0.01	0.01	0.00	0.9	NW
2/19/2024 07:48:00	6.0	5.7	-0.2	0.01	0.01	0.00	0.9	N
2/19/2024 07:49:00	5.9	5.7	-0.1	0.01	0.01	0.00	0.9	NNE
2/19/2024 07:50:00	5.9	5.7	-0.3	0.01	0.01	0.00	0.8	WSW
2/19/2024 07:51:00	5.9	5.7	-0.3	0.01	0.01	0.00	0.9	SW
2/19/2024 07:52:00	6.0	5.6	-0.3	0.01	0.01	0.00	0.9	WSW
2/19/2024 07:53:00	5.9	5.7	-0.2	0.01	0.01	0.00	0.9	N
2/19/2024 07:54:00	5.9	5.8	-0.1	0.01	0.01	0.00	0.9	NE
2/19/2024 07:55:00	5.9	5.8	-0.1	0.01	0.01	0.00	1.0	NE
2/19/2024 07:56:00	5.9	5.9	-0.1	0.01	0.01	0.00	1.0	NE
2/19/2024 07:57:00	5.9	5.9	-0.1	0.01	0.01	0.01	1.0	NE
2/19/2024 07:58:00	6.0	5.9	0.0	0.01	0.01	0.01	1.0	ESE
2/19/2024 07:59:00	6.0	6.1	0.1	0.01	0.01	0.01	0.9	NE
2/19/2024 08:00:00	6.0	6.3	0.3	0.01	0.01	0.00	0.9	NE
2/19/2024 08:01:00	6.0	6.5	0.6	0.00	0.01	0.01	0.9	ENE
2/19/2024 08:02:00	6.2	6.5	0.3	0.00	0.01	0.01	0.9	SSE
2/19/2024 08:03:00	6.2	6.8	0.7	0.00	0.01	0.01	0.9	NE
2/19/2024 08:04:00	6.2	7.1	0.9	0.00	0.01	0.01	1.0	NE
2/19/2024 08:05:00	6.0	7.4	1.4	0.00	0.01	0.01	1.0	E

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 15 min Avg	Wind Direction
2/19/2024 08:06:00	6.0	7.8	1.8	0.00	0.01	0.01	1.0	ENE
2/19/2024 08:07:00	5.9	8.1	2.1	0.00	0.01	0.01	1.0	NNE
2/19/2024 08:08:00	6.0	8.3	2.3	0.00	0.01	0.01	1.0	NE
2/19/2024 08:09:00	6.0	8.5	2.5	0.00	0.01	0.01	0.9	NNE
2/19/2024 08:10:00	6.3	8.4	2.2	0.00	0.01	0.01	0.9	WNW
2/19/2024 08:11:00	6.2	8.8	2.5	0.00	0.01	0.01	0.9	NE
2/19/2024 08:12:00	6.1	9.1	2.9	0.00	0.01	0.01	0.9	ENE
2/19/2024 08:13:00	6.1	9.3	3.3	0.00	0.01	0.01	0.9	NNE
2/19/2024 08:14:00	6.0	9.5	3.5	0.00	0.01	0.01	0.9	NE
2/19/2024 08:15:00	6.1	9.5	3.4	0.00	0.01	0.01	0.9	ENE
2/19/2024 08:16:00	6.0	9.6	3.5	0.00	0.01	0.01	1.0	NNW
2/19/2024 08:17:00	6.0	9.5	3.5	0.00	0.01	0.01	1.0	W
2/19/2024 08:18:00	6.3	9.1	2.9	0.00	0.01	0.01	1.0	NW
2/19/2024 08:19:00	6.2	9.1	2.9	0.00	0.01	0.01	1.0	NE
2/19/2024 08:20:00	6.2	9.0	2.8	0.00	0.01	0.01	1.0	NNE
2/19/2024 08:21:00	6.1	8.9	2.8	0.00	0.01	0.01	1.0	N
2/19/2024 08:22:00	6.1	8.7	2.6	0.00	0.01	0.01	1.0	NNE
2/19/2024 08:23:00	6.2	8.6	2.5	0.00	0.01	0.01	1.0	NE
2/19/2024 08:24:00	6.4	8.3	1.9	0.00	0.01	0.01	1.0	WNW
2/19/2024 08:25:00	6.0	8.6	2.6	0.00	0.01	0.01	1.0	NNE
2/19/2024 08:26:00	6.1	8.5	2.4	0.00	0.01	0.01	1.0	NE
2/19/2024 08:27:00	6.1	8.3	2.3	0.00	0.01	0.01	1.0	NNE
2/19/2024 08:28:00	6.1	8.2	2.1	0.00	0.01	0.01	1.0	NNE
2/19/2024 08:29:00	6.4	7.8	1.4	0.00	0.01	0.01	1.0	WSW
2/19/2024 08:30:00	6.6	7.5	0.9	0.00	0.01	0.00	1.0	S
2/19/2024 08:31:00	6.9	7.3	0.4	0.00	0.01	0.00	1.0	WSW
2/19/2024 08:32:00	6.6	7.5	0.9	0.00	0.01	0.00	1.0	ESE
2/19/2024 08:33:00	6.4	7.5	1.1	0.00	0.01	0.00	0.9	WSW
2/19/2024 08:34:00	6.6	7.2	0.6	0.00	0.01	0.00	1.0	SW

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 15 min Avg	Wind Direction
2/19/2024 08:35:00	6.8	7.0	0.1	0.01	0.01	0.00	1.0	SW
2/19/2024 08:36:00	7.0	6.7	-0.3	0.01	0.01	0.00	1.0	NW
2/19/2024 08:37:00	7.0	6.4	-0.6	0.01	0.00	0.00	1.0	SW
2/19/2024 08:38:00	7.0	6.1	-0.8	0.01	0.00	0.00	1.0	SW
2/19/2024 08:39:00	6.7	6.2	-0.4	0.01	0.00	0.00	1.0	ENE
2/19/2024 08:40:00	6.6	6.0	-0.6	0.01	0.00	0.00	1.0	NE
2/19/2024 08:41:00	6.5	6.0	-0.5	0.01	0.00	0.00	1.0	NE
2/19/2024 08:42:00	6.4	6.3	-0.1	0.01	0.00	0.00	1.0	ENE
2/19/2024 08:43:00	6.8	6.0	-0.7	0.01	0.00	0.00	1.1	SSW
2/19/2024 08:44:00	6.4	6.3	-0.1	0.01	0.00	0.00	1.1	NNE
2/19/2024 08:45:00	5.9	6.6	0.8	0.01	0.01	0.00	1.1	N
2/19/2024 08:46:00	5.5	6.8	1.2	0.01	0.01	0.00	1.0	N
2/19/2024 08:47:00	5.4	7.5	2.1	0.01	0.01	0.00	1.1	N
2/19/2024 08:48:00	5.2	7.9	2.7	0.00	0.01	0.00	1.2	NNE
2/19/2024 08:49:00	4.9	7.9	3.0	0.00	0.01	0.00	1.1	N
2/19/2024 08:50:00	4.7	7.8	3.1	0.00	0.01	0.00	1.1	WSW
2/19/2024 08:51:00	4.3	7.7	3.4	0.00	0.01	0.01	1.1	NNE
2/19/2024 08:52:00	4.4	7.6	3.2	0.00	0.01	0.01	1.1	NW
2/19/2024 08:53:00	4.3	7.5	3.2	0.00	0.01	0.01	1.2	WSW
2/19/2024 08:54:00	4.3	7.5	3.2	0.00	0.01	0.01	1.2	N
2/19/2024 08:55:00	4.3	7.4	3.1	0.00	0.01	0.01	1.2	ESE
2/19/2024 08:56:00	4.4	7.1	2.7	0.00	0.01	0.00	1.1	SSW
2/19/2024 08:57:00	4.4	6.6	2.2	0.00	0.01	0.00	1.1	E
2/19/2024 08:58:00	4.1	6.6	2.5	0.00	0.01	0.00	1.1	SW
2/19/2024 08:59:00	4.1	6.2	2.2	0.00	0.01	0.00	1.2	SW
2/19/2024 09:00:00	4.0	5.9	1.9	0.00	0.00	0.00	1.2	WSW
2/19/2024 09:01:00	4.0	5.6	1.6	0.00	0.00	0.00	1.4	W
2/19/2024 09:02:00	4.0	4.4	0.4	0.00	0.00	0.00	1.4	SW
2/19/2024 09:03:00	3.9	3.9	0.1	0.00	0.00	0.00	1.3	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 15 min Avg	Wind Direction
2/19/2024 09:04:00	3.9	3.7	-0.2	0.00	0.00	0.00	1.4	WSW
2/19/2024 09:05:00	3.8	3.7	0.0	0.00	0.00	0.00	1.5	S
2/19/2024 09:06:00	3.9	3.6	-0.2	0.00	0.00	0.00	1.5	SW
2/19/2024 09:07:00	3.7	3.6	0.0	0.00	0.00	0.00	1.6	SSW
2/19/2024 09:08:00	3.7	3.6	-0.1	0.01	0.00	0.00	1.6	SSW
2/19/2024 09:09:00	3.7	3.4	-0.3	0.01	0.00	-0.01	1.7	SSW
2/19/2024 09:10:00	3.7	3.2	-0.5	0.01	0.00	-0.01	1.7	SSW
2/19/2024 09:11:00	3.6	3.1	-0.5	0.01	0.00	-0.01	1.8	WSW
2/19/2024 09:12:00	3.5	2.8	-0.8	0.01	0.00	-0.01	1.9	WSW
2/19/2024 09:13:00	3.4	2.6	-0.8	0.01	0.00	-0.01	2.0	SW
2/19/2024 09:14:00	3.3	2.4	-0.9	0.01	0.00	-0.01	2.0	W
2/19/2024 09:15:00	3.3	2.1	-1.2	0.01	0.00	-0.01	2.1	NW
2/19/2024 09:16:00	3.2	2.0	-1.3	0.01	0.00	-0.01	2.0	NW
2/19/2024 09:17:00	3.1	2.0	-1.1	0.01	0.00	-0.01	2.0	ENE
2/19/2024 09:18:00	3.0	2.0	-1.0	0.01	0.00	-0.01	2.1	NNE
2/19/2024 09:19:00	2.9	2.1	-0.8	0.01	0.00	-0.01	2.1	ENE
2/19/2024 09:20:00	2.7	2.2	-0.5	0.01	0.00	-0.01	2.1	NE
2/19/2024 09:21:00	2.7	2.0	-0.6	0.00	0.00	0.00	2.1	SSW
2/19/2024 09:22:00	2.6	2.0	-0.6	0.00	0.00	0.00	2.1	WSW
2/19/2024 09:23:00	2.5	2.0	-0.5	0.00	0.00	0.00	2.1	WNW
2/19/2024 09:24:00	2.6	1.9	-0.7	0.00	0.00	0.00	2.2	WSW
2/19/2024 09:25:00	2.5	1.8	-0.7	0.00	0.00	0.00	2.2	W
2/19/2024 09:26:00	2.3	1.9	-0.3	0.00	0.00	0.00	2.1	NE
2/19/2024 09:27:00	2.3	1.9	-0.3	0.00	0.00	0.00	2.1	SSW
2/19/2024 09:28:00	2.3	2.0	-0.3	0.00	0.00	0.00	2.0	SSW
2/19/2024 09:29:00	2.4	2.0	-0.4	0.00	0.00	0.00	2.1	W
2/19/2024 09:30:00	2.3	2.3	0.0	0.00	0.00	0.00	2.0	NNW
2/19/2024 09:31:00	2.3	2.6	0.3	0.00	0.00	0.00	2.0	NNW
2/19/2024 09:32:00	2.3	2.8	0.4	0.00	0.00	0.00	2.0	N

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 15 min Avg	Wind Direction
2/19/2024 09:33:00	2.5	2.6	0.1	0.00	0.00	0.00	1.9	W
2/19/2024 09:34:00	2.5	2.6	0.1	0.00	0.00	0.00	1.9	NNE
2/19/2024 09:35:00	2.5	2.6	0.1	0.00	0.00	0.00	1.8	NNE
2/19/2024 09:36:00	2.3	2.7	0.4	0.00	0.00	0.00	1.8	NE
2/19/2024 09:37:00	2.2	2.8	0.6	0.00	0.00	0.00	1.8	NE
2/19/2024 09:38:00	2.1	2.7	0.6	0.00	0.00	0.00	1.7	W
2/19/2024 09:39:00	2.0	2.7	0.7	0.00	0.00	0.00	1.6	SE
2/19/2024 09:40:00	2.0	2.8	0.7	0.00	0.00	0.00	1.7	SW
2/19/2024 09:41:00	2.2	2.7	0.5	0.00	0.00	0.00	1.8	W
2/19/2024 09:42:00	2.3	2.7	0.4	0.00	0.00	0.00	1.8	WSW
2/19/2024 09:43:00	2.4	2.7	0.2	0.00	0.00	0.00	1.7	WSW
2/19/2024 09:44:00	2.5	2.6	0.1	0.00	0.00	0.00	1.7	NW
2/19/2024 09:45:00	2.6	2.4	-0.3	0.00	0.00	0.00	1.6	NW
2/19/2024 09:46:00	2.7	2.3	-0.4	0.00	0.00	0.00	1.6	ENE
2/19/2024 09:47:00	2.8	2.0	-0.8	0.00	0.00	0.00	1.6	W
2/19/2024 09:48:00	2.8	2.0	-0.8	0.00	0.00	0.00	1.7	W
2/19/2024 09:49:00	3.0	1.8	-1.2	0.00	0.00	0.00	1.8	W
2/19/2024 09:50:00	3.1	1.6	-1.4	0.00	0.00	0.00	1.9	WSW
2/19/2024 09:51:00	3.1	1.5	-1.6	0.00	0.00	0.00	1.9	SE
2/19/2024 09:52:00	3.1	1.4	-1.7	0.00	0.00	0.00	1.9	S
2/19/2024 09:53:00	3.0	1.4	-1.6	0.00	0.00	0.00	1.9	NNE
2/19/2024 09:54:00	2.9	1.4	-1.5	0.00	0.00	0.00	1.9	S
2/19/2024 09:55:00	2.7	1.5	-1.3	0.00	0.00	0.00	1.7	NE
2/19/2024 09:56:00	2.6	1.5	-1.1	0.00	0.00	0.00	1.7	NE
2/19/2024 09:57:00	2.4	1.5	-0.9	0.00	0.00	0.00	1.7	SSW
2/19/2024 09:58:00	2.2	1.5	-0.6	0.00	0.00	0.00	1.7	WSW
2/19/2024 09:59:00	2.0	1.6	-0.4	0.00	0.00	0.00	1.7	SSW
2/19/2024 10:00:00	2.0	1.6	-0.4	0.00	0.00	0.00	1.8	SSW
2/19/2024 10:01:00	2.0	1.6	-0.4	0.00	0.00	0.00	1.9	SSW

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 15 min Avg	Wind Direction
2/19/2024 10:02:00	1.9	1.6	-0.3	0.00	0.00	0.00	1.9	SW
2/19/2024 10:03:00	1.9	1.7	-0.3	0.00	0.00	0.00	1.8	SSW
2/19/2024 10:04:00	1.9	1.8	-0.1	0.00	0.00	0.00	1.7	SSE
2/19/2024 10:05:00	1.8	1.8	0.0	0.00	0.00	0.00	1.7	SSE
2/19/2024 10:06:00	1.9	1.8	-0.1	0.00	0.00	0.00	1.7	SW
2/19/2024 10:07:00	1.9	1.9	0.0	0.00	0.00	0.00	1.6	N
2/19/2024 10:08:00	1.9	1.9	0.0	0.00	0.00	0.00	1.6	WSW
2/19/2024 10:09:00	1.9	1.9	-0.1	0.00	0.00	0.00	1.7	WNW
2/19/2024 10:10:00	2.1	1.8	-0.3	0.00	0.00	0.00	1.7	W
2/19/2024 10:11:00	2.2	1.8	-0.3	0.00	0.00	0.00	1.7	SSW
2/19/2024 10:12:00	2.3	1.8	-0.4	0.00	0.00	0.00	1.8	SSW
2/19/2024 10:13:00	2.5	1.8	-0.7	0.00	0.00	0.00	1.8	SSW
2/19/2024 10:14:00	2.4	1.9	-0.6	0.00	0.00	0.00	1.8	ENE
2/19/2024 10:15:00	2.4	1.9	-0.5	0.00	0.00	0.00	1.7	E
2/19/2024 10:16:00	2.4	1.9	-0.5	0.00	0.00	0.00	1.6	NNW
2/19/2024 10:17:00	2.4	1.9	-0.5	0.00	0.00	0.00	1.6	E
2/19/2024 10:18:00	2.3	1.9	-0.4	0.00	0.00	0.00	1.6	NE
2/19/2024 10:19:00	2.2	1.9	-0.3	0.00	0.00	0.00	1.5	SW
2/19/2024 10:20:00	2.3	2.1	-0.1	0.00	0.00	0.00	1.5	ENE
2/19/2024 10:21:00	2.3	2.3	0.0	0.00	0.00	0.00	1.5	N
2/19/2024 10:22:00	2.4	2.4	-0.1	0.00	0.00	0.00	1.5	SSE
2/19/2024 10:23:00	2.4	2.4	0.0	0.00	0.00	0.00	1.5	S
2/19/2024 10:24:00	2.4	2.4	0.1	0.00	0.00	0.00	1.5	N
2/19/2024 10:25:00	2.2	2.4	0.2	0.00	0.00	0.00	1.6	N
2/19/2024 10:26:00	2.2	2.4	0.2	0.00	0.00	0.00	1.6	SSW
2/19/2024 10:27:00	2.1	2.4	0.3	0.00	0.00	0.00	1.4	SSE
2/19/2024 10:28:00	1.8	2.4	0.6	0.00	0.00	0.00	1.4	S
2/19/2024 10:29:00	1.8	2.3	0.5	0.00	0.00	0.00	1.5	SSE
2/19/2024 10:30:00	1.9	2.3	0.4	0.00	0.00	0.00	1.5	SSW

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 15 min Avg	Wind Direction
2/19/2024 10:31:00	1.9	2.4	0.5	0.00	0.00	0.00	1.5	SSW
2/19/2024 10:32:00	1.9	2.4	0.5	0.00	0.00	0.00	1.5	W
2/19/2024 10:33:00	1.9	2.3	0.4	0.00	0.00	0.00	1.5	SSW
2/19/2024 10:34:00	1.9	2.3	0.3	0.00	0.00	0.00	1.5	WNW
2/19/2024 10:35:00	1.9	2.0	0.1	0.00	0.00	0.00	1.5	NW
2/19/2024 10:36:00	2.0	1.9	-0.1	0.00	0.00	0.00	1.5	WSW
2/19/2024 10:37:00	2.0	1.7	-0.3	0.00	0.00	0.00	1.5	WSW
2/19/2024 10:38:00	2.0	1.7	-0.4	0.00	0.00	0.00	1.4	SSE
2/19/2024 10:39:00	2.0	1.6	-0.4	0.00	0.00	0.00	1.4	S
2/19/2024 10:40:00	2.1	1.6	-0.4	0.00	0.00	0.00	1.5	SSW
2/19/2024 10:41:00	2.0	1.7	-0.4	0.00	0.00	0.00	1.4	ESE
2/19/2024 10:42:00	2.1	1.7	-0.4	0.00	0.00	0.00	1.4	S
2/19/2024 10:43:00	2.1	1.7	-0.5	0.00	0.00	0.00	1.5	SSE
2/19/2024 10:44:00	2.2	1.6	-0.5	0.00	0.00	0.00	1.4	SSW
2/19/2024 10:45:00	2.1	1.7	-0.5	0.00	0.00	0.00	1.5	SW
2/19/2024 10:46:00	2.1	1.6	-0.5	0.00	0.00	0.00	1.5	SW
2/19/2024 10:47:00	2.1	1.6	-0.5	0.00	0.00	0.00	1.4	W
2/19/2024 10:48:00	2.1	1.6	-0.5	0.00	0.00	0.00	1.4	SSW
2/19/2024 10:49:00	2.2	1.6	-0.6	0.00	0.00	0.00	1.5	SSW
2/19/2024 10:50:00	2.2	1.6	-0.5	0.00	0.00	0.00	1.5	SSW
2/19/2024 10:51:00	2.2	1.7	-0.5	0.00	0.00	0.00	1.5	SW
2/19/2024 10:52:00	2.2	1.8	-0.3	0.00	0.00	0.00	1.5	NNW
2/19/2024 10:53:00	2.2	1.9	-0.3	0.00	0.00	0.00	1.5	WSW
2/19/2024 10:54:00	2.2	2.0	-0.2	0.00	0.00	0.00	1.5	ESE
2/19/2024 10:55:00	2.2	2.0	-0.1	0.00	0.00	0.00	1.5	N
2/19/2024 10:56:00	2.2	2.0	-0.1	0.00	0.00	0.00	1.5	ENE
2/19/2024 10:57:00	2.2	2.0	-0.2	0.00	0.00	0.00	1.5	WSW
2/19/2024 10:58:00	2.2	2.0	-0.2	0.00	0.00	0.00	1.4	WSW
2/19/2024 10:59:00	2.2	2.0	-0.2	0.00	0.00	0.00	1.4	WSW

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 15 min Avg	Wind Direction
2/19/2024 11:00:00	2.1	2.0	-0.1	0.00	0.00	0.00	1.3	NNW
2/19/2024 11:01:00	2.0	2.0	0.0	0.00	0.00	0.00	1.3	N
2/19/2024 11:02:00	2.0	2.1	0.1	0.00	0.00	0.00	1.3	E
2/19/2024 11:03:00				0.00	0.00	0.00	1.4	NE
2/19/2024 11:04:00				0.00	0.00	0.00	1.3	NE
2/19/2024 11:05:00	0.8	2.2	1.3	0.00	0.00	0.00	1.3	N
2/19/2024 11:06:00	0.8	1.7	0.9	0.00	0.00	0.00	1.4	ENE
2/19/2024 11:07:00	0.8	1.7	0.9	0.00	0.00	0.00	1.4	E
2/19/2024 11:08:00	0.9	1.6	0.7	0.00	0.00	0.00	1.4	NNW
2/19/2024 11:09:00	0.9	1.6	0.7	0.00	0.00	0.00	1.4	ESE
2/19/2024 11:10:00	1.0	1.5	0.5	0.00	0.00	0.00	1.5	SW
2/19/2024 11:11:00	1.1	1.6	0.4	0.00	0.00	0.00	1.5	NW
2/19/2024 11:12:00	1.4	1.6	0.1	0.00	0.00	0.00	1.5	SW
2/19/2024 11:13:00	1.5	1.6	0.1	0.00	0.00	0.00	1.5	SSE
2/19/2024 11:14:00	1.5	1.6	0.1	0.00	0.00	0.00	1.5	SW
2/19/2024 11:15:00	1.9	1.6	-0.3	0.00	0.00	0.00	1.6	NW
2/19/2024 11:16:00	1.8	1.8	-0.1	0.00	0.00	0.00	1.6	NE
2/19/2024 11:17:00	1.8	1.9	0.1	0.00	0.00	0.00	1.7	NE
2/19/2024 11:18:00	1.7	2.0	0.3	0.00	0.00	0.00	1.7	N
2/19/2024 11:19:00	1.6	2.4	0.7	0.00	0.00	0.00	1.7	NNE
2/19/2024 11:20:00	1.6	3.1	1.5	0.00	0.00	0.00	1.7	NE
2/19/2024 11:21:00	2.1	3.1	1.0	0.00	0.00	0.00	1.7	WSW
2/19/2024 11:22:00	2.4	3.1	0.7	0.00	0.00	0.00	1.7	NW
2/19/2024 11:23:00	2.6	3.2	0.6	0.00	0.00	0.00	1.7	W
2/19/2024 11:24:00	2.9	3.2	0.3	0.00	0.00	0.00	1.7	NW
2/19/2024 11:25:00	3.4	3.3	-0.1	0.00	0.00	0.00	1.7	NW
2/19/2024 11:26:00	3.4	3.9	0.5	0.00	0.00	0.00	1.7	ENE
2/19/2024 11:27:00	3.2	4.5	1.3	0.00	0.00	0.00	1.7	NE
2/19/2024 11:28:00	3.4	4.5	1.0	0.00	0.00	0.00	1.8	SSE

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 15 min Avg	Wind Direction
2/19/2024 11:29:00	3.6	4.4	0.8	0.00	0.00	0.00	1.7	WSW
2/19/2024 11:30:00	3.4	4.5	1.1	0.00	0.00	0.00	1.7	SW
2/19/2024 11:31:00	3.4	4.3	0.9	0.00	0.00	0.00	1.8	SW
2/19/2024 11:32:00	3.4	4.1	0.7	0.00	0.00	0.00	1.8	SW
2/19/2024 11:33:00	3.4	3.9	0.5	0.00	0.00	0.00	1.8	N
2/19/2024 11:34:00	3.4	3.5	0.1	0.00	0.00	0.00	1.8	N
2/19/2024 11:35:00	3.4	2.8	-0.7	0.00	0.00	0.00	1.8	NE
2/19/2024 11:36:00	2.9	2.8	-0.1	0.00	0.00	0.00	1.8	NE
2/19/2024 11:37:00	2.6	2.7	0.1	0.00	0.00	0.00	1.8	ENE
2/19/2024 11:38:00	2.4	2.7	0.2	0.00	0.00	0.00	1.8	ENE
2/19/2024 11:39:00	2.2	2.6	0.4	0.00	0.00	0.00	1.8	E
2/19/2024 11:40:00	1.6	2.5	0.9	0.00	0.00	0.00	1.8	ENE
2/19/2024 11:41:00	1.6	1.9	0.3	0.00	0.00	0.00	1.8	ENE
2/19/2024 11:42:00	1.6	1.2	-0.3	0.00	0.00	0.00	1.8	NE
2/19/2024 11:43:00	1.3	1.3	0.0	0.00	0.00	0.00	1.9	ENE
2/19/2024 11:44:00	1.1	1.3	0.1	0.00	0.00	0.00	1.9	SE
2/19/2024 11:45:00	1.1	1.3	0.2	0.00	0.00	0.00	1.8	W
2/19/2024 11:46:00	1.1	1.3	0.3	0.00	0.00	0.00	1.8	SSW
2/19/2024 11:47:00	1.1	1.4	0.3	0.00	0.00	0.00	1.7	SSE
2/19/2024 11:48:00	1.1	1.5	0.3	0.00	0.00	0.00	1.8	ENE
2/19/2024 11:49:00	1.2	1.6	0.4	0.00	0.01	0.01	1.8	SE
2/19/2024 11:50:00	1.2	1.6	0.4	0.00	0.01	0.01	1.8	NE
2/19/2024 11:51:00	1.3	1.6	0.3	0.00	0.01	0.01	1.8	NE
2/19/2024 11:52:00	1.3	1.6	0.4	0.00	0.01	0.01	1.7	ENE
2/19/2024 11:53:00	1.3	1.6	0.3	0.00	0.01	0.01	1.7	SE
2/19/2024 11:54:00	1.3	1.6	0.3	0.00	0.01	0.01	1.8	SW