

**DAILY FIELD REPORT 187**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	February 12, 2024
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	6:45 am to 3:45 pm
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<p><b>Consultant:</b> Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)</p> <p><b>Construction Manager:</b> Consigli Construction Co., Inc. (Consigli)</p> <p><b>Foundation Contractor:</b> Urban Foundation/Engineering (Urban)</p> <p><b>Remedial Injection Contractors:</b> Brookside Environmental, Inc. (Brookside) and Coastal Environmental Solutions, Inc. (Coastal)</p>	<p><b>Langan Field Personnel:</b>  Caitlyn Dempsey (Environmental)  Carli Piretra (Environmental)  Xianglei Zheng (Geotechnical)</p>
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**Work Activities Performed:**

- Urban excavated an about 15-foot-long by about 10-foot-wide area from about 15 feet below grade surface (bgs) to about 22 feet bgs in the southern part of grids WC02\_10-15, WC02\_15-20 and WC02\_20-25 to install timber lagging. Excavated soil/fill was stockpiled at the southwestern border of WC02, pending off-site disposal.
- Urban excavated an about 15-foot-long by about 10-foot-wide area to about 4 feet bgs in the northern part of grid WC04 to mobilize equipment. Excavated soil/fill was stockpiled at the southwestern border of WC02, pending off-site disposal.
- Urban relocated the stockpile in the southern part of WC02 to the southern part of WC04, pending off-site disposal.
- Urban graded an about 15-foot-long by about 15-foot-wide area in the southern part of grid WC04 to mobilize equipment.
- Excavated and graded soil/fill consisted of non-native soil; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a petroleum or chemical release were not observed.
- Urban installed reinforcement and grouted one caisson in the southern part of grid WC04.
- Urban continued installing waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the central part of the site. Waterproofing/vapor barrier installation observation and documentation is to verify general conformance with specifications and contract documents.
- 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 started injection points IP-14, IP-15, IP-16, and IP-17.
  - IP-14, IP-15, IP-16, and IP-17 were completed using a total of about 1,432 gallons of PetroFix injected from 7 feet bgs to 22 feet bgs (elevation [el] -1 to el -16) at each injection point.

**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&amp;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	271	5,420	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:**

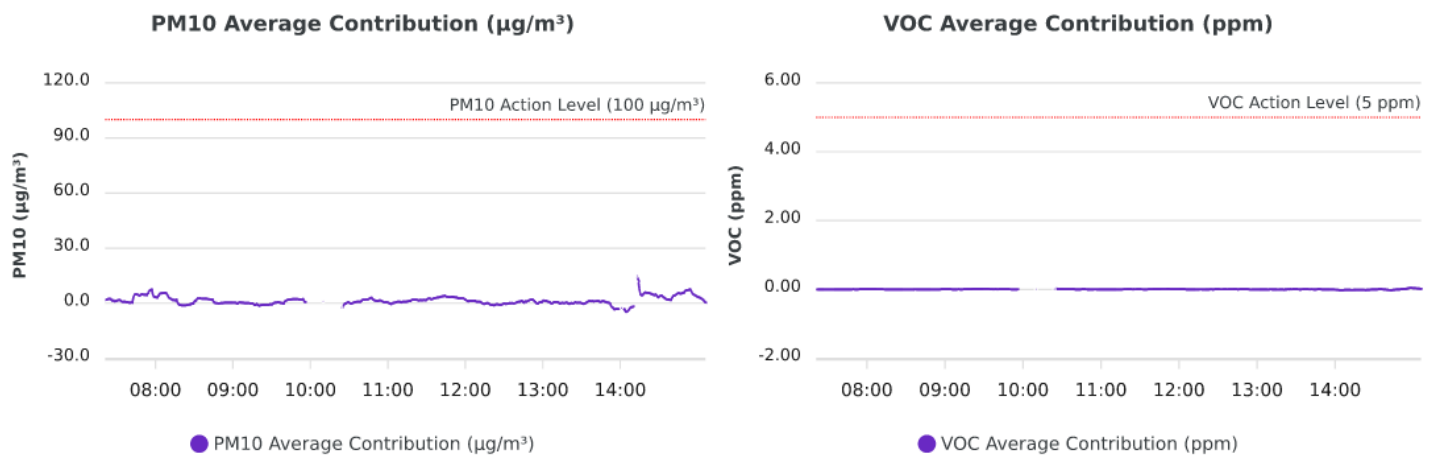
The 15-minute average site contributions for particulates and volatile organic compounds (VOCs) are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m<sup>3</sup> for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 100 µg/m<sup>3</sup> or 5 ppm, respectively, on this day.

Langan performed the monthly calibration of the on-site CAMP stations while work was temporarily stopped from about 9:57 to 10:23 AM. As a result, data gaps were encountered from 9:57 AM to 10:09 AM and from 10:11 AM to 10:23 AM.

Particulate Monitoring (µg/m <sup>3</sup> )		Organic Vapor Monitoring (ppm)	
Daily Background	2.7	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-4.8	VOC Average Site Contribution (Minimum)	-0.02
PM10 Average Site Contribution (Maximum)	15.0	VOC Average Site Contribution (Maximum)	0.04

µg/m<sup>3</sup>: micrograms per cubic meter.

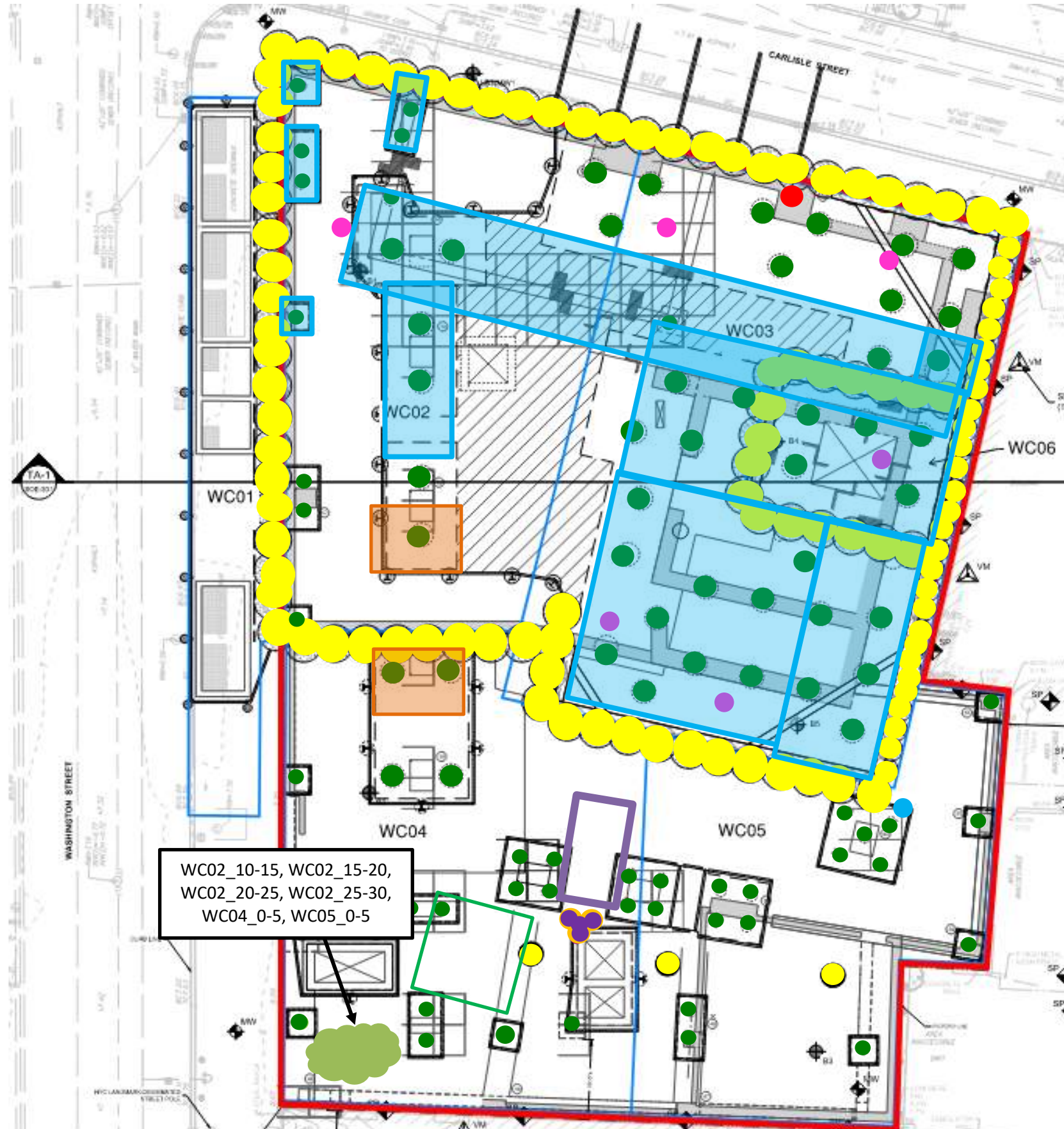
ppm: parts per million.



**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.
- Brookside and Coastal will continue the remedial injection program.







**SITE PLAN**

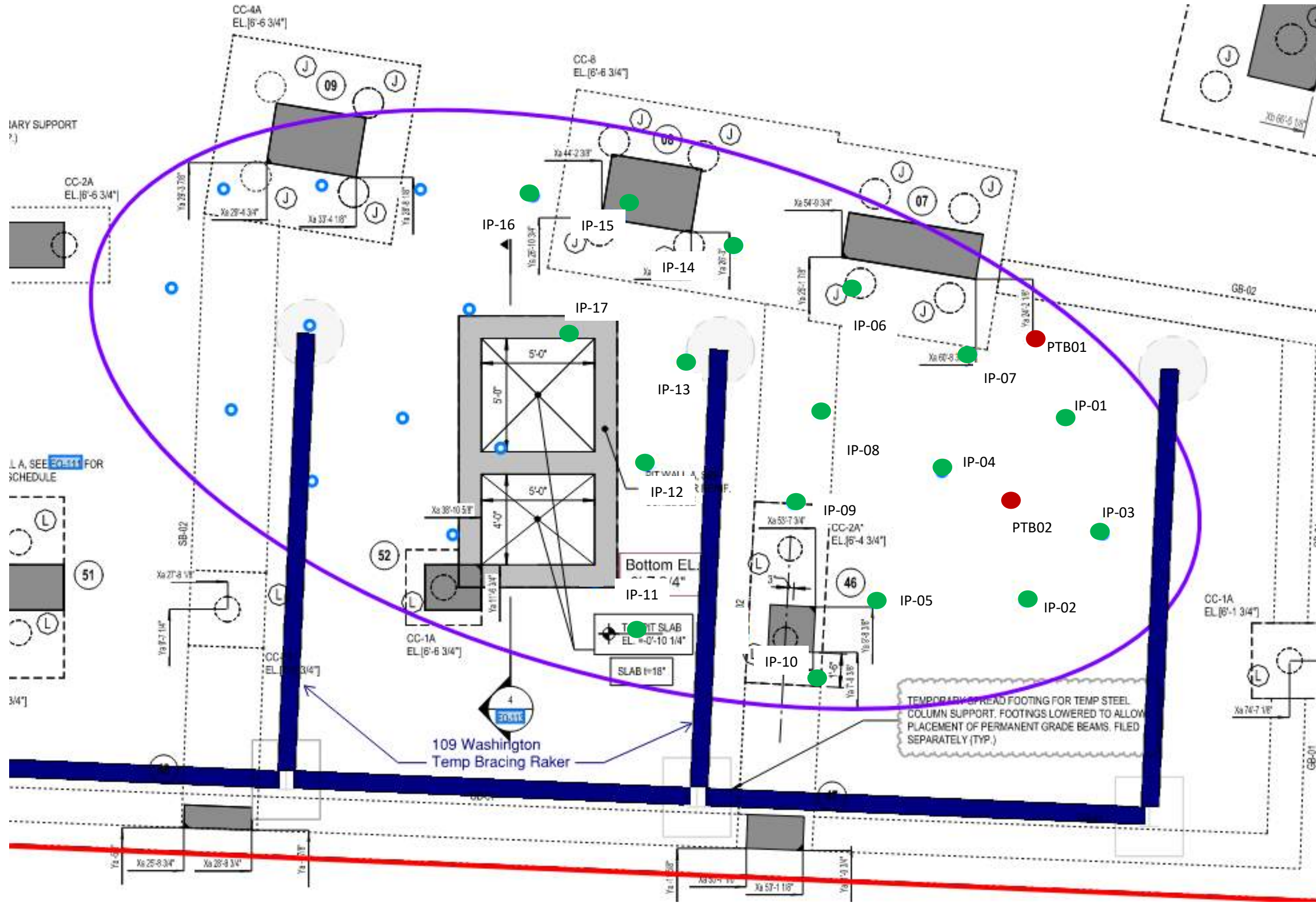


- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile – Soil (no impacts)**
- **Stockpile – C&D**
- **Stockpile – Timber Piles**
- Approximate Location of Excavation**
- Approximate Area of Grading**
- Approximate Backfill Location**
- **Completed 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 installing an injection point in the southern part of the site (facing east).



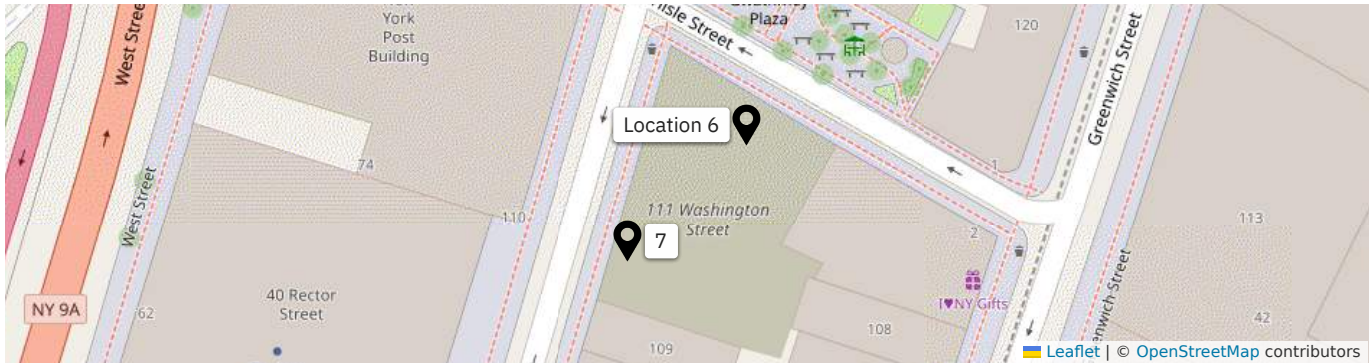
**Photo 2:** Urban grading soil/fill in grid WC04 (facing west).



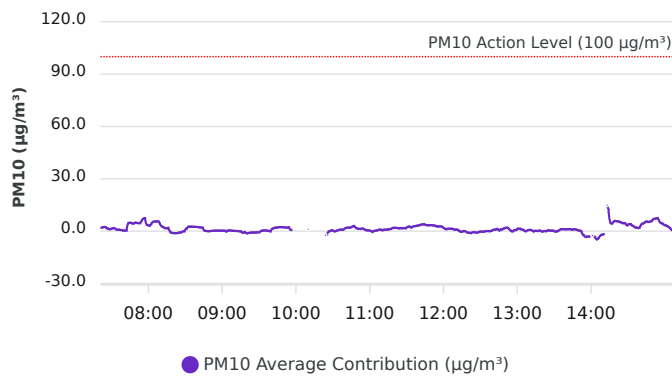
<b>LANGAN</b>	<b>Air Monitoring Report</b>	170695201 - 111 Washington St	
		Report Period	
		From:	2/12/2024 06:00
		To:	2/12/2024 19:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
2/12/2024	0.2-4.3	SE

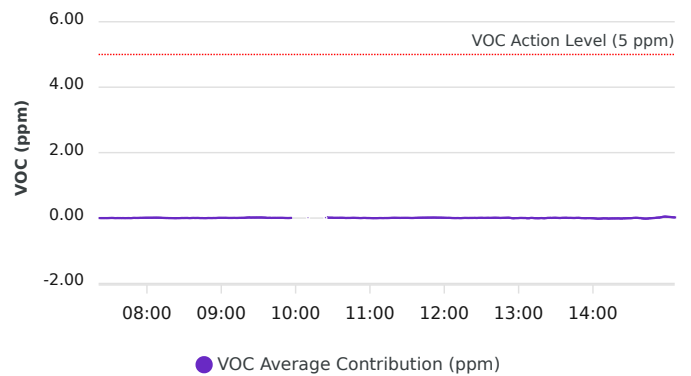
Daily Monitoring Summary	PM10 ( $\mu\text{g}/\text{m}^3$ )	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 2/12/2024	-4.8	14:04	-0.02	14:03
Max Contribution (15 min avg.) - 2/12/2024	15.0	14:13	0.04	14:58



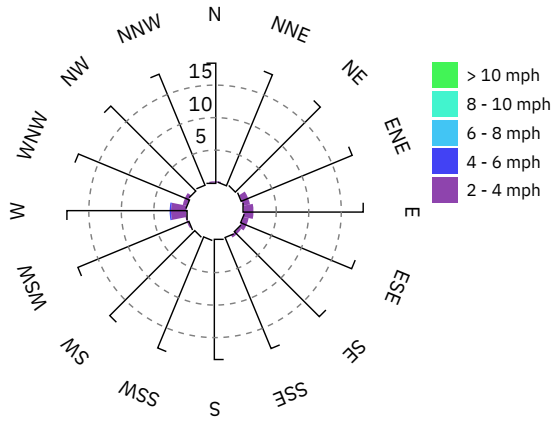
**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**



**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
2/12/2024 07:21:00	2.7	4.4	1.7	0.00	0.00	0.00	1.6	ENE
2/12/2024 07:22:00	2.3	4.4	2.1	0.00	0.00	0.00	1.8	NNW
2/12/2024 07:23:00	2.1	4.4	2.3	0.00	0.00	0.00	1.7	NNE
2/12/2024 07:24:00	2.0	4.4	2.4	0.00	0.00	0.00	1.6	ESE
2/12/2024 07:25:00	1.8	4.2	2.3	0.00	0.00	0.00	1.6	ESE
2/12/2024 07:26:00	2.2	3.6	1.4	0.00	0.00	0.00	1.5	WNW
2/12/2024 07:27:00	2.0	3.6	1.6	0.00	0.00	0.00	1.4	SE
2/12/2024 07:28:00	2.2	3.2	1.0	0.00	0.00	0.00	1.5	WNW
2/12/2024 07:29:00	2.0	3.3	1.2	0.00	0.00	0.00	1.4	SE
2/12/2024 07:30:00	1.9	3.4	1.5	0.00	0.00	0.00	1.4	N
2/12/2024 07:31:00	1.7	3.4	1.7	0.00	0.00	0.00	1.4	E
2/12/2024 07:32:00	1.6	3.5	1.8	0.00	0.00	0.00	1.4	ENE
2/12/2024 07:33:00	2.0	3.2	1.2	0.00	0.00	0.00	1.3	WSW
2/12/2024 07:34:00	2.3	3.0	0.7	0.00	0.00	0.00	1.4	W
2/12/2024 07:35:00	2.2	3.0	0.8	0.00	0.00	0.00	1.4	NNW
2/12/2024 07:36:00	2.0	2.9	0.9	0.00	0.00	0.00	1.4	ESE
2/12/2024 07:37:00	2.0	2.6	0.6	0.00	0.00	0.00	1.3	SSE
2/12/2024 07:38:00	1.9	2.6	0.7	0.00	0.01	0.00	1.3	ESE
2/12/2024 07:39:00	2.0	2.3	0.3	0.01	0.01	0.00	1.4	NW
2/12/2024 07:40:00	2.0	2.2	0.3	0.01	0.01	0.00	1.3	ESE
2/12/2024 07:41:00	1.8	2.2	0.5	0.01	0.01	0.00	1.4	SSE
2/12/2024 07:42:00	1.8	2.1	0.3	0.01	0.01	0.00	1.4	WSW
2/12/2024 07:43:00	1.8	6.5	4.6	0.01	0.01	0.00	1.3	SE
2/12/2024 07:44:00	2.0	6.7	4.8	0.01	0.01	0.00	1.4	ESE
2/12/2024 07:45:00	2.0	6.9	4.9	0.01	0.01	0.00	1.4	SE
2/12/2024 07:46:00	2.2	6.8	4.5	0.01	0.01	0.00	1.4	SW
2/12/2024 07:47:00	2.5	6.8	4.3	0.01	0.01	0.00	1.4	SE
2/12/2024 07:48:00	2.9	7.4	4.5	0.01	0.01	0.00	1.4	SE
2/12/2024 07:49:00	2.7	7.7	4.9	0.01	0.01	0.01	1.4	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
2/12/2024 07:50:00	3.0	7.7	4.7	0.01	0.01	0.00	1.4	SW
2/12/2024 07:51:00	3.0	7.7	4.6	0.01	0.01	0.00	1.4	ESE
2/12/2024 07:52:00	3.1	7.7	4.6	0.01	0.01	0.00	1.4	WSW
2/12/2024 07:53:00	3.2	7.7	4.5	0.01	0.01	0.00	1.4	NE
2/12/2024 07:54:00	3.1	8.8	5.6	0.00	0.01	0.01	1.3	ENE
2/12/2024 07:55:00	3.2	10.2	6.9	0.00	0.01	0.01	1.3	E
2/12/2024 07:56:00	3.2	10.5	7.3	0.00	0.01	0.01	1.3	E
2/12/2024 07:57:00	3.2	10.7	7.6	0.00	0.01	0.01	1.3	ESE
2/12/2024 07:58:00	3.0	6.6	3.6	0.00	0.01	0.01	1.3	ENE
2/12/2024 07:59:00	2.9	6.4	3.5	0.00	0.01	0.01	1.3	NE
2/12/2024 08:00:00	3.0	6.2	3.3	0.00	0.01	0.01	1.3	SE
2/12/2024 08:01:00	3.3	6.3	3.0	0.00	0.01	0.01	1.3	SSE
2/12/2024 08:02:00	3.1	7.2	4.1	0.00	0.01	0.01	1.3	NNE
2/12/2024 08:03:00	2.4	7.7	5.3	0.00	0.01	0.01	1.3	ENE
2/12/2024 08:04:00	2.3	7.7	5.4	0.00	0.01	0.01	1.3	SE
2/12/2024 08:05:00	2.1	7.7	5.6	0.00	0.01	0.01	1.3	E
2/12/2024 08:06:00	2.1	7.7	5.5	0.00	0.01	0.01	1.2	E
2/12/2024 08:07:00	2.0	7.6	5.7	0.00	0.01	0.01	1.1	ESE
2/12/2024 08:08:00	2.0	7.5	5.5	0.00	0.01	0.01	1.1	SE
2/12/2024 08:09:00	2.1	6.5	4.4	0.00	0.01	0.01	1.1	S
2/12/2024 08:10:00	2.1	5.1	3.0	0.00	0.01	0.01	1.1	SW
2/12/2024 08:11:00	2.2	4.8	2.5	0.00	0.01	0.01	1.1	W
2/12/2024 08:12:00	2.3	4.6	2.2	0.00	0.01	0.01	1.1	S
2/12/2024 08:13:00	2.7	4.4	1.6	0.01	0.01	0.00	1.0	SSW
2/12/2024 08:14:00	2.7	4.5	1.8	0.01	0.01	0.00	1.0	NE
2/12/2024 08:15:00	2.6	4.2	1.6	0.01	0.01	0.00	1.0	S
2/12/2024 08:16:00	2.2	4.2	2.0	0.01	0.01	0.00	1.1	ESE
2/12/2024 08:17:00	3.2	3.1	-0.1	0.01	0.01	0.00	1.1	WNW
2/12/2024 08:18:00	3.1	2.3	-0.8	0.01	0.01	0.00	1.2	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
2/12/2024 08:19:00	3.1	2.1	-1.0	0.01	0.01	0.00	1.2	NE
2/12/2024 08:20:00	3.1	2.0	-1.1	0.01	0.01	0.00	1.2	WNW
2/12/2024 08:21:00	3.0	1.8	-1.2	0.01	0.01	0.00	1.3	ESE
2/12/2024 08:22:00	3.0	1.8	-1.1	0.01	0.00	0.00	1.3	SSE
2/12/2024 08:23:00	2.9	1.8	-1.1	0.01	0.00	0.00	1.4	SE
2/12/2024 08:24:00	2.7	1.8	-0.9	0.01	0.01	0.00	1.4	E
2/12/2024 08:25:00	2.6	1.8	-0.9	0.01	0.01	0.00	1.4	SSW
2/12/2024 08:26:00	2.5	1.9	-0.7	0.01	0.01	0.00	1.4	SSE
2/12/2024 08:27:00	2.5	2.0	-0.6	0.01	0.01	0.00	1.4	ESE
2/12/2024 08:28:00	2.2	2.3	0.1	0.00	0.01	0.00	1.5	ESE
2/12/2024 08:29:00	2.2	1.9	-0.3	0.01	0.01	0.00	1.4	SE
2/12/2024 08:30:00	2.3	3.6	1.4	0.00	0.01	0.00	1.4	E
2/12/2024 08:31:00	2.4	3.9	1.4	0.00	0.01	0.00	1.4	NNW
2/12/2024 08:32:00	1.4	4.0	2.6	0.00	0.01	0.00	1.4	SE
2/12/2024 08:33:00	1.5	4.0	2.5	0.01	0.01	0.00	1.3	W
2/12/2024 08:34:00	1.5	4.1	2.6	0.01	0.01	0.00	1.3	W
2/12/2024 08:35:00	1.6	4.1	2.5	0.01	0.01	0.00	1.3	N
2/12/2024 08:36:00	1.7	4.2	2.5	0.01	0.01	0.00	1.2	SE
2/12/2024 08:37:00	1.7	4.2	2.5	0.01	0.01	0.00	1.2	NE
2/12/2024 08:38:00	1.8	4.3	2.4	0.01	0.01	0.00	1.2	WSW
2/12/2024 08:39:00	1.9	4.3	2.4	0.01	0.01	0.00	1.1	NE
2/12/2024 08:40:00	2.0	4.3	2.4	0.01	0.01	0.00	1.1	N
2/12/2024 08:41:00	2.0	4.2	2.2	0.01	0.01	0.00	1.1	SSE
2/12/2024 08:42:00	1.9	4.1	2.2	0.01	0.01	0.00	1.1	SSE
2/12/2024 08:43:00	1.9	3.9	2.0	0.01	0.01	0.00	1.1	WNW
2/12/2024 08:44:00	2.0	3.9	1.9	0.01	0.01	0.00	1.1	ESE
2/12/2024 08:45:00	1.9	2.3	0.3	0.01	0.01	0.00	1.2	W
2/12/2024 08:46:00	1.8	1.9	0.1	0.01	0.01	0.00	1.2	NW
2/12/2024 08:47:00	1.7	1.8	0.1	0.01	0.01	0.00	1.2	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
2/12/2024 08:48:00	1.6	1.6	0.0	0.01	0.01	0.00	1.3	E
2/12/2024 08:49:00	1.5	1.4	-0.1	0.01	0.01	0.00	1.3	N
2/12/2024 08:50:00	1.4	1.4	0.1	0.01	0.01	0.00	1.3	E
2/12/2024 08:51:00	1.3	1.4	0.1	0.01	0.01	0.00	1.3	E
2/12/2024 08:52:00	1.2	1.4	0.2	0.01	0.01	0.00	1.3	E
2/12/2024 08:53:00	1.1	1.4	0.2	0.01	0.01	0.00	1.4	ESE
2/12/2024 08:54:00	1.0	1.3	0.3	0.01	0.01	0.00	1.5	NNW
2/12/2024 08:55:00	0.9	1.2	0.3	0.01	0.01	0.00	1.5	WNW
2/12/2024 08:56:00	0.8	1.1	0.3	0.01	0.01	0.00	1.5	ENE
2/12/2024 08:57:00	0.7	1.0	0.3	0.00	0.01	0.01	1.6	SE
2/12/2024 08:58:00	0.6	0.8	0.2	0.00	0.01	0.01	1.6	ESE
2/12/2024 08:59:00	0.5	0.8	0.3	0.00	0.01	0.01	1.6	SW
2/12/2024 09:00:00	0.5	0.7	0.2	0.00	0.01	0.01	1.6	ENE
2/12/2024 09:01:00	0.4	0.6	0.3	0.00	0.01	0.01	1.5	W
2/12/2024 09:02:00	0.4	0.7	0.3	0.00	0.01	0.01	1.5	SE
2/12/2024 09:03:00	1.0	0.6	-0.3	0.00	0.01	0.01	1.4	SE
2/12/2024 09:04:00	1.0	1.2	0.3	0.00	0.01	0.01	1.4	WSW
2/12/2024 09:05:00	1.0	1.5	0.5	0.00	0.01	0.00	1.5	SSE
2/12/2024 09:06:00	1.2	1.5	0.3	0.00	0.01	0.00	1.5	ESE
2/12/2024 09:07:00	1.4	1.8	0.4	0.00	0.01	0.00	1.5	E
2/12/2024 09:08:00	1.9	2.1	0.2	0.00	0.01	0.00	1.5	ENE
2/12/2024 09:09:00	2.1	2.3	0.2	0.00	0.01	0.00	1.5	E
2/12/2024 09:10:00	2.2	2.4	0.1	0.00	0.01	0.01	1.5	E
2/12/2024 09:11:00	2.4	2.4	0.1	0.00	0.01	0.00	1.4	SSE
2/12/2024 09:12:00	2.4	2.5	0.1	0.00	0.01	0.00	1.4	SE
2/12/2024 09:13:00	2.6	2.6	-0.1	0.00	0.01	0.00	1.3	ESE
2/12/2024 09:14:00	2.8	2.7	-0.1	0.00	0.01	0.01	1.3	ENE
2/12/2024 09:15:00	2.9	2.8	-0.1	0.00	0.01	0.01	1.3	E
2/12/2024 09:16:00	3.8	3.0	-0.9	0.00	0.01	0.01	1.3	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
2/12/2024 09:17:00	4.0	3.1	-1.0	0.00	0.01	0.01	1.2	E
2/12/2024 09:18:00	3.6	3.3	-0.4	0.00	0.01	0.01	1.2	ESE
2/12/2024 09:19:00	3.7	2.7	-1.1	0.00	0.01	0.01	1.2	SE
2/12/2024 09:20:00	3.8	2.4	-1.3	0.00	0.01	0.01	1.2	ESE
2/12/2024 09:21:00	3.6	2.5	-1.1	0.00	0.02	0.01	1.2	ESE
2/12/2024 09:22:00	3.4	2.4	-0.9	0.00	0.02	0.02	1.1	SE
2/12/2024 09:23:00	3.0	2.1	-0.8	0.01	0.02	0.01	1.1	SW
2/12/2024 09:24:00	2.8	2.0	-0.8	0.01	0.02	0.01	1.1	WSW
2/12/2024 09:25:00	2.8	2.0	-0.8	0.01	0.03	0.02	1.1	WNW
2/12/2024 09:26:00	2.8	2.0	-0.8	0.01	0.03	0.01	1.1	NE
2/12/2024 09:27:00	2.9	2.0	-0.8	0.01	0.03	0.02	1.1	SE
2/12/2024 09:28:00	2.7	2.1	-0.6	0.01	0.03	0.02	1.1	ESE
2/12/2024 09:29:00	2.7	2.1	-0.6	0.01	0.03	0.02	1.2	E
2/12/2024 09:30:00	2.6	1.9	-0.7	0.01	0.03	0.02	1.3	SE
2/12/2024 09:31:00	1.8	1.8	0.1	0.01	0.03	0.02	1.3	E
2/12/2024 09:32:00	1.5	1.8	0.3	0.01	0.03	0.02	1.2	E
2/12/2024 09:33:00	1.4	1.8	0.3	0.02	0.03	0.02	1.2	ESE
2/12/2024 09:34:00	1.4	1.8	0.4	0.02	0.03	0.01	1.2	SE
2/12/2024 09:35:00	1.3	1.8	0.4	0.02	0.03	0.01	1.2	E
2/12/2024 09:36:00	1.3	1.6	0.3	0.02	0.03	0.01	1.1	ESE
2/12/2024 09:37:00	1.3	1.4	0.1	0.02	0.02	0.00	1.1	S
2/12/2024 09:38:00	1.3	1.4	0.1	0.01	0.02	0.01	1.1	SSW
2/12/2024 09:39:00	1.7	1.3	-0.3	0.01	0.02	0.01	1.1	SSE
2/12/2024 09:40:00	1.7	2.9	1.3	0.01	0.01	0.00	1.1	ESE
2/12/2024 09:41:00	1.9	3.4	1.5	0.01	0.01	0.01	1.1	SSW
2/12/2024 09:42:00	2.0	3.9	1.9	0.01	0.01	0.01	1.1	N
2/12/2024 09:43:00	2.0	4.0	2.0	0.01	0.01	0.01	1.1	E
2/12/2024 09:44:00	2.0	4.0	2.0	0.01	0.01	0.01	1.1	E
2/12/2024 09:45:00	2.0	4.2	2.2	0.01	0.01	0.01	1.1	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
2/12/2024 09:46:00	2.0	4.4	2.3	0.01	0.01	0.01	1.1	E
2/12/2024 09:47:00	2.0	4.3	2.3	0.01	0.01	0.01	1.1	N
2/12/2024 09:48:00	2.0	4.3	2.3	0.01	0.01	0.01	1.2	SE
2/12/2024 09:49:00	2.1	4.3	2.3	0.01	0.01	0.01	1.2	ESE
2/12/2024 09:50:00	2.1	4.4	2.2	0.01	0.01	0.00	1.2	WNW
2/12/2024 09:51:00	2.3	4.4	2.1	0.01	0.01	0.00	1.3	SW
2/12/2024 09:52:00	2.4	4.4	2.0	0.01	0.01	0.00	1.4	WNW
2/12/2024 09:53:00	2.4	4.4	2.0	0.01	0.02	0.00	1.4	NW
2/12/2024 09:54:00	2.0	4.4	2.4	0.02	0.02	0.00	1.4	SSE
2/12/2024 09:55:00	2.0	2.8	0.8	0.02	0.02	0.00	1.4	ESE
2/12/2024 09:56:00	1.6	2.2	0.6	0.02	0.02	0.01	1.4	ESE
2/12/2024 09:57:00							1.4	WNW
2/12/2024 09:58:00							1.5	WNW
2/12/2024 09:59:00							1.5	W
2/12/2024 10:00:00							1.5	W
2/12/2024 10:01:00							1.6	ESE
2/12/2024 10:02:00							1.5	SSE
2/12/2024 10:03:00							1.6	SSE
2/12/2024 10:04:00							1.6	N
2/12/2024 10:05:00							1.6	W
2/12/2024 10:06:00							1.7	ESE
2/12/2024 10:07:00							1.7	SW
2/12/2024 10:08:00							1.7	E
2/12/2024 10:09:00							1.7	SSE
2/12/2024 10:10:00	2.9	4.0	1.1	0.00	0.01	0.01	1.7	ESE
2/12/2024 10:11:00							1.7	E
2/12/2024 10:12:00							1.6	E
2/12/2024 10:13:00							1.5	SW
2/12/2024 10:14:00							1.5	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
2/12/2024 10:15:00							1.4	WNW
2/12/2024 10:16:00							1.4	ENE
2/12/2024 10:17:00							1.3	E
2/12/2024 10:18:00							1.4	NW
2/12/2024 10:19:00							1.4	W
2/12/2024 10:20:00							1.3	NW
2/12/2024 10:21:00							1.3	NW
2/12/2024 10:22:00							1.3	SE
2/12/2024 10:23:00							1.3	E
2/12/2024 10:24:00	2.3	0.0	-2.3	0.01	0.02	0.01	1.4	W
2/12/2024 10:25:00	2.5	0.5	-2.0	0.01	0.04	0.03	1.3	WSW
2/12/2024 10:26:00	1.8	1.5	-0.3	0.02	0.03	0.01	1.3	SE
2/12/2024 10:27:00	1.8	1.8	0.0	0.01	0.02	0.01	1.4	ESE
2/12/2024 10:28:00	1.7	2.0	0.3	0.01	0.02	0.01	1.4	SE
2/12/2024 10:29:00	1.6	2.3	0.6	0.01	0.02	0.01	1.4	ESE
2/12/2024 10:30:00	1.9	2.0	0.1	0.01	0.02	0.01	1.4	SW
2/12/2024 10:31:00	2.0	1.8	-0.3	0.01	0.01	0.01	1.4	SSE
2/12/2024 10:32:00	1.9	2.0	0.1	0.01	0.01	0.01	1.4	SE
2/12/2024 10:33:00	1.9	2.2	0.3	0.01	0.01	0.01	1.4	ESE
2/12/2024 10:34:00	1.8	2.3	0.6	0.01	0.01	0.01	1.4	ENE
2/12/2024 10:35:00	1.6	2.4	0.8	0.01	0.01	0.01	1.4	ESE
2/12/2024 10:36:00	1.6	2.5	0.9	0.01	0.01	0.01	1.4	SE
2/12/2024 10:37:00	1.6	2.5	0.9	0.01	0.01	0.01	1.4	ESE
2/12/2024 10:38:00	1.8	2.5	0.7	0.01	0.01	0.01	1.4	S
2/12/2024 10:39:00	1.8	3.0	1.2	0.01	0.01	0.01	1.3	SSW
2/12/2024 10:40:00	1.8	3.8	1.9	0.01	0.01	0.00	1.3	SSE
2/12/2024 10:41:00	1.9	3.7	1.9	0.00	0.01	0.00	1.4	ENE
2/12/2024 10:42:00	1.8	3.8	2.0	0.00	0.01	0.00	1.4	E
2/12/2024 10:43:00	1.8	3.8	2.0	0.00	0.01	0.00	1.4	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
2/12/2024 10:44:00	1.8	3.8	2.0	0.00	0.01	0.00	1.4	ESE
2/12/2024 10:45:00	1.7	4.0	2.4	0.00	0.01	0.01	1.3	E
2/12/2024 10:46:00	1.5	4.3	2.8	0.00	0.01	0.01	1.3	N
2/12/2024 10:47:00	1.5	4.6	3.1	0.00	0.01	0.01	1.3	SE
2/12/2024 10:48:00	2.3	4.4	2.1	0.00	0.01	0.00	1.3	S
2/12/2024 10:49:00	2.5	4.2	1.7	0.00	0.01	0.00	1.2	SW
2/12/2024 10:50:00	2.9	4.2	1.4	0.00	0.01	0.00	1.2	ESE
2/12/2024 10:51:00	3.0	4.3	1.3	0.01	0.01	0.00	1.2	SW
2/12/2024 10:52:00	3.1	4.3	1.2	0.01	0.01	0.00	1.2	SE
2/12/2024 10:53:00	2.9	4.5	1.6	0.01	0.01	0.00	1.3	ESE
2/12/2024 10:54:00	2.7	4.1	1.5	0.00	0.01	0.00	1.3	E
2/12/2024 10:55:00	2.5	3.6	1.2	0.00	0.01	0.00	1.3	SE
2/12/2024 10:56:00	2.7	3.5	0.7	0.00	0.01	0.00	1.3	NW
2/12/2024 10:57:00	3.0	3.3	0.4	0.01	0.01	0.00	1.3	W
2/12/2024 10:58:00	2.9	3.4	0.5	0.01	0.01	0.00	1.4	ESE
2/12/2024 10:59:00	2.9	3.5	0.5	0.01	0.01	0.00	1.4	NE
2/12/2024 11:00:00	3.1	3.3	0.2	0.01	0.01	0.00	1.4	SSW
2/12/2024 11:01:00	3.3	3.2	-0.1	0.01	0.01	0.00	1.4	S
2/12/2024 11:02:00	3.5	3.0	-0.6	0.01	0.00	0.00	1.4	S
2/12/2024 11:03:00	3.0	3.1	0.1	0.01	0.00	0.00	1.4	SW
2/12/2024 11:04:00	3.0	3.2	0.2	0.01	0.00	0.00	1.4	SSE
2/12/2024 11:05:00	2.8	3.2	0.4	0.01	0.00	0.00	1.3	SE
2/12/2024 11:06:00	2.6	3.1	0.4	0.01	0.01	0.00	1.3	ESE
2/12/2024 11:07:00	2.5	3.3	0.8	0.01	0.01	0.00	1.3	NNW
2/12/2024 11:08:00	2.5	3.4	0.9	0.01	0.01	0.00	1.2	N
2/12/2024 11:09:00	2.5	3.4	0.8	0.01	0.01	0.00	1.2	E
2/12/2024 11:10:00	2.8	3.1	0.3	0.01	0.01	0.00	1.2	SSE
2/12/2024 11:11:00	2.5	3.4	0.8	0.01	0.01	0.00	1.3	SE
2/12/2024 11:12:00	2.4	3.3	0.8	0.01	0.01	0.00	1.2	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
2/12/2024 11:13:00	2.4	3.2	0.9	0.01	0.01	0.00	1.2	ESE
2/12/2024 11:14:00	2.4	3.2	0.8	0.01	0.01	0.00	1.2	E
2/12/2024 11:15:00	2.3	3.4	1.1	0.00	0.01	0.00	1.2	E
2/12/2024 11:16:00	2.3	3.4	1.1	0.00	0.01	0.00	1.2	E
2/12/2024 11:17:00	2.2	3.5	1.3	0.00	0.01	0.01	1.2	ENE
2/12/2024 11:18:00	2.0	3.7	1.7	0.00	0.01	0.01	1.2	ENE
2/12/2024 11:19:00	1.8	3.9	2.0	0.00	0.01	0.01	1.3	ESE
2/12/2024 11:20:00	2.0	3.8	1.8	0.00	0.01	0.01	1.3	SSE
2/12/2024 11:21:00	1.9	3.9	1.9	0.00	0.01	0.01	1.3	ESE
2/12/2024 11:22:00	2.0	3.8	1.8	0.00	0.01	0.01	1.4	SE
2/12/2024 11:23:00	2.2	3.8	1.6	0.00	0.01	0.01	1.4	S
2/12/2024 11:24:00	2.4	4.0	1.6	0.00	0.01	0.00	1.5	W
2/12/2024 11:25:00	2.4	4.2	1.8	0.00	0.01	0.01	1.5	ENE
2/12/2024 11:26:00	2.7	4.2	1.5	0.00	0.01	0.00	1.5	ENE
2/12/2024 11:27:00	2.7	4.5	1.8	0.00	0.01	0.01	1.6	E
2/12/2024 11:28:00	2.9	4.6	1.7	0.00	0.01	0.01	1.7	E
2/12/2024 11:29:00	3.0	4.5	1.6	0.00	0.01	0.01	1.7	ESE
2/12/2024 11:30:00	2.9	5.2	2.3	0.00	0.01	0.01	1.7	ENE
2/12/2024 11:31:00	2.7	5.2	2.5	0.00	0.01	0.00	1.8	E
2/12/2024 11:32:00	2.5	5.3	2.8	0.00	0.00	0.00	1.7	NNE
2/12/2024 11:33:00	2.8	4.9	2.1	0.00	0.00	0.00	1.7	NW
2/12/2024 11:34:00	2.6	4.8	2.2	0.00	0.00	0.00	1.8	ENE
2/12/2024 11:35:00	2.3	5.0	2.7	0.00	0.01	0.00	1.8	E
2/12/2024 11:36:00	2.3	5.1	2.9	0.00	0.01	0.01	1.9	E
2/12/2024 11:37:00	2.2	5.1	2.9	0.00	0.01	0.01	1.9	ENE
2/12/2024 11:38:00	1.9	5.1	3.2	0.00	0.01	0.01	1.9	E
2/12/2024 11:39:00	1.7	4.9	3.2	0.00	0.01	0.01	1.8	E
2/12/2024 11:40:00	1.5	4.9	3.4	0.00	0.01	0.01	1.8	NNW
2/12/2024 11:41:00	1.2	4.9	3.7	0.00	0.01	0.01	1.8	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
2/12/2024 11:42:00	1.0	4.8	3.8	0.00	0.01	0.01	1.7	ESE
2/12/2024 11:43:00	0.8	4.7	3.9	0.00	0.01	0.01	1.7	ESE
2/12/2024 11:44:00	0.7	4.7	4.0	0.00	0.01	0.01	1.7	ENE
2/12/2024 11:45:00	0.6	4.1	3.5	0.00	0.01	0.01	1.7	ESE
2/12/2024 11:46:00	0.5	4.0	3.5	0.00	0.01	0.01	1.7	ESE
2/12/2024 11:47:00	0.6	3.8	3.3	0.00	0.01	0.01	1.7	ESE
2/12/2024 11:48:00	0.5	3.9	3.4	0.00	0.01	0.01	1.7	SSW
2/12/2024 11:49:00	0.5	3.9	3.5	0.00	0.01	0.01	1.7	ENE
2/12/2024 11:50:00	0.5	4.0	3.5	0.00	0.01	0.01	1.6	E
2/12/2024 11:51:00	0.5	3.8	3.3	0.00	0.01	0.01	1.6	E
2/12/2024 11:52:00	0.6	3.7	3.1	0.00	0.01	0.01	1.6	E
2/12/2024 11:53:00	0.6	3.7	3.1	0.00	0.01	0.01	1.5	ESE
2/12/2024 11:54:00	0.8	3.5	2.7	0.00	0.01	0.01	1.5	SW
2/12/2024 11:55:00	0.8	3.5	2.7	0.00	0.01	0.01	1.6	ENE
2/12/2024 11:56:00	0.8	3.5	2.7	0.00	0.01	0.01	1.5	ESE
2/12/2024 11:57:00	0.8	3.5	2.7	0.00	0.01	0.01	1.5	ESE
2/12/2024 11:58:00	0.8	3.5	2.7	0.00	0.01	0.01	1.5	ESE
2/12/2024 11:59:00	1.1	3.3	2.3	0.00	0.01	0.01	1.5	SSW
2/12/2024 12:00:00	1.3	3.1	1.8	0.00	0.01	0.01	1.5	SSE
2/12/2024 12:01:00	1.5	2.9	1.3	0.00	0.01	0.01	1.5	SSW
2/12/2024 12:02:00	1.6	2.6	1.0	0.00	0.01	0.01	1.5	SSE
2/12/2024 12:03:00	1.4	2.8	1.4	0.00	0.01	0.01	1.5	ENE
2/12/2024 12:04:00	1.4	2.8	1.4	0.00	0.01	0.01	1.5	ENE
2/12/2024 12:05:00	1.4	2.7	1.3	0.00	0.01	0.00	1.5	ESE
2/12/2024 12:06:00	1.4	2.7	1.4	0.00	0.00	0.00	1.5	E
2/12/2024 12:07:00	1.4	2.8	1.4	0.00	0.00	0.00	1.5	ENE
2/12/2024 12:08:00	1.6	2.5	0.9	0.00	0.00	0.00	1.5	S
2/12/2024 12:09:00	1.7	2.5	0.8	0.00	0.00	0.00	1.5	SW
2/12/2024 12:10:00	1.7	2.5	0.9	0.00	0.00	0.00	1.5	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
2/12/2024 12:11:00	1.7	2.6	0.9	0.00	0.01	0.00	1.5	ESE
2/12/2024 12:12:00	2.0	2.4	0.4	0.01	0.00	0.00	1.5	WNW
2/12/2024 12:13:00	2.7	2.5	-0.2	0.01	0.00	0.00	1.5	N
2/12/2024 12:14:00	3.4	3.0	-0.4	0.00	0.01	0.00	1.5	NE
2/12/2024 12:15:00	3.7	3.4	-0.3	0.00	0.01	0.00	1.5	E
2/12/2024 12:16:00	3.9	3.9	0.1	0.00	0.01	0.00	1.5	ESE
2/12/2024 12:17:00	4.1	4.2	0.1	0.00	0.01	0.00	1.5	SSE
2/12/2024 12:18:00	4.5	4.1	-0.4	0.00	0.01	0.00	1.4	SE
2/12/2024 12:19:00	4.8	4.0	-0.8	0.01	0.01	0.00	1.4	SE
2/12/2024 12:20:00	4.9	4.0	-0.9	0.01	0.01	0.00	1.5	SE
2/12/2024 12:21:00	5.1	4.1	-1.0	0.01	0.01	0.00	1.5	NNE
2/12/2024 12:22:00	5.3	4.1	-1.2	0.01	0.01	0.00	1.5	SE
2/12/2024 12:23:00	5.3	4.6	-0.8	0.01	0.01	0.00	1.5	WSW
2/12/2024 12:24:00	5.5	5.0	-0.5	0.00	0.01	0.01	1.5	N
2/12/2024 12:25:00	6.0	5.3	-0.7	0.01	0.01	0.00	1.4	SSW
2/12/2024 12:26:00	6.2	5.4	-0.8	0.01	0.01	0.00	1.4	NE
2/12/2024 12:27:00	6.6	5.7	-0.9	0.00	0.01	0.01	1.4	ENE
2/12/2024 12:28:00	6.5	5.8	-0.7	0.00	0.01	0.01	1.4	ENE
2/12/2024 12:29:00	6.1	5.8	-0.3	0.00	0.01	0.01	1.4	ENE
2/12/2024 12:30:00	5.8	5.7	-0.1	0.00	0.01	0.01	1.4	SE
2/12/2024 12:31:00	5.8	5.4	-0.4	0.01	0.01	0.00	1.4	SSE
2/12/2024 12:32:00	5.7	5.4	-0.3	0.01	0.01	0.00	1.4	SSW
2/12/2024 12:33:00	5.7	5.4	-0.3	0.01	0.01	0.00	1.4	SSW
2/12/2024 12:34:00	5.5	5.6	0.1	0.01	0.01	0.01	1.4	E
2/12/2024 12:35:00	5.6	5.6	0.0	0.01	0.01	0.01	1.4	ESE
2/12/2024 12:36:00	5.9	6.0	0.1	0.01	0.01	0.01	1.5	WSW
2/12/2024 12:37:00	6.1	5.9	-0.1	0.01	0.01	0.00	1.4	SW
2/12/2024 12:38:00	5.9	5.9	0.1	0.01	0.01	0.01	1.4	N
2/12/2024 12:39:00	5.6	5.9	0.3	0.01	0.01	0.01	1.4	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
2/12/2024 12:40:00	5.2	5.8	0.7	0.01	0.01	0.01	1.5	ESE
2/12/2024 12:41:00	5.0	6.0	0.9	0.01	0.01	0.01	1.5	E
2/12/2024 12:42:00	4.9	5.7	0.8	0.01	0.01	0.01	1.5	SSE
2/12/2024 12:43:00	4.5	5.8	1.4	0.01	0.01	0.01	1.5	SE
2/12/2024 12:44:00	4.5	5.5	1.0	0.01	0.01	0.01	1.5	WSW
2/12/2024 12:45:00	4.9	5.1	0.2	0.01	0.01	0.00	1.5	SW
2/12/2024 12:46:00	4.7	5.8	1.1	0.01	0.01	0.01	1.5	SE
2/12/2024 12:47:00	4.9	5.7	0.8	0.01	0.01	0.01	1.5	S
2/12/2024 12:48:00	4.7	6.1	1.4	0.00	0.01	0.01	1.5	E
2/12/2024 12:49:00	4.7	6.2	1.5	0.00	0.01	0.01	1.5	NNW
2/12/2024 12:50:00	4.5	6.4	1.9	0.00	0.01	0.01	1.5	ESE
2/12/2024 12:51:00	4.3	6.3	2.0	0.00	0.01	0.01	1.5	ESE
2/12/2024 12:52:00	4.4	6.3	1.9	0.01	0.01	0.01	1.5	WSW
2/12/2024 12:53:00	4.8	6.0	1.3	0.01	0.01	0.00	1.5	WSW
2/12/2024 12:54:00	5.2	5.7	0.5	0.01	0.01	0.00	1.5	WSW
2/12/2024 12:55:00	5.5	5.4	-0.1	0.02	0.01	-0.01	1.5	NW
2/12/2024 12:56:00	5.4	5.3	-0.2	0.02	0.01	0.00	1.5	ESE
2/12/2024 12:57:00	4.9	5.5	0.6	0.02	0.02	0.00	1.5	SE
2/12/2024 12:58:00	5.0	5.5	0.5	0.02	0.02	0.00	1.5	ESE
2/12/2024 12:59:00	4.8	5.5	0.7	0.02	0.02	0.00	1.4	W
2/12/2024 13:00:00	4.3	5.9	1.6	0.02	0.02	0.00	1.4	ESE
2/12/2024 13:01:00	4.3	5.5	1.3	0.02	0.02	0.00	1.4	SE
2/12/2024 13:02:00	4.2	5.6	1.5	0.02	0.02	0.00	1.4	W
2/12/2024 13:03:00	4.5	5.5	1.0	0.02	0.02	0.00	1.3	NNW
2/12/2024 13:04:00	4.6	5.4	0.8	0.02	0.02	0.00	1.4	E
2/12/2024 13:05:00	4.6	5.2	0.6	0.02	0.03	0.00	1.3	ENE
2/12/2024 13:06:00	4.8	4.7	-0.1	0.03	0.02	0.00	1.3	S
2/12/2024 13:07:00	4.6	4.6	0.0	0.03	0.02	0.00	1.3	W
2/12/2024 13:08:00	4.2	4.7	0.5	0.03	0.03	-0.01	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
2/12/2024 13:09:00	4.0	4.6	0.7	0.03	0.03	0.00	1.3	SW
2/12/2024 13:10:00	3.9	4.6	0.7	0.03	0.03	0.00	1.3	WNW
2/12/2024 13:11:00	4.0	4.6	0.6	0.03	0.03	0.00	1.3	ENE
2/12/2024 13:12:00	4.2	4.5	0.3	0.03	0.03	0.00	1.3	WNW
2/12/2024 13:13:00	4.5	4.2	-0.3	0.03	0.02	0.00	1.3	W
2/12/2024 13:14:00	4.2	4.4	0.2	0.03	0.03	0.00	1.3	ENE
2/12/2024 13:15:00	4.0	4.3	0.2	0.03	0.02	-0.01	1.3	ESE
2/12/2024 13:16:00	4.1	4.1	0.0	0.03	0.02	-0.01	1.2	SE
2/12/2024 13:17:00	4.0	4.3	0.3	0.03	0.03	0.00	1.2	ESE
2/12/2024 13:18:00	3.9	4.3	0.4	0.03	0.03	0.00	1.2	ESE
2/12/2024 13:19:00	4.1	4.2	0.1	0.03	0.02	0.00	1.1	NW
2/12/2024 13:20:00	4.5	4.1	-0.4	0.03	0.02	-0.01	1.2	W
2/12/2024 13:21:00	4.3	4.3	0.0	0.02	0.02	0.00	1.2	ESE
2/12/2024 13:22:00	4.4	4.5	0.1	0.02	0.02	0.00	1.1	SW
2/12/2024 13:23:00	4.7	4.6	-0.2	0.01	0.02	0.01	1.1	SSE
2/12/2024 13:24:00	4.7	4.9	0.2	0.01	0.01	0.00	1.0	SE
2/12/2024 13:25:00	4.5	5.2	0.6	0.01	0.02	0.01	0.9	E
2/12/2024 13:26:00	4.8	4.9	0.1	0.01	0.02	0.00	0.9	W
2/12/2024 13:27:00	4.8	5.2	0.3	0.01	0.02	0.01	0.9	SW
2/12/2024 13:28:00	5.0	5.3	0.3	0.01	0.02	0.01	0.8	NNW
2/12/2024 13:29:00	5.1	5.4	0.3	0.01	0.02	0.01	0.8	ENE
2/12/2024 13:30:00	5.3	5.2	-0.1	0.01	0.02	0.01	0.9	SSW
2/12/2024 13:31:00	5.5	5.2	-0.4	0.01	0.02	0.00	0.9	WSW
2/12/2024 13:32:00	5.4	5.3	-0.1	0.01	0.01	0.00	0.9	ENE
2/12/2024 13:33:00	5.3	5.5	0.2	0.01	0.01	0.00	1.0	SE
2/12/2024 13:34:00	4.9	5.6	0.7	0.01	0.01	0.00	1.0	E
2/12/2024 13:35:00	4.6	5.8	1.1	0.01	0.02	0.01	1.0	E
2/12/2024 13:36:00	4.5	5.7	1.2	0.01	0.01	0.01	1.0	ESE
2/12/2024 13:37:00	4.6	5.6	1.1	0.01	0.01	0.01	1.0	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 15 min Avg	Wind Direction
2/12/2024 13:38:00	4.5	5.7	1.2	0.01	0.02	0.01	1.0	WSW
2/12/2024 13:39:00	4.6	5.6	1.0	0.01	0.01	0.01	1.1	NE
2/12/2024 13:40:00	4.6	5.7	1.1	0.01	0.01	0.00	1.1	E
2/12/2024 13:41:00	4.6	5.7	1.1	0.01	0.01	0.01	1.1	SE
2/12/2024 13:42:00	4.3	5.5	1.2	0.01	0.01	0.00	1.1	E
2/12/2024 13:43:00	4.2	5.3	1.1	0.01	0.01	0.00	1.1	SSW
2/12/2024 13:44:00	4.4	5.1	0.7	0.01	0.01	0.00	1.0	SW
2/12/2024 13:45:00	4.5	5.4	0.9	0.01	0.01	0.00	0.9	SW
2/12/2024 13:46:00	4.4	5.6	1.2	0.01	0.01	0.01	0.9	ESE
2/12/2024 13:47:00	4.4	5.5	1.0	0.01	0.01	0.01	0.8	SE
2/12/2024 13:48:00	4.5	5.3	0.8	0.01	0.01	0.01	0.8	SE
2/12/2024 13:49:00	4.8	5.3	0.5	0.01	0.01	0.00	0.8	W
2/12/2024 13:50:00	5.1	5.4	0.3	0.01	0.01	0.00	0.8	WSW
2/12/2024 13:51:00	5.2	5.4	0.3	0.01	0.01	0.00	0.8	ESE
2/12/2024 13:52:00	5.7	5.4	-0.3	0.01	0.01	0.00	0.7	SW
2/12/2024 13:53:00	7.4	5.3	-2.1	0.01	0.01	0.00	0.7	S
2/12/2024 13:54:00	7.7	5.3	-2.4	0.01	0.01	0.00	0.7	W
2/12/2024 13:55:00	9.5	6.0	-3.4	0.02	0.01	0.00	0.7	WSW
2/12/2024 13:56:00	9.6	6.5	-3.1	0.02	0.02	0.00	0.7	E
2/12/2024 13:57:00	9.8	6.7	-3.1	0.02	0.02	0.00	0.7	ENE
2/12/2024 13:58:00	9.9	6.7	-3.1	0.02	0.02	0.00	0.7	WSW
2/12/2024 13:59:00	9.9	6.9	-3.0	0.02	0.02	-0.01	0.7	W
2/12/2024 14:00:00				0.03	0.02	-0.01	0.8	WSW
2/12/2024 14:01:00	6.9	4.5	-2.5	0.03	0.02	-0.01	0.8	W
2/12/2024 14:02:00	7.4	4.3	-3.1	0.03	0.02	-0.01	0.8	WNW
2/12/2024 14:03:00	8.1	4.8	-3.3	0.03	0.01	-0.02	0.9	W
2/12/2024 14:04:00	10.2	5.4	-4.8	0.03	0.01	-0.02	0.8	W
2/12/2024 14:05:00	10.2	5.7	-4.5	0.04	0.02	-0.02	0.8	WSW
2/12/2024 14:06:00	9.7	5.8	-3.9	0.04	0.02	-0.02	0.8	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
2/12/2024 14:07:00	8.9	6.1	-2.8	0.04	0.02	-0.01	0.9	NE
2/12/2024 14:08:00	8.3	6.4	-2.0	0.03	0.03	-0.01	0.9	ESE
2/12/2024 14:09:00	8.3	6.2	-2.2	0.04	0.03	-0.01	0.9	SE
2/12/2024 14:10:00	8.0	6.3	-1.6	0.03	0.03	-0.01	0.9	ESE
2/12/2024 14:11:00				0.03	0.02	-0.01	0.9	SSE
2/12/2024 14:12:00				0.04	0.02	-0.02	0.9	W
2/12/2024 14:13:00	7.1	22.1	15.0	0.03	0.02	-0.01	0.9	WSW
2/12/2024 14:14:00	7.5	19.4	11.9	0.03	0.02	-0.01	0.8	WSW
2/12/2024 14:15:00	10.5	15.5	5.0	0.03	0.02	-0.01	0.7	ESE
2/12/2024 14:16:00	9.6	13.9	4.3	0.03	0.02	-0.01	0.7	S
2/12/2024 14:17:00	9.1	13.5	4.4	0.03	0.02	-0.01	0.7	SW
2/12/2024 14:18:00	8.7	14.2	5.4	0.03	0.02	-0.01	0.6	WSW
2/12/2024 14:19:00	8.4	14.4	5.9	0.03	0.02	-0.01	0.6	WSW
2/12/2024 14:20:00	8.3	14.0	5.7	0.03	0.02	-0.01	0.6	SW
2/12/2024 14:21:00	8.1	13.8	5.7	0.03	0.02	-0.01	0.6	W
2/12/2024 14:22:00	8.1	13.7	5.6	0.03	0.02	-0.01	0.5	S
2/12/2024 14:23:00	8.2	13.5	5.3	0.03	0.02	-0.02	0.6	WNW
2/12/2024 14:24:00	8.3	13.3	5.0	0.03	0.02	-0.01	0.7	W
2/12/2024 14:25:00	8.3	12.9	4.6	0.03	0.03	-0.01	0.8	W
2/12/2024 14:26:00	8.3	12.8	4.5	0.03	0.03	-0.01	0.8	S
2/12/2024 14:27:00	8.3	13.1	4.8	0.03	0.03	-0.01	0.8	S
2/12/2024 14:28:00	8.4	12.4	4.0	0.03	0.03	0.00	0.8	WSW
2/12/2024 14:29:00	8.7	11.8	3.2	0.03	0.03	0.00	0.8	SE
2/12/2024 14:30:00	8.3	12.1	3.8	0.03	0.02	0.00	0.8	WNW
2/12/2024 14:31:00	8.2	12.3	4.1	0.03	0.03	0.00	0.9	ENE
2/12/2024 14:32:00	8.2	12.3	4.0	0.02	0.03	0.00	1.0	ENE
2/12/2024 14:33:00	8.3	11.5	3.2	0.02	0.03	0.01	1.0	SSE
2/12/2024 14:34:00	8.3	11.2	2.9	0.02	0.03	0.01	1.0	E
2/12/2024 14:35:00	8.6	10.9	2.3	0.02	0.02	0.01	1.0	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
2/12/2024 14:36:00	8.6	10.6	2.0	0.02	0.02	0.00	1.0	W
2/12/2024 14:37:00	8.6	10.6	2.0	0.02	0.02	0.00	1.0	SSW
2/12/2024 14:38:00	8.5	10.3	1.8	0.02	0.02	0.00	1.0	ESE
2/12/2024 14:39:00	8.4	10.1	1.7	0.02	0.01	-0.01	0.9	S
2/12/2024 14:40:00	8.2	11.5	3.3	0.02	0.01	-0.01	0.8	WNW
2/12/2024 14:41:00	8.3	12.6	4.3	0.02	0.01	-0.01	0.8	SW
2/12/2024 14:42:00	8.3	12.6	4.3	0.02	0.01	-0.02	0.8	WSW
2/12/2024 14:43:00	8.2	13.0	4.8	0.03	0.01	-0.02	0.8	SW
2/12/2024 14:44:00	7.9	13.3	5.4	0.03	0.01	-0.01	0.8	SSW
2/12/2024 14:45:00	7.6	13.1	5.5	0.03	0.02	-0.01	0.7	SW
2/12/2024 14:46:00	7.6	12.8	5.2	0.03	0.02	-0.01	0.8	SSE
2/12/2024 14:47:00	7.6	12.8	5.3	0.03	0.02	0.00	0.7	W
2/12/2024 14:48:00	7.5	13.2	5.6	0.03	0.03	0.00	0.6	SSW
2/12/2024 14:49:00	7.5	13.2	5.7	0.03	0.03	0.00	0.6	WSW
2/12/2024 14:50:00	7.2	14.0	6.8	0.03	0.03	0.01	0.6	SW
2/12/2024 14:51:00	7.2	14.3	7.1	0.03	0.04	0.01	0.7	W
2/12/2024 14:52:00	7.2	14.3	7.0	0.02	0.04	0.01	0.7	WSW
2/12/2024 14:53:00	7.2	14.6	7.5	0.03	0.04	0.01	0.7	W
2/12/2024 14:54:00	7.3	14.8	7.5	0.02	0.04	0.02	0.9	W
2/12/2024 14:55:00	7.4	13.4	6.0	0.02	0.05	0.03	1.0	W
2/12/2024 14:56:00	7.4	12.3	4.8	0.02	0.05	0.04	1.1	WNW
2/12/2024 14:57:00	7.5	12.1	4.5	0.02	0.06	0.04	1.4	W
2/12/2024 14:58:00	8.0	12.2	4.2	0.02	0.06	0.04	1.6	W
2/12/2024 14:59:00	8.5	12.1	3.6	0.02	0.06	0.04	1.7	W
2/12/2024 15:00:00	8.7	12.0	3.3	0.02	0.06	0.04	1.8	WSW
2/12/2024 15:01:00	9.0	12.1	3.2	0.02	0.05	0.03	2.0	W
2/12/2024 15:02:00	9.1	11.8	2.7	0.02	0.05	0.03	2.2	W
2/12/2024 15:03:00	9.3	11.6	2.3	0.02	0.05	0.03	2.3	W
2/12/2024 15:04:00	9.5	11.2	1.7	0.02	0.05	0.03	2.3	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
2/12/2024 15:05:00	9.5	10.3	0.8	0.03	0.05	0.02	2.5	W
2/12/2024 15:06:00	9.5	9.8	0.3	0.03	0.05	0.02	2.6	W