

DAILY FIELD REPORT 257

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	August 1, 2024
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	7:00 am to 3:30 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Langan Field Personnel:
Pepper Greenley (Environmental)

Construction Manager: Consigli Construction Co., Inc. (Consigli)

Foundation Contractor: Urban Foundation/Engineering (Urban)

Work Activities Performed:

- Urban used hand tools to excavate an about 4-foot-long by 2-foot-wide area to about 4 feet below grade surface (bgs) in the southern part of grid WC04 for the installation of utilities. Excavated material consisted of previously backfilled clean sand imported from the North American Aggregate Mining Operations; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a release were not observed. The excavated clean sand was stockpiled adjacent to the excavation area.
- Urban used hand tools to remove concrete from an about 4-foot-long by 1-foot-wide area in the southern part of the site for rebar installation. Construction and demolition (C&D) debris was stockpiled adjacent to the area of excavation, pending future off-site disposal.
- Urban installed waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the northern part of the site. Waterproofing/vapor barrier installation observation and documentation is to verify general conformance with specifications and contract documents.

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	-
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	337	6,740	0	-	17	340

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>Tilcon Clinton Point Quarry / Pier J – Brooklyn Navy Yard</i>		<i>Stavola Bound Brook / North Shore Terminal</i>		<i>North American Aggregate Mining Operations</i>	
Location	<i>Staten Island, NY</i>		<i>Brooklyn, 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 #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)	Number of Loads	Approx. Volume (CY)
	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	Approx. Volume (CY)
	6	120	0	-	3	60	32	544
Approved Quantity	-	500	-	500	-	200	-	600

Samples Collected:

- No samples collected.

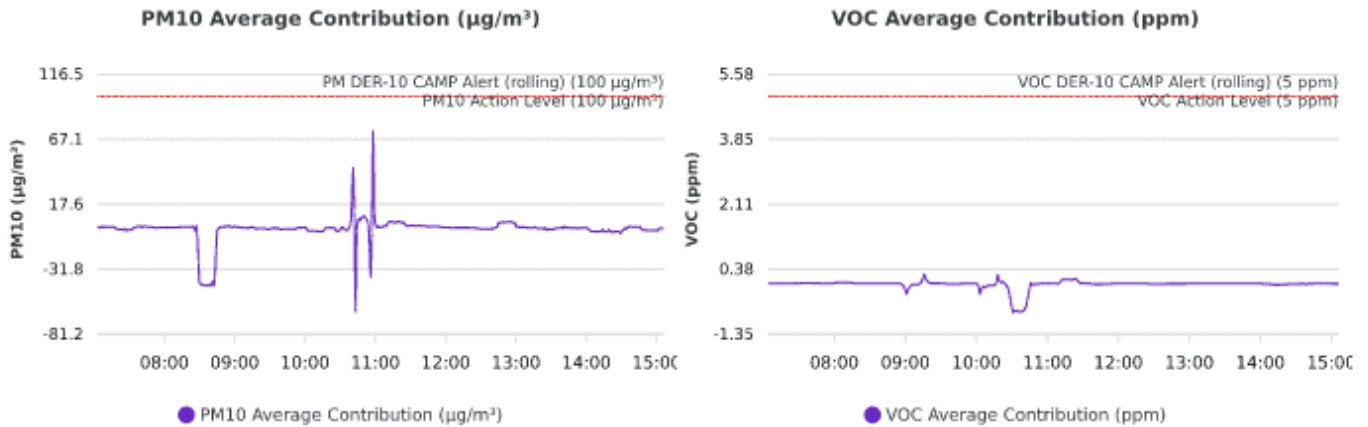
Air Monitoring:

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	11.4	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-64.7	VOC Average Site Contribution (Minimum)	-0.77
PM10 Average Site Contribution (Maximum)	74.2	VOC Average Site Contribution (Maximum)	0.25

µg/m³: micrograms per cubic meter.

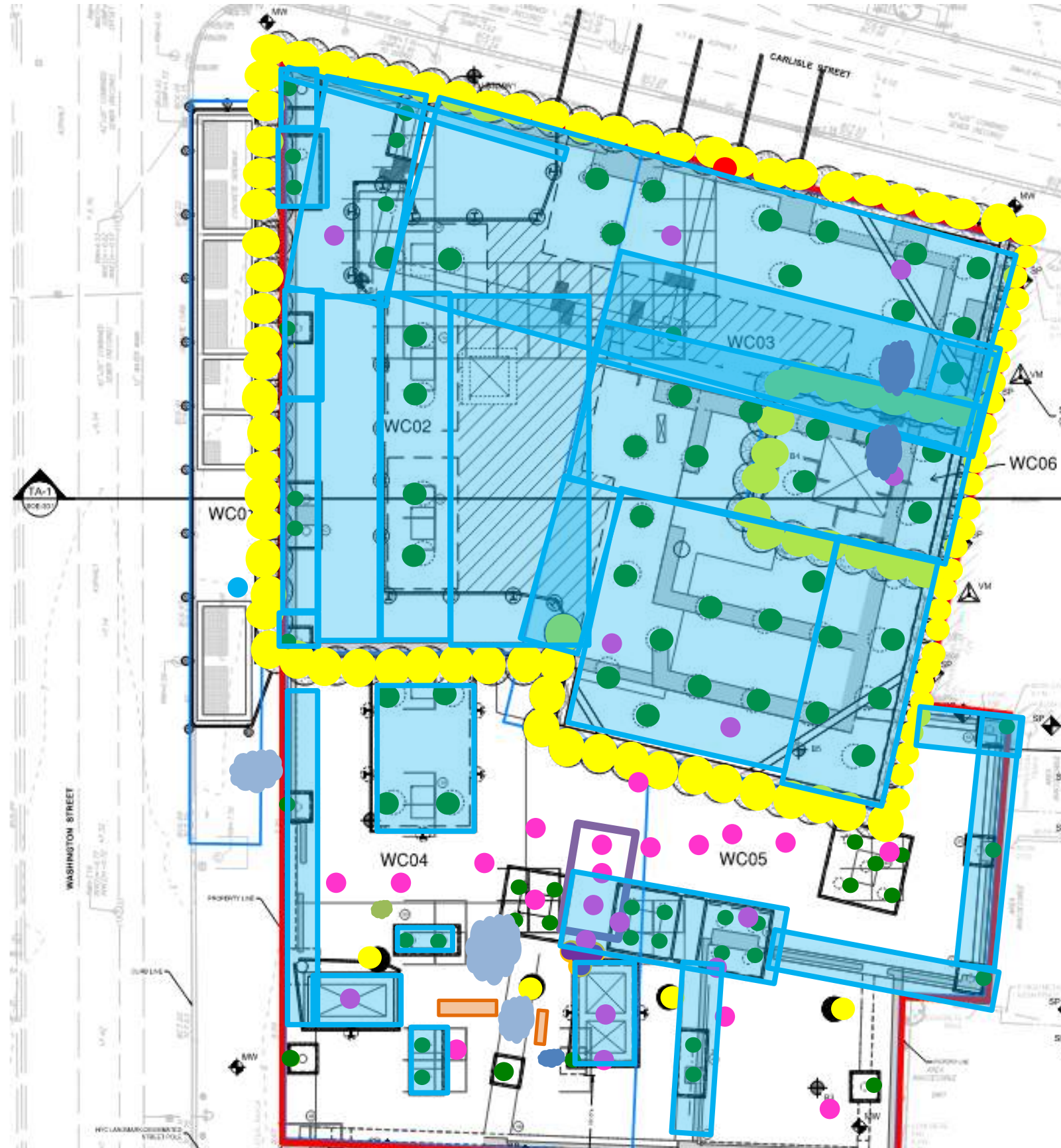
ppm: parts per million.



Planned Activities:

- Urban will continue to backfill, excavate, remove concrete, and install foundation elements throughout the site.
- Urban will continue to install waterproofing/vapor barrier membranes throughout the site.







SITE PLAN



- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile – Soil (no impacts)**
- **Stockpile – C&D**
- **Stockpile – Imported Clean Fill**
- 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**

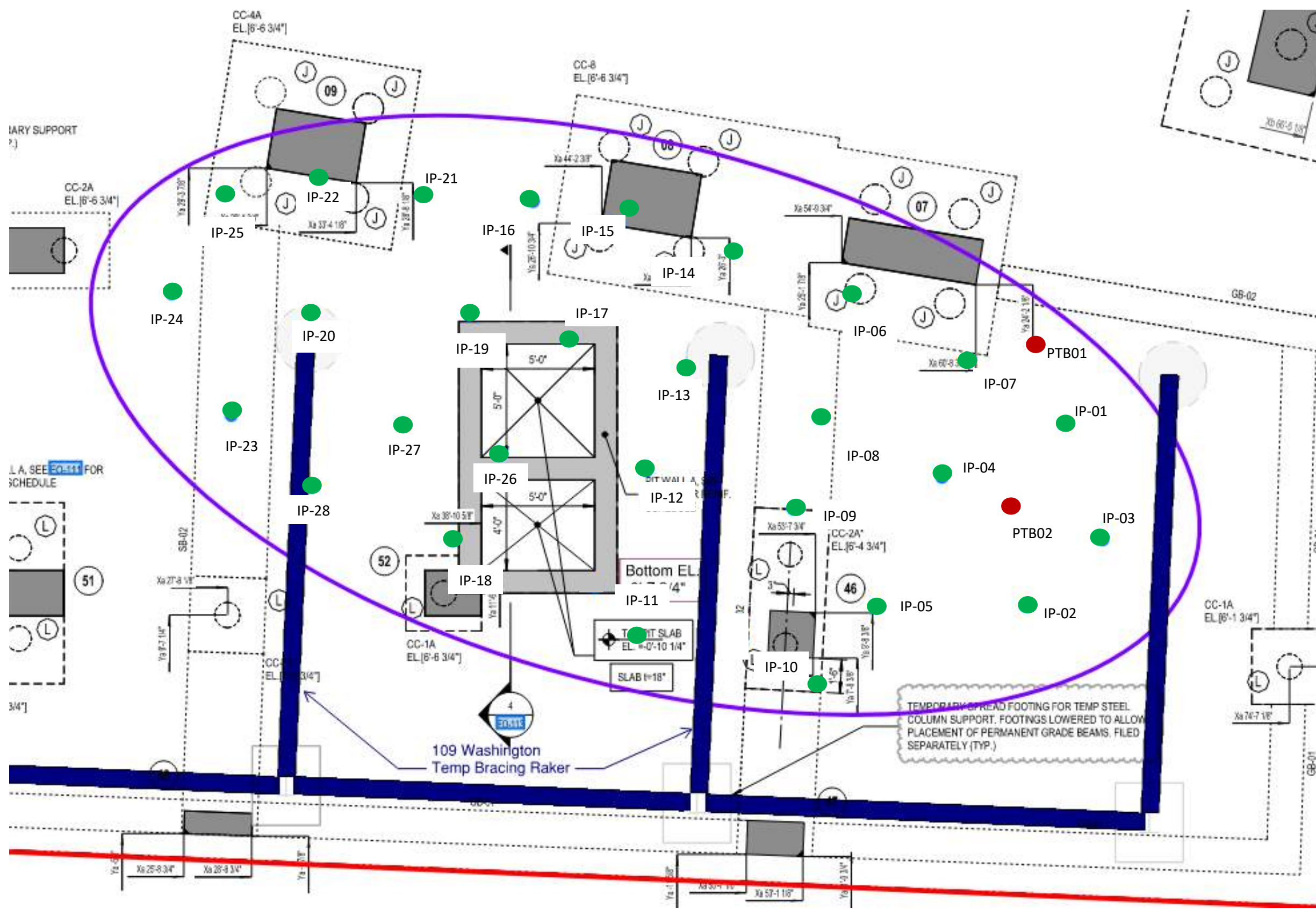


Photo Log

Photo 1: General view of the site (facing southwest).



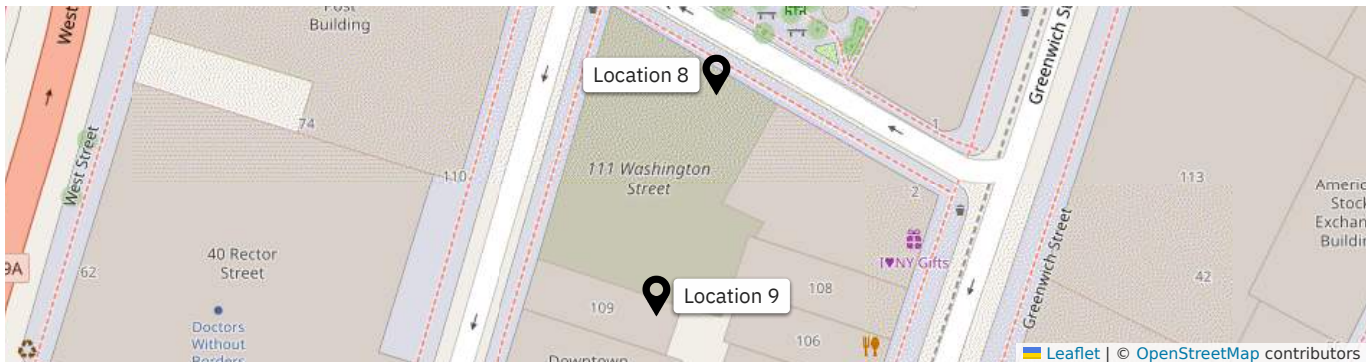
Photo 2: View of excavated area in the southern part of grid WC04 (facing southwest).



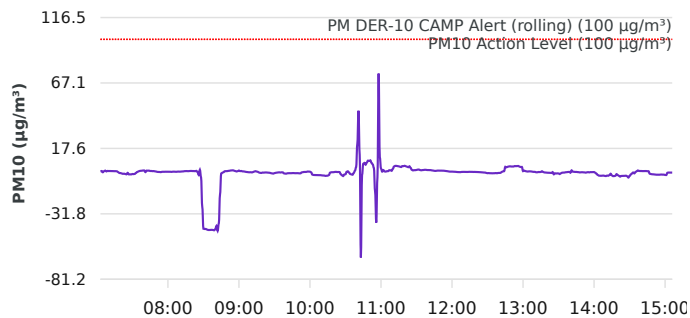
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	8/1/2024 00:00
		To:	8/1/2024 23:59
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
8/1/2024	0.1-2.8	NW

Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 8/1/2024	-64.7	10:43	-0.77	10:31
Max Contribution (15 min avg.) - 8/1/2024	74.2	10:58	0.25	09:16

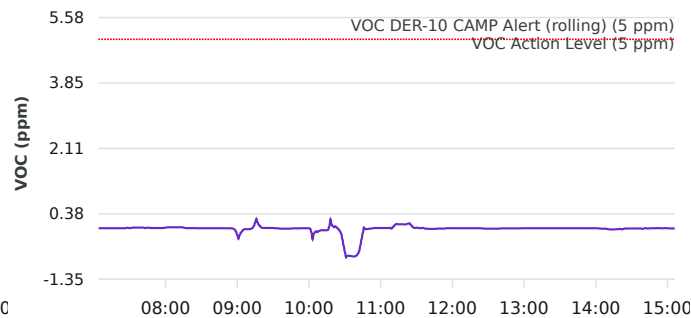


PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)



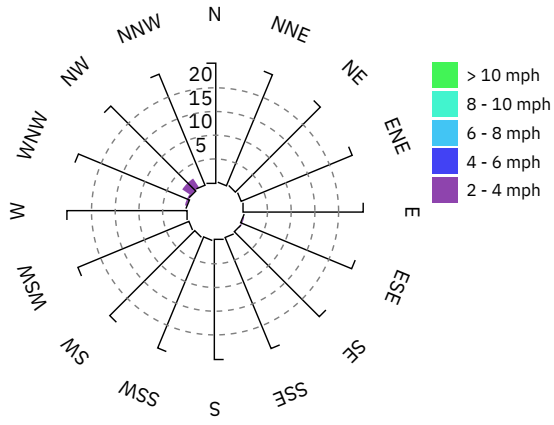
● PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)

VOC Average Contribution (ppm)



● 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
8/1/2024 07:03:00	11.4	11.7	0.3				1.1	SE
8/1/2024 07:04:00	11.0	11.6	0.6	0.00	0.00	0.00	0.4	NW
8/1/2024 07:05:00	11.5	11.1	-0.4	0.00	0.00	0.00	0.4	SE
8/1/2024 07:06:00	11.2	11.6	0.4	0.00	0.00	0.00	0.1	WNW
8/1/2024 07:07:00	11.0	11.9	0.9	0.00	0.00	0.00	0.2	WNW
8/1/2024 07:08:00	11.3	11.6	0.3	0.00	0.00	0.00	0.2	SSW
8/1/2024 07:09:00	11.2	11.8	0.6	0.00	0.00	0.00	0.1	NE
8/1/2024 07:10:00	11.0	11.6	0.5	0.00	0.00	0.00	0.1	SSW
8/1/2024 07:11:00	10.9	11.4	0.6	0.00	0.00	0.00	0.2	S
8/1/2024 07:12:00	10.7	11.2	0.5	0.00	0.00	0.00	0.2	SW
8/1/2024 07:13:00	10.6	11.1	0.5	0.00	0.00	0.00	0.2	W
8/1/2024 07:14:00	10.5	10.9	0.5	0.00	0.00	0.00	0.2	W
8/1/2024 07:15:00	10.4	10.8	0.4	0.00	0.00	0.00	0.2	WNW
8/1/2024 07:16:00	10.2	10.7	0.4	0.00	0.00	0.00	0.2	NE
8/1/2024 07:17:00	10.2	10.6	0.3	0.00	0.00	0.00	0.2	SE
8/1/2024 07:18:00	10.8	10.4	-0.3	0.00	0.00	0.00	0.2	SE
8/1/2024 07:19:00	11.3	10.3	-0.9	0.00	0.00	0.00	0.2	SE
8/1/2024 07:20:00	11.3	10.3	-1.0	0.00	0.00	0.00	0.2	S
8/1/2024 07:21:00	11.3	10.0	-1.3	0.00	0.00	0.00	0.2	SE
8/1/2024 07:22:00	11.3	9.7	-1.6	0.00	0.00	0.00	0.3	SE
8/1/2024 07:23:00	11.0	9.6	-1.4	0.00	0.00	0.00	0.3	SSW
8/1/2024 07:24:00	11.1	9.3	-1.7	0.00	0.00	0.00	0.3	SE
8/1/2024 07:25:00	11.2	9.3	-1.9	0.00	0.00	0.00	0.3	SE
8/1/2024 07:26:00	15.8	14.9	-0.8	0.00	0.00	0.00	0.3	WSW
8/1/2024 07:27:00	20.7	18.7	-2.0	0.00	0.01	0.01	0.2	WNW
8/1/2024 07:28:00	21.5	19.5	-2.0	0.00	0.02	0.01	0.2	NW
8/1/2024 07:29:00	21.9	19.9	-2.0	0.01	0.02	0.01	0.1	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 15 min Avg	Wind Direction
8/1/2024 07:30:00	22.1	20.4	-1.7	0.02	0.02	0.00	0.1	WNW
8/1/2024 07:31:00	22.4	20.6	-1.8	0.02	0.03	0.01	0.1	WNW
8/1/2024 07:32:00	22.5	20.9	-1.6	0.02	0.04	0.01	0.1	SSE
8/1/2024 07:33:00	21.9	21.0	-0.9	0.02	0.04	0.01	0.1	SSE
8/1/2024 07:34:00	21.4	21.1	-0.2	0.02	0.04	0.02	0.1	SE
8/1/2024 07:35:00	21.2	21.4	0.2	0.02	0.04	0.02	0.1	ESE
8/1/2024 07:36:00	21.1	21.7	0.6	0.02	0.04	0.02	0.2	ESE
8/1/2024 07:37:00	21.1	21.8	0.7	0.02	0.04	0.02	0.2	SE
8/1/2024 07:38:00	21.1	21.9	0.8	0.02	0.04	0.02	0.2	ESE
8/1/2024 07:39:00	20.9	21.9	1.0	0.02	0.04	0.02	0.2	NE
8/1/2024 07:40:00	20.9	21.9	1.0	0.02	0.04	0.02	0.2	ESE
8/1/2024 07:41:00	16.4	16.1	-0.3	0.02	0.04	0.02	0.2	SE
8/1/2024 07:42:00	11.5	12.4	0.9	0.02	0.03	0.01	0.3	E
8/1/2024 07:43:00	10.7	11.6	0.8	0.02	0.02	0.00	0.3	NNE
8/1/2024 07:44:00	10.4	11.3	0.9	0.01	0.02	0.01	0.4	WNW
8/1/2024 07:45:00	10.2	10.8	0.6	0.00	0.02	0.02	0.4	WNW
8/1/2024 07:46:00	10.1	10.7	0.6	0.00	0.01	0.01	0.5	SE
8/1/2024 07:47:00	10.0	10.4	0.5	0.00	0.01	0.01	0.5	SE
8/1/2024 07:48:00	9.9	10.4	0.5	0.00	0.01	0.01	0.5	E
8/1/2024 07:49:00	9.9	10.2	0.3	0.00	0.01	0.01	0.5	SE
8/1/2024 07:50:00	9.8	10.0	0.2	0.00	0.01	0.01	0.4	SE
8/1/2024 07:51:00	9.8	9.7	-0.1	0.00	0.01	0.01	0.4	ENE
8/1/2024 07:52:00	9.7	9.6	-0.1	0.00	0.01	0.01	0.3	SSE
8/1/2024 07:53:00	9.8	9.6	-0.2	0.00	0.01	0.01	0.3	WNW
8/1/2024 07:54:00	9.9	9.6	-0.3	0.00	0.01	0.01	0.2	WNW
8/1/2024 07:55:00	9.7	9.7	0.0	0.01	0.01	0.01	0.2	SSE
8/1/2024 07:56:00	9.7	9.7	0.0	0.01	0.01	0.01	0.2	S
8/1/2024 07:57:00	9.7	9.7	0.0	0.01	0.02	0.01	0.1	NNW

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
8/1/2024 07:58:00	9.7	9.7	0.0	0.01	0.02	0.01	0.1	WNW
8/1/2024 07:59:00	9.6	9.7	0.0	0.02	0.03	0.01	0.1	ESE
8/1/2024 08:00:00	9.6	9.6	0.0	0.02	0.03	0.01	0.2	E
8/1/2024 08:01:00	9.6	9.6	0.0	0.02	0.04	0.02	0.2	ESE
8/1/2024 08:02:00	9.5	9.5	0.0	0.02	0.04	0.03	0.2	E
8/1/2024 08:03:00	9.5	9.4	-0.1	0.02	0.04	0.03	0.2	ESE
8/1/2024 08:04:00	9.5	9.5	0.0	0.02	0.04	0.03	0.1	ESE
8/1/2024 08:05:00	9.5	9.6	0.1	0.02	0.04	0.03	0.1	W
8/1/2024 08:06:00	9.6	9.6	0.0	0.02	0.04	0.03	0.0	W
8/1/2024 08:07:00	9.7	9.6	0.0	0.02	0.04	0.03	0.0	ESE
8/1/2024 08:08:00	9.6	9.7	0.1	0.02	0.04	0.03	0.1	NW
8/1/2024 08:09:00	9.6	9.7	0.1	0.02	0.04	0.03	0.1	NW
8/1/2024 08:10:00	9.6	9.7	0.1	0.02	0.04	0.02	0.0	NW
8/1/2024 08:11:00	9.5	9.7	0.1	0.01	0.04	0.03	0.1	SSW
8/1/2024 08:12:00	9.5	9.7	0.2	0.01	0.04	0.03	0.1	SE
8/1/2024 08:13:00	9.5	9.7	0.3	0.01	0.04	0.03	0.1	ESE
8/1/2024 08:14:00	9.5	9.9	0.5	0.01	0.03	0.03	0.2	SE
8/1/2024 08:15:00	9.4	9.9	0.5	0.00	0.02	0.02	0.2	SE
8/1/2024 08:16:00	9.5	10.0	0.5	0.00	0.01	0.01	0.2	SE
8/1/2024 08:17:00	9.7	10.1	0.4	0.00	0.01	0.00	0.2	SE
8/1/2024 08:18:00	9.7	10.2	0.5	0.00	0.01	0.00	0.2	ESE
8/1/2024 08:19:00	9.7	10.3	0.6	0.00	0.01	0.00	0.2	ESE
8/1/2024 08:20:00	9.7	10.3	0.6	0.00	0.01	0.00	0.2	E
8/1/2024 08:21:00	9.8	10.3	0.5	0.00	0.00	0.00	0.3	S
8/1/2024 08:22:00	9.8	10.3	0.5	0.00	0.00	0.00	0.2	WNW
8/1/2024 08:23:00	9.9	10.3	0.4	0.00	0.00	0.00	0.3	E
8/1/2024 08:24:00	10.0	10.7	0.7	0.00	0.00	0.00	0.3	N
8/1/2024 08:25:00	10.9	10.7	-0.2	0.00	0.00	0.00	0.3	SE

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
8/1/2024 08:26:00	13.2	10.8	-2.4	0.00	0.00	0.00	0.4	ESE
8/1/2024 08:27:00	13.3	14.8	1.5	0.00	0.00	0.00	0.4	ESE
8/1/2024 08:28:00	19.1	14.9	-4.2	0.00	0.00	0.00	0.4	ESE
8/1/2024 08:29:00	41.3	14.9	-26.4	0.00	0.00	0.00	0.3	SE
8/1/2024 08:30:00	58.1	15.1	-43.0	0.00	0.00	0.00	0.3	SSE
8/1/2024 08:31:00	58.4	15.2	-43.2	0.00	0.00	0.00	0.3	SE
8/1/2024 08:32:00	58.5	15.3	-43.2	0.00	0.00	0.00	0.3	ESE
8/1/2024 08:33:00	59.0	15.3	-43.6	0.00	0.00	0.00	0.4	ESE
8/1/2024 08:34:00	59.4	15.5	-44.0	0.00	0.00	0.00	0.4	ESE
8/1/2024 08:35:00	59.7	15.7	-44.0	0.00	0.00	0.00	0.3	NNW
8/1/2024 08:36:00	59.8	15.9	-43.9	0.00	0.00	0.00	0.4	ESE
8/1/2024 08:37:00	59.9	16.1	-43.9	0.00	0.00	0.00	0.4	SE
8/1/2024 08:38:00	60.1	16.2	-43.9	0.00	0.00	0.00	0.4	SE
8/1/2024 08:39:00	60.3	16.1	-44.2	0.00	0.00	0.00	0.5	ESE
8/1/2024 08:40:00	59.6	16.2	-43.4	0.00	0.00	0.00	0.5	ESE
8/1/2024 08:41:00	57.5	16.5	-40.9	0.00	0.00	0.00	0.4	E
8/1/2024 08:42:00	57.7	13.0	-44.7	0.00	0.00	0.00	0.4	ENE
8/1/2024 08:43:00	52.5	13.6	-39.0	0.00	0.00	0.00	0.4	SW
8/1/2024 08:44:00	31.2	13.9	-17.3	0.00	0.00	0.00	0.3	NW
8/1/2024 08:45:00	15.3	14.0	-1.3	0.00	0.00	0.00	0.3	ESE
8/1/2024 08:46:00	15.3	14.6	-0.7	0.00	0.00	0.00	0.3	SE
8/1/2024 08:47:00	15.3	14.9	-0.3	0.00	0.00	0.00	0.3	ESE
8/1/2024 08:48:00	14.8	15.1	0.4	0.00	0.00	0.00	0.3	NE
8/1/2024 08:49:00	14.6	15.1	0.5	0.00	0.00	0.00	0.2	WNW
8/1/2024 08:50:00	14.6	15.0	0.5	0.00	0.00	0.00	0.3	ESE
8/1/2024 08:51:00	14.4	15.1	0.7	0.00	0.00	0.00	0.2	ESE
8/1/2024 08:52:00	14.3	15.0	0.8	0.00	0.00	0.00	0.2	NNW
8/1/2024 08:53:00	14.1	15.0	1.0	0.00	0.00	0.00	0.1	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 15 min Avg	Wind Direction
8/1/2024 08:54:00	13.9	14.9	1.0	0.00	0.00	0.00	0.1	WNW
8/1/2024 08:55:00	13.6	14.7	1.1	0.00	0.00	0.00	0.1	WNW
8/1/2024 08:56:00	13.5	14.3	0.8	0.01	0.00	-0.01	0.1	ESE
8/1/2024 08:57:00	13.3	13.8	0.5	0.02	0.00	-0.02	0.1	SE
8/1/2024 08:58:00	13.0	13.2	0.2	0.04	0.00	-0.04	0.1	SE
8/1/2024 08:59:00	12.3	12.8	0.5	0.10	0.00	-0.10	0.1	W
8/1/2024 09:00:00	11.8	12.7	0.9	0.18	0.00	-0.18	0.1	WSW
8/1/2024 09:01:00	11.6	12.0	0.5	0.28	0.00	-0.28	0.0	W
8/1/2024 09:02:00	11.5	12.1	0.6	0.28	0.10	-0.18	0.0	ENE
8/1/2024 09:03:00	11.6	11.9	0.3	0.28	0.16	-0.12	0.0	N
8/1/2024 09:04:00	11.5	11.8	0.3	0.28	0.20	-0.08	0.0	NW
8/1/2024 09:05:00	11.5	11.6	0.1	0.28	0.24	-0.04	0.0	ESE
8/1/2024 09:06:00	11.5	11.4	-0.1	0.28	0.25	-0.03	0.0	ESE
8/1/2024 09:07:00	11.6	11.4	-0.2	0.28	0.25	-0.03	0.0	SE
8/1/2024 09:08:00	11.6	11.3	-0.3	0.28	0.25	-0.03	0.1	ESE
8/1/2024 09:09:00	11.7	11.3	-0.4	0.28	0.25	-0.03	0.2	ESE
8/1/2024 09:10:00	11.7	11.4	-0.3	0.28	0.25	-0.03	0.2	ESE
8/1/2024 09:11:00	11.9	11.4	-0.5	0.27	0.25	-0.02	0.2	ENE
8/1/2024 09:12:00	12.0	11.8	-0.2	0.26	0.25	-0.01	0.1	WNW
8/1/2024 09:13:00	11.9	12.1	0.2	0.24	0.26	0.01	0.1	S
8/1/2024 09:14:00	11.8	12.3	0.4	0.19	0.26	0.07	0.1	W
8/1/2024 09:15:00	12.1	12.3	0.2	0.10	0.26	0.15	0.0	NW
8/1/2024 09:16:00	12.4	12.3	-0.1	0.00	0.26	0.25	0.0	NW
8/1/2024 09:17:00	12.6	12.0	-0.6	0.00	0.16	0.15	0.0	NW
8/1/2024 09:18:00	12.7	11.9	-0.8	0.00	0.09	0.09	0.1	NW
8/1/2024 09:19:00	12.8	12.0	-0.9	0.00	0.06	0.06	0.1	E
8/1/2024 09:20:00	12.9	12.3	-0.6	0.00	0.02	0.02	0.1	WSW
8/1/2024 09:21:00	13.1	12.5	-0.7	0.00	0.01	0.01	0.1	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 15 min Avg	Wind Direction
8/1/2024 09:22:00	13.3	12.7	-0.6	0.01	0.01	0.01	0.2	WNW
8/1/2024 09:23:00	13.4	12.9	-0.5	0.01	0.01	0.01	0.3	NW
8/1/2024 09:24:00	13.6	13.0	-0.6	0.01	0.01	0.01	0.4	WNW
8/1/2024 09:25:00	13.8	13.1	-0.7	0.01	0.01	0.01	0.4	SSE
8/1/2024 09:26:00	14.0	13.2	-0.8	0.01	0.01	0.01	0.3	ESE
8/1/2024 09:27:00	14.1	13.0	-1.1	0.01	0.01	0.01	0.3	WNW
8/1/2024 09:28:00	14.0	12.8	-1.2	0.01	0.01	0.01	0.4	WNW
8/1/2024 09:29:00	13.9	12.6	-1.4	0.01	0.01	0.01	0.4	W
8/1/2024 09:30:00	13.5	12.5	-1.1	0.01	0.01	0.01	0.4	NNW
8/1/2024 09:31:00	13.2	12.4	-0.8	0.01	0.01	0.00	0.4	WNW
8/1/2024 09:32:00	12.9	12.2	-0.7	0.01	0.01	0.00	0.4	WNW
8/1/2024 09:33:00	12.7	12.2	-0.5	0.02	0.01	0.00	0.4	NW
8/1/2024 09:34:00	12.5	12.1	-0.4	0.01	0.01	0.00	0.4	WSW
8/1/2024 09:35:00	12.4	11.8	-0.6	0.02	0.01	-0.01	0.4	WNW
8/1/2024 09:36:00	12.1	11.7	-0.4	0.02	0.00	-0.01	0.4	W
8/1/2024 09:37:00	12.1	11.6	-0.5	0.01	0.00	-0.01	0.4	NNW
8/1/2024 09:38:00	12.7	11.5	-1.2	0.01	0.00	-0.01	0.4	NW
8/1/2024 09:39:00	12.8	11.4	-1.4	0.01	0.00	-0.01	0.3	N
8/1/2024 09:40:00	12.8	11.4	-1.4	0.01	0.00	-0.01	0.4	NW
8/1/2024 09:41:00	12.6	11.4	-1.1	0.01	0.00	-0.01	0.4	SSW
8/1/2024 09:42:00	12.5	11.4	-1.1	0.01	0.00	-0.01	0.4	W
8/1/2024 09:43:00	12.5	11.4	-1.1	0.01	0.00	-0.01	0.4	NW
8/1/2024 09:44:00	12.4	11.3	-1.1	0.01	0.00	-0.01	0.3	NW
8/1/2024 09:45:00	12.4	11.4	-1.0	0.01	0.00	-0.01	0.3	NE
8/1/2024 09:46:00	12.6	11.6	-1.0	0.01	0.00	-0.01	0.3	NW
8/1/2024 09:47:00	12.9	11.9	-1.1	0.01	0.00	0.00	0.2	SE
8/1/2024 09:48:00	13.0	11.9	-1.1	0.00	0.00	0.00	0.2	ENE
8/1/2024 09:49:00	13.1	12.1	-1.1	0.00	0.00	0.00	0.1	ESE

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
8/1/2024 09:50:00	13.2	12.2	-1.1	0.00	0.00	0.00	0.1	SE
8/1/2024 09:51:00	13.3	12.1	-1.2	0.00	0.00	0.00	0.1	SE
8/1/2024 09:52:00	13.0	11.9	-1.2	0.00	0.00	0.00	0.1	NE
8/1/2024 09:53:00	12.2	11.7	-0.5	0.00	0.00	0.00	0.2	ESE
8/1/2024 09:54:00	11.9	11.6	-0.3	0.00	0.00	0.00	0.2	SSW
8/1/2024 09:55:00	11.6	11.5	-0.1	0.00	0.00	0.00	0.2	NW
8/1/2024 09:56:00	11.5	11.3	-0.1	0.00	0.00	0.00	0.2	NNW
8/1/2024 09:57:00	11.3	11.2	-0.1	0.00	0.00	0.00	0.1	WNW
8/1/2024 09:58:00	11.2	11.4	0.2	0.00	0.00	0.00	0.1	WNW
8/1/2024 09:59:00	11.2	11.3	0.1	0.00	0.00	0.00	0.1	SW
8/1/2024 10:00:00	11.1	11.2	0.1	0.00	0.00	0.00	0.2	ESE
8/1/2024 10:01:00	11.3	10.9	-0.4	0.01	0.00	-0.01	0.2	NW
8/1/2024 10:02:00	12.8	10.6	-2.2	0.10	0.00	-0.10	0.0	NW
8/1/2024 10:03:00	12.8	10.4	-2.4	0.29	0.00	-0.29	0.0	NW
8/1/2024 10:04:00	12.6	10.1	-2.5	0.29	0.15	-0.15	0.1	SE
8/1/2024 10:05:00	12.4	9.9	-2.5	0.29	0.19	-0.11	0.1	WSW
8/1/2024 10:06:00	12.3	9.8	-2.5	0.29	0.21	-0.08	0.2	WSW
8/1/2024 10:07:00	12.3	9.7	-2.5	0.32	0.21	-0.10	0.3	WNW
8/1/2024 10:08:00	12.1	9.6	-2.6	0.32	0.23	-0.08	0.3	S
8/1/2024 10:09:00	12.0	9.4	-2.6	0.32	0.25	-0.07	0.4	W
8/1/2024 10:10:00	12.0	9.2	-2.7	0.32	0.26	-0.06	0.4	WNW
8/1/2024 10:11:00	11.9	9.1	-2.8	0.32	0.27	-0.05	0.4	S
8/1/2024 10:12:00	11.9	9.0	-2.9	0.32	0.27	-0.05	0.4	NNW
8/1/2024 10:13:00	11.7	8.6	-3.1	0.32	0.27	-0.05	0.3	WNW
8/1/2024 10:14:00	11.6	8.5	-3.0	0.32	0.27	-0.05	0.3	NNE
8/1/2024 10:15:00	11.4	8.5	-2.9	0.32	0.27	-0.05	0.4	N
8/1/2024 10:16:00	10.9	8.4	-2.5	0.31	0.27	-0.04	0.4	WSW
8/1/2024 10:17:00	8.9	8.3	-0.7	0.21	0.27	0.05	0.3	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
8/1/2024 10:18:00	8.6	8.2	-0.4	0.03	0.26	0.23	0.2	ESE
8/1/2024 10:19:00	8.5	8.2	-0.3	0.03	0.12	0.09	0.3	SSW
8/1/2024 10:20:00	8.5	8.2	-0.3	0.03	0.08	0.05	0.3	NNW
8/1/2024 10:21:00	8.4	8.3	-0.1	0.03	0.05	0.03	0.2	SSW
8/1/2024 10:22:00	8.4	8.4	-0.1	0.00	0.06	0.05	0.2	SSE
8/1/2024 10:23:00	8.7	8.5	-0.2	0.01	0.04	0.03	0.2	NW
8/1/2024 10:24:00	8.8	8.6	-0.2	0.03	0.02	-0.01	0.2	WNW
8/1/2024 10:25:00	9.1	8.8	-0.2	0.04	0.01	-0.04	0.2	ESE
8/1/2024 10:26:00	10.8	9.0	-1.8	0.09	0.01	-0.09	0.2	NW
8/1/2024 10:27:00	12.0	9.3	-2.7	0.16	0.01	-0.14	0.2	NW
8/1/2024 10:28:00	12.8	9.5	-3.3	0.32	0.02	-0.30	0.2	NW
8/1/2024 10:29:00	13.7	11.6	-2.1	0.50	0.04	-0.47	0.2	WNW
8/1/2024 10:30:00	14.6	12.7	-1.9	0.69	0.06	-0.63	0.2	NNW
8/1/2024 10:31:00	15.7	15.7	0.0	0.84	0.07	-0.77	0.2	E
8/1/2024 10:32:00	16.0	16.4	0.3	0.85	0.12	-0.73	0.1	SE
8/1/2024 10:33:00	17.1	16.4	-0.6	0.85	0.12	-0.73	0.1	NW
8/1/2024 10:34:00	18.2	16.5	-1.7	0.86	0.12	-0.73	0.2	NW
8/1/2024 10:35:00	18.9	16.9	-2.0	0.86	0.12	-0.74	0.1	NNW
8/1/2024 10:36:00	19.8	17.5	-2.2	0.86	0.12	-0.74	0.2	WNW
8/1/2024 10:37:00	20.6	19.8	-0.9	0.87	0.12	-0.75	0.2	NNW
8/1/2024 10:38:00	21.5	22.3	0.8	0.87	0.12	-0.75	0.2	NW
8/1/2024 10:39:00	22.1	25.6	3.5	0.86	0.12	-0.74	0.2	NW
8/1/2024 10:40:00	22.6	43.7	21.1	0.84	0.12	-0.72	0.2	WNW
8/1/2024 10:41:00	22.1	68.2	46.1	0.79	0.12	-0.67	0.2	WNW
8/1/2024 10:42:00	55.9	68.7	12.8	0.72	0.11	-0.61	0.2	SE
8/1/2024 10:43:00	133.5	68.7	-64.7	0.56	0.11	-0.46	0.1	SE
8/1/2024 10:44:00	133.1	130.6	-2.5	0.38	0.09	-0.29	0.1	N
8/1/2024 10:45:00	132.7	138.8	6.0	0.19	0.07	-0.13	0.1	NNW

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
8/1/2024 10:46:00	132.3	139.0	6.7	0.03	0.05	0.02	0.1	NNE
8/1/2024 10:47:00	133.3	138.6	5.3	0.03	0.01	-0.03	0.2	SE
8/1/2024 10:48:00	132.5	139.4	6.9	0.03	0.00	-0.03	0.2	NW
8/1/2024 10:49:00	131.6	140.0	8.4	0.02	0.00	-0.02	0.2	WNW
8/1/2024 10:50:00	131.6	139.8	8.2	0.02	0.00	-0.02	0.2	W
8/1/2024 10:51:00	130.9	139.5	8.6	0.01	0.00	-0.01	0.2	NNW
8/1/2024 10:52:00	130.4	137.2	6.7	0.01	0.00	-0.01	0.2	W
8/1/2024 10:53:00	129.5	135.0	5.5	0.01	0.00	0.00	0.3	NW
8/1/2024 10:54:00	129.1	131.9	2.8	0.00	0.00	0.00	0.3	SSW
8/1/2024 10:55:00	128.5	113.8	-14.8	0.00	0.01	0.01	0.2	ESE
8/1/2024 10:56:00	127.5	89.1	-38.4	0.00	0.01	0.01	0.2	WNW
8/1/2024 10:57:00	92.7	88.5	-4.2	0.00	0.01	0.01	0.2	WNW
8/1/2024 10:58:00	14.4	88.5	74.2	0.00	0.01	0.01	0.3	WNW
8/1/2024 10:59:00	13.9	24.9	11.0	0.00	0.01	0.01	0.3	NW
8/1/2024 11:00:00	13.4	15.8	2.4	0.00	0.01	0.01	0.4	NW
8/1/2024 11:01:00	12.8	12.9	0.1	0.00	0.01	0.01	0.4	NW
8/1/2024 11:02:00	11.5	12.8	1.2	0.00	0.01	0.01	0.4	NNW
8/1/2024 11:03:00	11.7	11.9	0.3	0.00	0.01	0.01	0.4	WSW
8/1/2024 11:04:00	11.5	11.6	0.1	0.00	0.01	0.01	0.4	E
8/1/2024 11:05:00	11.1	11.5	0.4	0.00	0.01	0.01	0.3	S
8/1/2024 11:06:00	11.0	11.4	0.5	0.00	0.01	0.01	0.3	NW
8/1/2024 11:07:00	10.5	11.7	1.2	0.00	0.01	0.01	0.3	NW
8/1/2024 11:08:00	10.5	11.6	1.1	0.00	0.01	0.01	0.3	WNW
8/1/2024 11:09:00	10.7	11.4	0.7	0.01	0.01	-0.01	0.3	SE
8/1/2024 11:10:00	10.4	12.6	2.2	0.01	0.04	0.02	0.4	NW
8/1/2024 11:11:00	10.2	14.2	4.0	0.01	0.07	0.05	0.4	NW
8/1/2024 11:12:00	10.2	14.7	4.5	0.01	0.10	0.09	0.4	WNW
8/1/2024 11:13:00	10.2	14.6	4.4	0.01	0.13	0.11	0.4	NW

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
8/1/2024 11:14:00	10.3	14.5	4.3	0.02	0.13	0.11	0.4	NW
8/1/2024 11:15:00	10.4	14.5	4.1	0.02	0.13	0.10	0.4	WNW
8/1/2024 11:16:00	10.7	14.5	3.8	0.02	0.13	0.10	0.3	ESE
8/1/2024 11:17:00	10.8	14.4	3.5	0.02	0.13	0.10	0.3	WNW
8/1/2024 11:18:00	10.6	14.9	4.3	0.02	0.13	0.10	0.3	WNW
8/1/2024 11:19:00	10.9	15.2	4.2	0.02	0.13	0.10	0.4	WNW
8/1/2024 11:20:00	11.1	15.6	4.5	0.03	0.13	0.10	0.5	WNW
8/1/2024 11:21:00	11.6	15.8	4.1	0.05	0.15	0.10	0.5	WNW
8/1/2024 11:22:00	12.1	15.9	3.8	0.07	0.18	0.12	0.5	NW
8/1/2024 11:23:00	12.4	15.9	3.5	0.07	0.20	0.12	0.5	WNW
8/1/2024 11:24:00	12.2	16.3	4.1	0.07	0.20	0.13	0.5	NW
8/1/2024 11:25:00	12.3	15.3	3.0	0.07	0.16	0.10	0.5	NNE
8/1/2024 11:26:00	12.4	13.9	1.5	0.07	0.13	0.06	0.5	WNW
8/1/2024 11:27:00	12.5	13.6	1.0	0.07	0.09	0.03	0.5	NW
8/1/2024 11:28:00	12.6	13.8	1.2	0.07	0.07	0.01	0.5	NW
8/1/2024 11:29:00	12.7	13.9	1.2	0.07	0.07	0.01	0.5	NNW
8/1/2024 11:30:00	12.6	14.0	1.4	0.06	0.07	0.01	0.4	E
8/1/2024 11:31:00	12.4	14.1	1.6	0.06	0.07	0.01	0.5	NW
8/1/2024 11:32:00	12.4	14.1	1.7	0.06	0.07	0.01	0.4	ESE
8/1/2024 11:33:00	12.4	13.7	1.3	0.07	0.07	0.00	0.3	SE
8/1/2024 11:34:00	12.1	13.3	1.1	0.07	0.07	0.00	0.3	NNW
8/1/2024 11:35:00	11.8	13.0	1.3	0.06	0.07	0.01	0.2	ESE
8/1/2024 11:36:00	11.3	12.6	1.3	0.04	0.05	0.01	0.2	NW
8/1/2024 11:37:00	10.8	12.3	1.5	0.03	0.02	-0.01	0.2	NW
8/1/2024 11:38:00	10.6	12.0	1.5	0.02	0.00	-0.01	0.2	SSE
8/1/2024 11:39:00	10.5	11.8	1.3	0.01	0.00	-0.01	0.2	WNW
8/1/2024 11:40:00	10.5	11.8	1.3	0.02	0.00	-0.02	0.3	NNE
8/1/2024 11:41:00	10.4	11.7	1.3	0.02	0.00	-0.02	0.3	NW

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
8/1/2024 11:42:00	10.4	11.7	1.2	0.02	0.00	-0.02	0.3	NW
8/1/2024 11:43:00	10.5	11.5	1.0	0.02	0.00	-0.02	0.2	ESE
8/1/2024 11:44:00	10.5	11.4	0.9	0.02	0.00	-0.02	0.2	NW
8/1/2024 11:45:00	10.5	11.2	0.7	0.02	0.00	-0.02	0.3	WSW
8/1/2024 11:46:00	10.6	11.2	0.6	0.02	0.00	-0.02	0.2	WNW
8/1/2024 11:47:00	10.5	11.3	0.8	0.02	0.00	-0.01	0.4	WNW
8/1/2024 11:48:00	10.5	11.4	0.9	0.01	0.00	-0.01	0.5	NW
8/1/2024 11:49:00	10.6	11.4	0.9	0.01	0.00	-0.01	0.5	WNW
8/1/2024 11:50:00	10.7	11.5	0.8	0.01	0.00	-0.01	0.6	W
8/1/2024 11:51:00	10.9	11.7	0.8	0.01	0.00	-0.01	0.5	S
8/1/2024 11:52:00	11.0	11.8	0.8	0.01	0.00	-0.01	0.5	S
8/1/2024 11:53:00	11.2	12.0	0.8	0.01	0.00	-0.01	0.5	NNW
8/1/2024 11:54:00	11.3	11.9	0.7	0.01	0.00	-0.01	0.4	NW
8/1/2024 11:55:00	11.2	11.8	0.6	0.00	0.00	0.00	0.3	SE
8/1/2024 11:56:00	11.3	11.7	0.4	0.00	0.00	0.00	0.2	SE
8/1/2024 11:57:00	11.3	11.6	0.3	0.00	0.00	0.00	0.2	NW
8/1/2024 11:58:00	11.2	11.4	0.1	0.00	0.00	0.00	0.2	NNE
8/1/2024 11:59:00	11.2	11.3	0.1	0.00	0.00	0.00	0.2	NW
8/1/2024 12:00:00	11.1	11.2	0.1	0.00	0.00	0.00	0.3	NW
8/1/2024 12:01:00	11.1	11.2	0.1	0.00	0.00	0.00	0.2	ESE
8/1/2024 12:02:00	11.1	11.1	0.0	0.00	0.00	0.00	0.1	W
8/1/2024 12:03:00	11.1	11.1	-0.1	0.00	0.00	0.00	0.0	ESE
8/1/2024 12:04:00	11.1	10.9	-0.2	0.00	0.00	0.00	0.0	WNW
8/1/2024 12:05:00	11.1	10.8	-0.2	0.00	0.00	0.00	0.1	E
8/1/2024 12:06:00	11.0	10.7	-0.3	0.00	0.00	0.00	0.2	E
8/1/2024 12:07:00	10.9	10.6	-0.3	0.00	0.00	0.00	0.2	SE
8/1/2024 12:08:00	10.8	10.6	-0.1	0.00	0.00	0.00	0.2	S
8/1/2024 12:09:00	10.7	10.6	-0.1	0.00	0.00	0.00	0.3	NNW

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
8/1/2024 12:10:00	10.8	10.7	-0.1	0.00	0.00	0.00	0.2	NW
8/1/2024 12:11:00	10.8	10.7	-0.1	0.00	0.00	0.00	0.1	NW
8/1/2024 12:12:00	10.9	10.7	-0.1	0.00	0.00	0.00	0.1	WNW
8/1/2024 12:13:00	10.9	10.8	-0.1	0.00	0.00	0.00	0.1	NNE
8/1/2024 12:14:00	11.0	10.9	-0.1	0.00	0.00	0.00	0.1	SSE
8/1/2024 12:15:00	11.0	10.9	0.0	0.00	0.00	0.00	0.1	WNW
8/1/2024 12:16:00	11.1	11.0	-0.1	0.00	0.00	0.00	0.0	WNW
8/1/2024 12:17:00	11.1	11.1	-0.1	0.00	0.00	0.00	0.1	W
8/1/2024 12:18:00	11.3	11.1	-0.1	0.00	0.00	0.00	0.2	WNW
8/1/2024 12:19:00	11.3	11.2	-0.1	0.00	0.00	0.00	0.2	WSW
8/1/2024 12:20:00	11.3	11.2	-0.2	0.00	0.00	0.00	0.3	NW
8/1/2024 12:21:00	11.3	11.1	-0.2	0.00	0.00	0.00	0.4	WNW
8/1/2024 12:22:00	11.3	11.1	-0.2	0.00	0.00	0.00	0.5	WNW
8/1/2024 12:23:00	11.3	11.1	-0.3	0.00	0.00	0.00	0.7	NW
8/1/2024 12:24:00	11.3	11.0	-0.3	0.00	0.00	0.00	0.8	NW
8/1/2024 12:25:00	11.4	10.9	-0.4	0.01	0.00	-0.01	0.9	NW
8/1/2024 12:26:00	11.4	10.9	-0.5	0.01	0.00	-0.01	1.0	NW
8/1/2024 12:27:00	11.5	10.9	-0.6	0.01	0.00	-0.01	1.1	NW
8/1/2024 12:28:00	11.6	11.0	-0.6	0.01	0.00	-0.01	1.2	NW
8/1/2024 12:29:00	11.9	11.0	-0.9	0.01	0.00	-0.01	1.3	NNW
8/1/2024 12:30:00	12.1	11.0	-1.1	0.01	0.00	-0.01	1.3	WNW
8/1/2024 12:31:00	12.2	11.2	-1.0	0.01	0.00	-0.01	1.3	NW
8/1/2024 12:32:00	12.4	11.3	-1.1	0.01	0.00	-0.01	1.2	SSE
8/1/2024 12:33:00	12.4	11.3	-1.1	0.01	0.00	-0.01	1.0	E
8/1/2024 12:34:00	12.5	11.3	-1.2	0.01	0.00	-0.01	1.0	ESE
8/1/2024 12:35:00	12.5	11.4	-1.1	0.01	0.00	-0.01	0.8	SE
8/1/2024 12:36:00	12.6	11.5	-1.1	0.01	0.00	-0.01	0.7	SE
8/1/2024 12:37:00	12.7	11.7	-1.0	0.01	0.00	-0.01	0.5	SE

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
8/1/2024 12:38:00	13.0	11.8	-1.1	0.01	0.00	-0.01	0.3	SE
8/1/2024 12:39:00	13.2	12.3	-0.9	0.01	0.00	-0.01	0.1	ESE
8/1/2024 12:40:00	13.4	12.5	-0.9	0.01	0.00	-0.01	0.1	NW
8/1/2024 12:41:00	13.4	12.6	-0.8	0.01	0.00	-0.01	0.1	NW
8/1/2024 12:42:00	13.4	13.2	-0.1	0.00	0.00	0.00	0.1	NW
8/1/2024 12:43:00	13.4	13.7	0.3	0.00	0.00	0.00	0.1	WNW
8/1/2024 12:44:00	13.2	13.7	0.4	0.00	0.00	0.00	0.0	WNW
8/1/2024 12:45:00	13.2	16.9	3.8	0.00	0.00	0.00	0.1	ENE
8/1/2024 12:46:00	13.5	16.9	3.4	0.00	0.00	0.00	0.2	ESE
8/1/2024 12:47:00	13.5	17.3	3.8	0.00	0.00	0.00	0.1	NW
8/1/2024 12:48:00	13.6	17.6	4.0	0.00	0.00	0.00	0.2	NW
8/1/2024 12:49:00	13.7	17.8	4.1	0.00	0.00	0.00	0.4	NW
8/1/2024 12:50:00	13.9	17.9	4.0	0.00	0.00	0.00	0.4	ESE
8/1/2024 12:51:00	13.9	17.9	4.0	0.00	0.00	0.00	0.4	ESE
8/1/2024 12:52:00	13.9	17.9	4.0	0.00	0.00	0.00	0.5	NNE
8/1/2024 12:53:00	13.7	18.1	4.3	0.00	0.00	0.00	0.6	N
8/1/2024 12:54:00	13.6	17.8	4.2	0.00	0.00	0.00	0.7	NW
8/1/2024 12:55:00	13.5	17.8	4.3	0.00	0.00	0.00	0.7	NW
8/1/2024 12:56:00	13.5	17.9	4.4	0.00	0.00	0.00	0.7	WNW
8/1/2024 12:57:00	13.6	17.5	3.9	0.00	0.00	0.00	0.5	NE
8/1/2024 12:58:00	13.6	17.1	3.6	0.00	0.00	0.00	0.4	ESE
8/1/2024 12:59:00	13.6	17.3	3.6	0.00	0.00	0.00	0.4	N
8/1/2024 13:00:00	13.7	14.1	0.5	0.00	0.00	0.00	0.4	E
8/1/2024 13:01:00	13.3	14.1	0.8	0.00	0.00	0.00	0.5	N
8/1/2024 13:02:00	13.3	13.8	0.5	0.00	0.00	0.00	0.4	ESE
8/1/2024 13:03:00	13.3	13.6	0.3	0.00	0.00	0.00	0.4	NW
8/1/2024 13:04:00	13.3	13.5	0.1	0.00	0.00	0.00	0.4	WNW
8/1/2024 13:05:00	13.2	13.5	0.3	0.00	0.00	0.00	0.4	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
8/1/2024 13:06:00	13.2	13.5	0.3	0.00	0.00	0.00	0.4	ESE
8/1/2024 13:07:00	13.2	13.4	0.2	0.00	0.00	0.00	0.4	NE
8/1/2024 13:08:00	13.1	13.2	0.0	0.00	0.00	0.00	0.4	NW
8/1/2024 13:09:00	13.2	13.1	-0.1	0.00	0.00	0.00	0.4	NW
8/1/2024 13:10:00	13.2	13.2	-0.1	0.00	0.00	0.00	0.4	NW
8/1/2024 13:11:00	13.7	13.3	-0.4	0.00	0.00	0.00	0.4	ESE
8/1/2024 13:12:00	13.7	13.3	-0.4	0.00	0.00	0.00	0.4	ESE
8/1/2024 13:13:00	13.7	13.5	-0.2	0.00	0.00	0.00	0.3	SE
8/1/2024 13:14:00	13.8	13.6	-0.2	0.00	0.00	0.00	0.3	NNW
8/1/2024 13:15:00	13.9	13.8	-0.1	0.00	0.00	0.00	0.3	SE
8/1/2024 13:16:00	14.1	14.4	0.4	0.00	0.00	0.00	0.3	S
8/1/2024 13:17:00	14.6	14.4	-0.2	0.00	0.00	0.00	0.3	E
8/1/2024 13:18:00	15.1	14.6	-0.5	0.00	0.00	0.00	0.3	NNW
8/1/2024 13:19:00	15.6	15.0	-0.6	0.00	0.00	0.00	0.4	NNE
8/1/2024 13:20:00	15.8	15.2	-0.7	0.00	0.00	0.00	0.3	ESE
8/1/2024 13:21:00	16.2	15.4	-0.8	0.00	0.00	0.00	0.3	SE
8/1/2024 13:22:00	16.4	15.7	-0.8	0.00	0.00	0.00	0.3	N
8/1/2024 13:23:00	16.6	15.8	-0.8	0.00	0.00	0.00	0.3	NNW
8/1/2024 13:24:00	16.9	16.0	-0.9	0.00	0.00	0.00	0.4	SE
8/1/2024 13:25:00	17.0	16.7	-0.3	0.00	0.00	0.00	0.5	ENE
8/1/2024 13:26:00	18.7	16.8	-1.9	0.00	0.00	0.00	0.4	ESE
8/1/2024 13:27:00	19.0	17.8	-1.2	0.00	0.00	0.00	0.4	ENE
8/1/2024 13:28:00	19.1	17.8	-1.3	0.00	0.00	0.00	0.4	E
8/1/2024 13:29:00	19.0	17.8	-1.2	0.00	0.00	0.00	0.5	E
8/1/2024 13:30:00	18.9	17.6	-1.3	0.00	0.00	0.00	0.4	WNW
8/1/2024 13:31:00	18.8	17.1	-1.7	0.00	0.00	0.00	0.4	NW
8/1/2024 13:32:00	18.3	17.1	-1.1	0.00	0.00	0.00	0.3	NW
8/1/2024 13:33:00	17.7	17.0	-0.7	0.00	0.00	0.00	0.3	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
8/1/2024 13:34:00	17.2	16.6	-0.6	0.00	0.00	0.00	0.2	NW
8/1/2024 13:35:00	17.0	16.4	-0.6	0.00	0.00	0.00	0.2	W
8/1/2024 13:36:00	16.7	16.3	-0.4	0.00	0.00	0.00	0.2	E
8/1/2024 13:37:00	16.4	16.1	-0.3	0.00	0.00	0.00	0.2	SE
8/1/2024 13:38:00	16.3	16.1	-0.2	0.00	0.00	0.00	0.2	SE
8/1/2024 13:39:00	16.1	16.0	-0.1	0.00	0.00	0.00	0.3	SE
8/1/2024 13:40:00	16.1	15.3	-0.7	0.00	0.00	0.00	0.2	NW
8/1/2024 13:41:00	14.2	15.3	1.1	0.00	0.00	0.00	0.1	WNW
8/1/2024 13:42:00	14.2	14.3	0.1	0.00	0.00	0.00	0.0	WSW
8/1/2024 13:43:00	14.2	14.2	0.0	0.00	0.00	0.00	0.0	SE
8/1/2024 13:44:00	14.3	14.1	-0.1	0.00	0.00	0.00	0.1	SE
8/1/2024 13:45:00	14.2	14.1	-0.1	0.00	0.00	0.00	0.2	SE
8/1/2024 13:46:00	14.3	14.0	-0.3	0.00	0.00	0.00	0.2	S
8/1/2024 13:47:00	14.3	14.0	-0.3	0.00	0.00	0.00	0.3	N
8/1/2024 13:48:00	14.5	14.0	-0.5	0.00	0.00	0.00	0.3	E
8/1/2024 13:49:00	14.4	14.1	-0.4	0.00	0.00	0.00	0.3	W
8/1/2024 13:50:00	14.4	14.1	-0.3	0.00	0.00	0.00	0.3	NNW
8/1/2024 13:51:00	14.5	14.0	-0.4	0.00	0.00	0.00	0.2	NW
8/1/2024 13:52:00	14.5	14.0	-0.5	0.00	0.00	0.00	0.1	NW
8/1/2024 13:53:00	14.6	13.9	-0.7	0.00	0.00	0.00	0.0	NNW
8/1/2024 13:54:00	14.6	14.1	-0.4	0.00	0.00	0.00	0.0	ESE
8/1/2024 13:55:00	14.5	14.2	-0.3	0.00	0.00	0.00	0.1	SE
8/1/2024 13:56:00	14.7	14.2	-0.5	0.00	0.00	0.00	0.1	NW
8/1/2024 13:57:00	14.4	14.2	-0.3	0.00	0.00	0.00	0.1	SW
8/1/2024 13:58:00	14.5	14.2	-0.3	0.00	0.00	0.00	0.0	NW
8/1/2024 13:59:00	14.4	14.2	-0.3	0.00	0.00	0.00	0.1	WNW
8/1/2024 14:00:00	14.4	14.2	-0.2	0.00	0.00	0.00	0.2	WSW
8/1/2024 14:01:00	14.9	14.1	-0.8	0.00	0.00	0.00	0.3	NW

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
8/1/2024 14:02:00	15.7	14.2	-1.5	0.01	0.00	-0.01	0.4	NW
8/1/2024 14:03:00	16.9	14.5	-2.3	0.01	0.00	-0.01	0.4	E
8/1/2024 14:04:00	17.6	14.7	-2.9	0.01	0.00	-0.01	0.4	NW
8/1/2024 14:05:00	17.7	14.7	-3.0	0.01	0.00	-0.01	0.5	NW
8/1/2024 14:06:00	17.7	14.7	-3.0	0.02	0.00	-0.01	0.4	N
8/1/2024 14:07:00	17.8	14.9	-2.9	0.02	0.01	-0.01	0.4	WNW
8/1/2024 14:08:00	17.8	14.9	-2.9	0.02	0.01	-0.01	0.5	NW
8/1/2024 14:09:00	17.8	14.7	-3.1	0.02	0.01	-0.02	0.6	NW
8/1/2024 14:10:00	17.7	14.5	-3.3	0.03	0.01	-0.02	0.8	WNW
8/1/2024 14:11:00	17.3	14.4	-2.9	0.04	0.01	-0.03	0.8	NW
8/1/2024 14:12:00	17.3	14.3	-3.0	0.04	0.01	-0.03	0.8	E
8/1/2024 14:13:00	17.4	14.9	-2.5	0.04	0.01	-0.03	0.7	S
8/1/2024 14:14:00	17.6	16.1	-1.5	0.04	0.01	-0.03	0.7	WSW
8/1/2024 14:15:00	18.8	16.1	-2.7	0.04	0.01	-0.03	0.6	NNE
8/1/2024 14:16:00	19.3	16.0	-3.3	0.04	0.01	-0.03	0.6	NNE
8/1/2024 14:17:00	19.3	16.0	-3.3	0.03	0.01	-0.03	0.6	WNW
8/1/2024 14:18:00	18.8	15.7	-3.0	0.03	0.01	-0.03	0.6	NW
8/1/2024 14:19:00	18.1	16.2	-1.8	0.03	0.01	-0.02	0.6	W
8/1/2024 14:20:00	18.7	16.2	-2.5	0.03	0.01	-0.02	0.6	NW
8/1/2024 14:21:00	19.2	16.2	-3.1	0.03	0.01	-0.02	0.6	WNW
8/1/2024 14:22:00	19.8	16.1	-3.7	0.03	0.00	-0.03	0.6	NW
8/1/2024 14:23:00	19.7	16.5	-3.2	0.03	0.01	-0.02	0.6	WNW
8/1/2024 14:24:00	19.6	16.5	-3.1	0.02	0.02	-0.01	0.6	W
8/1/2024 14:25:00	19.6	16.5	-3.1	0.03	0.02	-0.01	0.7	NW
8/1/2024 14:26:00	19.6	16.5	-3.1	0.03	0.02	-0.01	0.7	NNW
8/1/2024 14:27:00	19.5	16.5	-3.0	0.03	0.02	-0.01	0.9	NW
8/1/2024 14:28:00	19.2	15.8	-3.4	0.03	0.02	-0.01	1.0	NNW
8/1/2024 14:29:00	19.0	14.6	-4.4	0.03	0.02	-0.01	0.9	ENE

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
8/1/2024 14:30:00	17.7	14.5	-3.2	0.03	0.02	-0.01	1.0	WNW
8/1/2024 14:31:00	16.5	14.4	-2.1	0.03	0.02	-0.01	1.1	NW
8/1/2024 14:32:00	15.6	14.3	-1.3	0.03	0.02	-0.01	1.1	NW
8/1/2024 14:33:00	14.7	14.2	-0.6	0.03	0.02	-0.01	1.1	NW
8/1/2024 14:34:00	14.7	13.4	-1.2	0.03	0.02	-0.01	1.1	NW
8/1/2024 14:35:00	13.8	13.5	-0.2	0.03	0.02	-0.01	1.0	NW
8/1/2024 14:36:00	13.1	13.5	0.4	0.02	0.02	-0.01	1.0	N
8/1/2024 14:37:00	12.6	13.5	1.0	0.02	0.02	0.00	1.0	WNW
8/1/2024 14:38:00	12.6	13.2	0.6	0.02	0.01	-0.01	0.9	WNW
8/1/2024 14:39:00	12.6	13.1	0.6	0.02	0.00	-0.02	0.7	SE
8/1/2024 14:40:00	12.5	13.1	0.6	0.01	0.00	-0.01	0.7	WNW
8/1/2024 14:41:00	12.5	13.0	0.5	0.01	0.01	0.00	0.6	WSW
8/1/2024 14:42:00	12.4	13.0	0.5	0.01	0.01	0.00	0.5	NW
8/1/2024 14:43:00	12.4	12.9	0.5	0.01	0.01	-0.01	0.6	NW
8/1/2024 14:44:00	12.3	12.9	0.5	0.01	0.01	-0.01	0.7	NNW
8/1/2024 14:45:00	12.4	12.8	0.4	0.01	0.01	0.00	0.6	W
8/1/2024 14:46:00	12.5	12.9	0.4	0.01	0.01	0.00	0.5	SE
8/1/2024 14:47:00	14.5	13.0	-1.5	0.01	0.01	0.00	0.5	WSW
8/1/2024 14:48:00	14.8	13.1	-1.7	0.01	0.01	0.00	0.4	SSW
8/1/2024 14:49:00	15.0	13.1	-1.9	0.01	0.01	0.00	0.4	SW
8/1/2024 14:50:00	14.9	13.0	-1.9	0.01	0.01	0.00	0.5	NW
8/1/2024 14:51:00	14.8	12.8	-2.0	0.01	0.01	0.00	0.5	SW
8/1/2024 14:52:00	14.7	12.5	-2.1	0.01	0.01	0.00	0.4	ESE
8/1/2024 14:53:00	14.6	12.3	-2.2	0.01	0.01	0.00	0.5	WSW
8/1/2024 14:54:00	14.3	12.1	-2.2	0.01	0.01	0.00	0.4	E
8/1/2024 14:55:00	14.3	12.0	-2.3	0.01	0.01	0.00	0.5	WSW
8/1/2024 14:56:00	14.2	12.0	-2.1	0.01	0.01	0.00	0.4	NNW
8/1/2024 14:57:00	14.2	12.1	-2.1	0.01	0.01	0.00	0.4	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 15 min Avg	Wind Direction
8/1/2024 14:58:00	14.2	12.0	-2.2	0.01	0.01	0.00	0.3	ESE
8/1/2024 14:59:00	14.1	12.0	-2.2	0.00	0.01	0.00	0.4	WNW
8/1/2024 15:00:00	14.4	12.0	-2.4	0.01	0.00	0.00	0.4	WNW
8/1/2024 15:01:00	14.4	11.9	-2.5	0.01	0.00	0.00	0.5	NNW
8/1/2024 15:02:00	12.6	11.8	-0.7	0.01	0.00	-0.01	0.5	WNW
8/1/2024 15:03:00	12.4	11.8	-0.6	0.01	0.00	-0.01	0.7	NW
8/1/2024 15:04:00	12.4	11.8	-0.6	0.01	0.00	-0.01	0.8	NNE
8/1/2024 15:05:00	12.3	11.7	-0.6	0.01	0.00	-0.01	0.9	NW
8/1/2024 15:06:00	12.3	11.6	-0.6	0.01	0.00	-0.01	0.8	SW