

**DAILY FIELD REPORT 208**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	March 13, 2024
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	6:45 am to 3:30 pm
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**Consultant:** Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

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

**Foundation Contractor:** Urban Foundation/Engineering (Urban)

**Langan Field Personnel:**  
 Caitlyn Dempsey (Environmental)  
 Carli Piretra (Environmental)

**Work Activities Performed:**

- Urban continued excavating an about 10-foot-long by 10-foot-wide area to a depth of about 13 feet below grade surface (bgs) in the northern part of grids WC04\_5-10 and WC04\_10-15 as part of the remedial excavation of the former underground storage tank (UST). Excavated material consisted of non-native soil; residual/weathered petroleum impacts, including odors, staining, and elevated photoionization detector (PID) readings up to 364 parts per million (ppm) were observed. Excavated non-native soil was live-loaded into trucks for off-site disposal at the Clean Earth of Carteret LLC facility located in Carteret, NJ.
- Urban graded an about 15-foot-long by 15-foot-wide area in the western part of grid WC04 for equipment mobilization.
- Urban backfilled around timber lagging in the central and southern parts of grid WC04 with imported pipe sand.
- 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.

**Material Tracking:**

- The following soil/fill was exported from the site:
  - 3 loads of soil/fill from waste characterization grids WC02\_10-15, WC02\_15-20, WC04\_0-5, WC04\_5-10, WC04\_10-15, WC05\_0-5, WC05\_5-10, and WC05\_10-15 were exported for off-site disposal at the Clean Earth of Carteret LLC facility in Carteret, NJ.
- No material was imported to the site.

Materials Export Summary								
<b>Facility Name</b>	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
<b>Location</b>	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
<b>Type of Waste</b>	<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	-	3	60	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	311	6,220	0	-	15	300

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

Materials Import Summary								
<b>Facility Name</b>	<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>	
<b>Location</b>	<i>Staten Island, NY</i>		<i>Brooklyn, NY</i>		<i>Staten Island, NY</i>		<i>Perth Amboy, NJ</i>	
<b>Type of Material</b>	<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	11	275
Approved Quantity	-	500	-	500	-	200	-	300

**Samples Collected:**

- Langan collected three confirmation endpoint samples (Sample IDs UST\_RE\_EPB09\_eI\_N5, UST\_RE\_EPB10\_eI\_N5, UST\_RE\_EPB11\_N5, and UST\_RE\_EPS04\_1.5) from the base of the remedial excavation in the southern part of the site to be analyzed for volatile organic compounds (VOCs), semivolatle organic compounds (SVOCs) (including 1,4-dioxane via Method 8270-SIM), polychlorinated biphenyls (PCBs), pesticides, herbicides, metals (including trivalent and hexavalent chromium), and total cyanide.

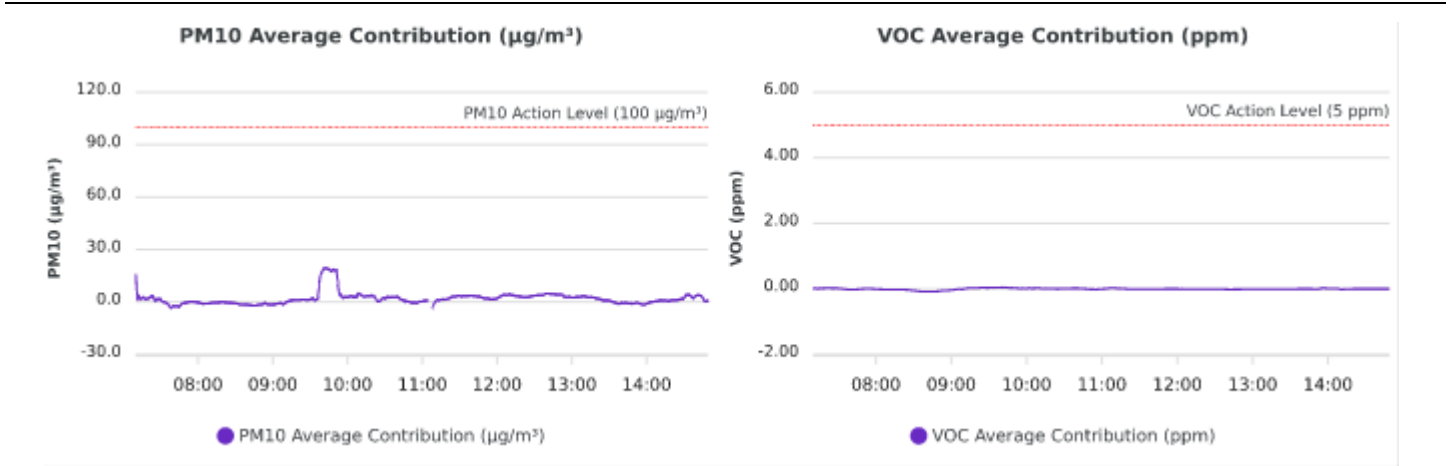
**Air Monitoring:**

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/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.

Particulate Monitoring (µg/m <sup>3</sup> )		Organic Vapor Monitoring (ppm)	
Daily Background	6.1	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-3.5	VOC Average Site Contribution (Minimum)	-0.09
PM10 Average Site Contribution (Maximum)	19.5	VOC Average Site Contribution (Maximum)	0.05

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

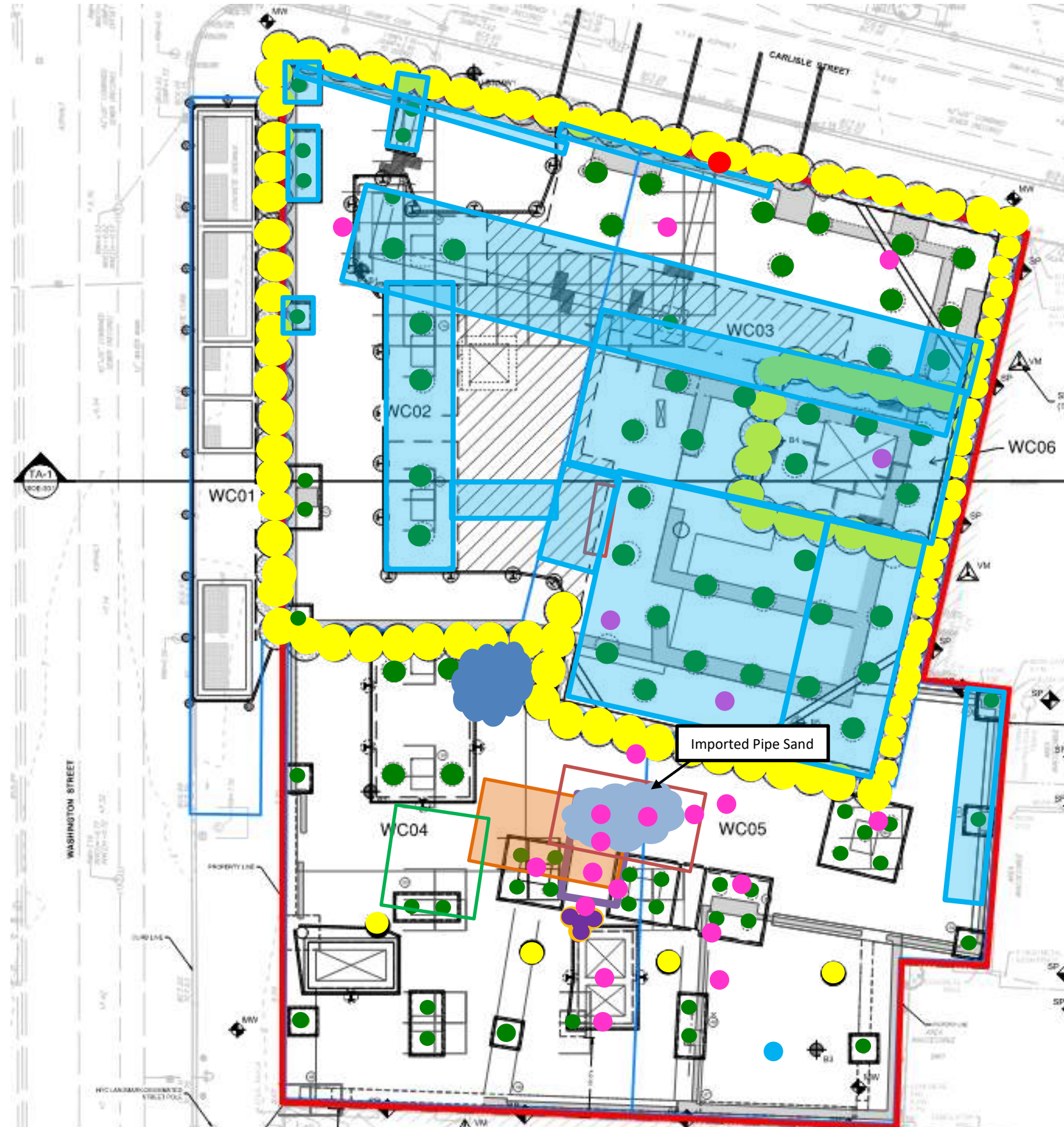
ppm: parts per million.



**Planned Activities:**

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







**SITE PLAN**

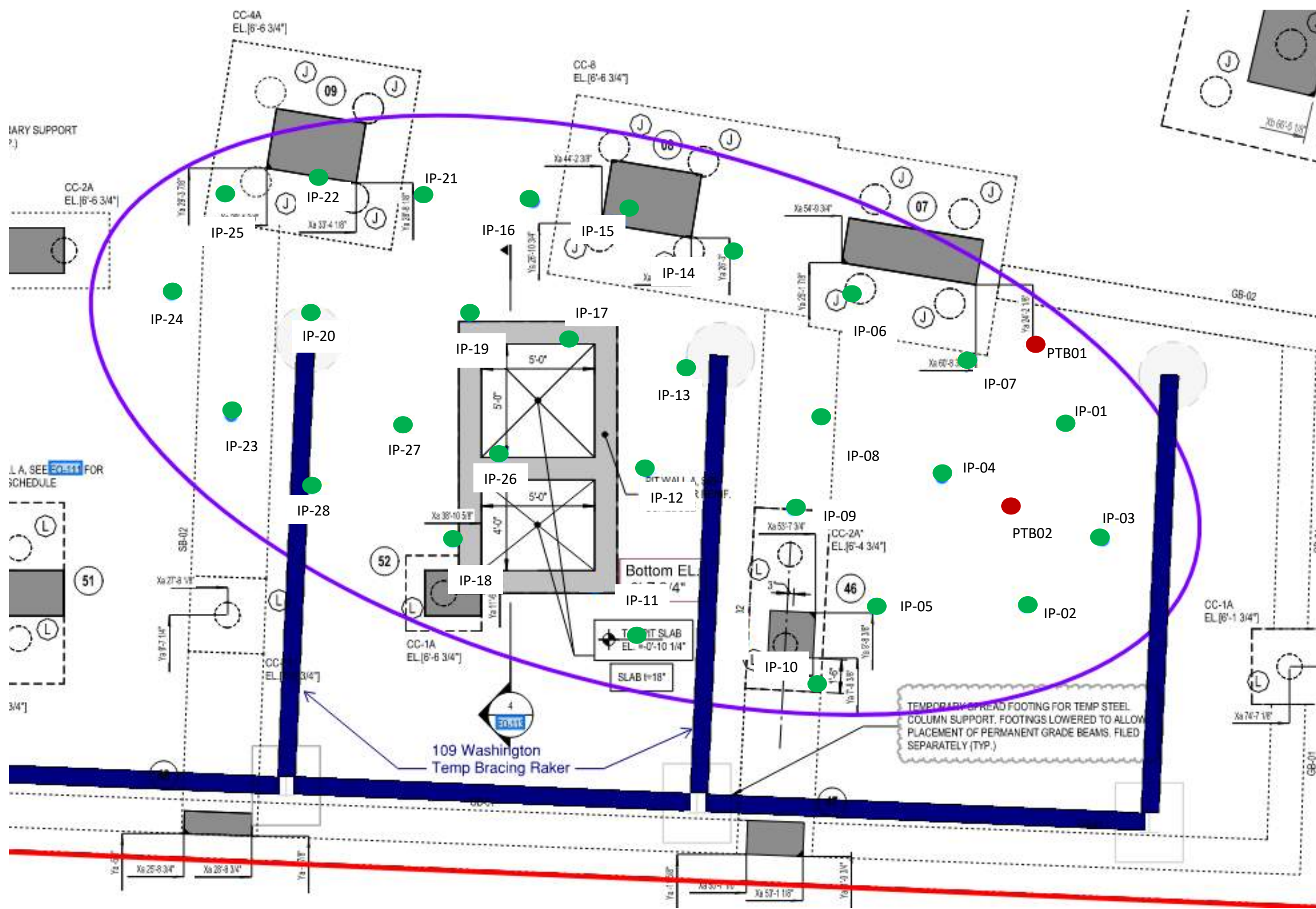


- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile – Soil (no impacts)**
- **Stockpile – C&D**
- **Stockpile – Imported Clean Fill**
- Approximate Location of Excavation**
- Approximate Area of Grading**
- Approximate Backfill Location**
- **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:** Urban excavating non-native soil with residual/ weathered petroleum impacts observed in grid WC04 (facing southwest).



**Photo 2:** Urban loading a truck with soil/fill for off-site disposal (facing south).



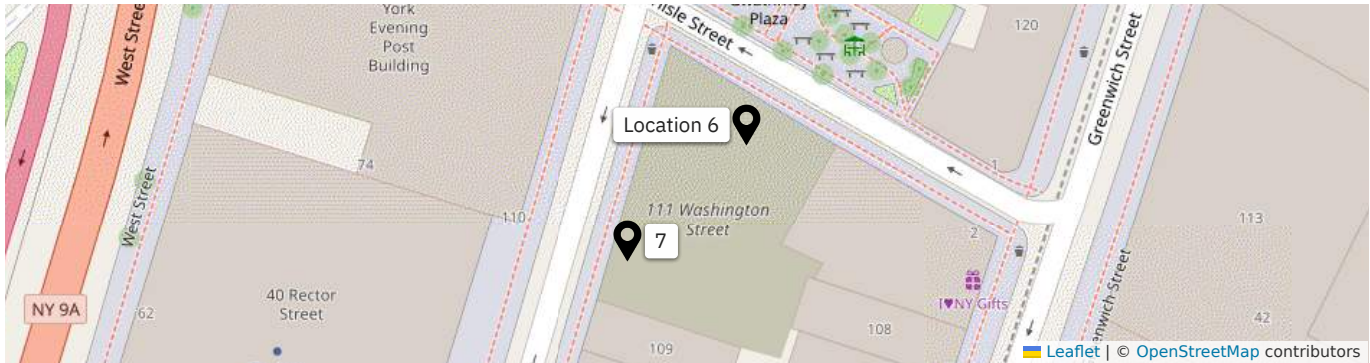
**Photo 3:** View of the site entrance/exit on Washington Street (facing northeast).



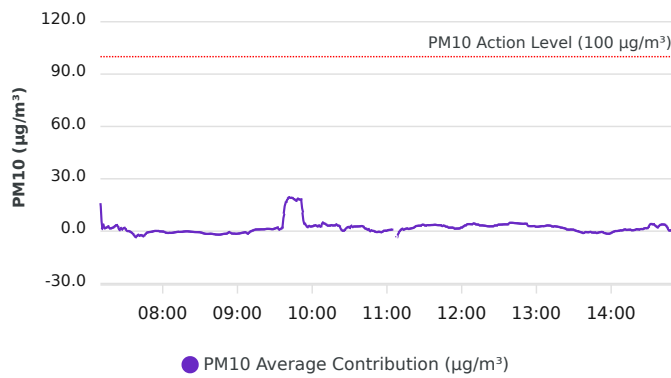
<b>LANGAN</b>	<b>Air Monitoring Report</b>	170695201 - 111 Washington St	
		Report Period	
		From:	3/13/2024 06:00
		To:	3/13/2024 19:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
3/13/2024	0.2-2.3	WNW

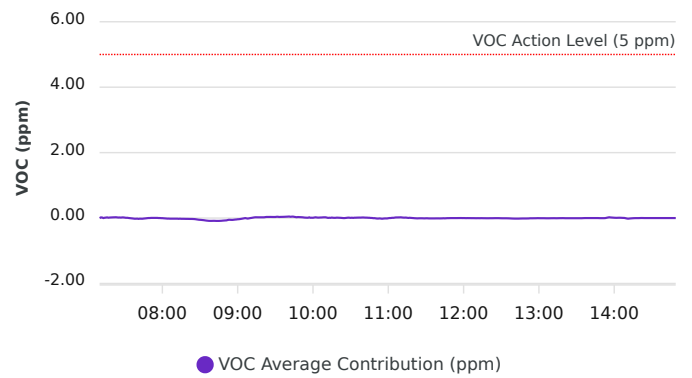
Daily Monitoring Summary	PM10 ( $\mu\text{g}/\text{m}^3$ )	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 3/13/2024	-3.5	07:38	-0.09	08:43
Max Contribution (15 min avg.) - 3/13/2024	19.5	09:41	0.05	09:41



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

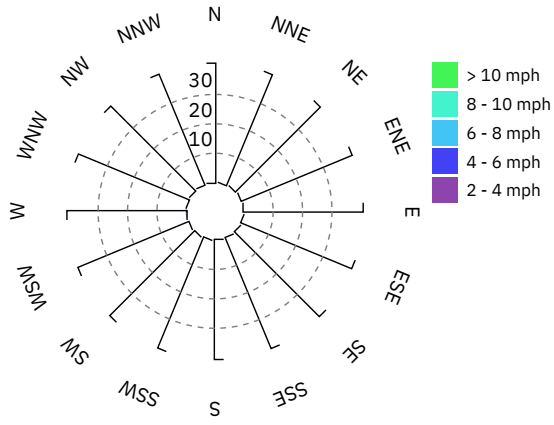


**VOC Average Contribution (ppm)**





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
3/13/2024 07:09:00							0.2	SW
3/13/2024 07:10:00	6.1	22.2	16.0	0.00	0.00	0.00	0.6	N
3/13/2024 07:11:00	13.0	14.0	1.0	0.00	0.02	0.02	0.7	WNW
3/13/2024 07:12:00	10.5	14.4	3.9	0.01	0.03	0.02	0.8	NNW
3/13/2024 07:13:00	10.6	12.1	1.5	0.03	0.03	0.00	0.7	WNW
3/13/2024 07:14:00	9.5	11.4	1.9	0.03	0.04	0.01	0.7	NNE
3/13/2024 07:15:00	8.9	11.2	2.2	0.03	0.04	0.01	0.7	NE
3/13/2024 07:16:00	8.5	11.4	2.9	0.02	0.04	0.02	0.7	NNE
3/13/2024 07:17:00	9.2	10.8	1.5	0.03	0.04	0.01	0.7	SSE
3/13/2024 07:18:00	9.2	10.8	1.6	0.03	0.04	0.02	0.6	SE
3/13/2024 07:19:00	9.0	10.8	1.8	0.02	0.04	0.02	0.7	NE
3/13/2024 07:20:00	8.7	10.8	2.1	0.02	0.04	0.02	0.7	ENE
3/13/2024 07:21:00	8.5	11.2	2.7	0.02	0.04	0.02	0.7	ENE
3/13/2024 07:22:00	8.3	11.6	3.3	0.02	0.04	0.02	0.7	ENE
3/13/2024 07:23:00	8.2	11.7	3.6	0.02	0.04	0.03	0.7	E
3/13/2024 07:24:00	9.1	11.4	2.3	0.02	0.04	0.02	0.7	S
3/13/2024 07:25:00	9.9	10.4	0.5	0.02	0.04	0.02	0.7	SW
3/13/2024 07:26:00	9.1	11.0	1.9	0.02	0.04	0.02	0.7	NNW
3/13/2024 07:27:00	9.6	10.4	0.8	0.02	0.04	0.01	0.6	NW
3/13/2024 07:28:00	9.3	10.9	1.6	0.02	0.04	0.02	0.6	N
3/13/2024 07:29:00	9.4	11.4	2.0	0.02	0.04	0.02	0.6	NNW
3/13/2024 07:30:00	10.0	11.1	1.1	0.02	0.03	0.01	0.7	WNW
3/13/2024 07:31:00	10.7	10.7	0.0	0.02	0.03	0.01	0.7	NW
3/13/2024 07:32:00	10.6	10.7	0.1	0.02	0.03	0.01	0.7	NW
3/13/2024 07:33:00	10.5	10.4	-0.1	0.02	0.03	0.00	0.7	NW
3/13/2024 07:34:00	10.6	10.1	-0.5	0.02	0.02	0.00	0.7	WNW
3/13/2024 07:35:00	10.8	9.8	-1.0	0.03	0.02	-0.01	0.8	W
3/13/2024 07:36:00	10.9	9.2	-1.7	0.03	0.02	-0.01	0.8	W
3/13/2024 07:37:00	11.3	8.6	-2.7	0.03	0.01	-0.02	0.8	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
3/13/2024 07:38:00	11.7	8.1	-3.5	0.03	0.01	-0.02	0.9	W
3/13/2024 07:39:00	10.9	8.2	-2.8	0.03	0.01	-0.02	0.9	W
3/13/2024 07:40:00	10.3	8.3	-2.0	0.03	0.01	-0.02	1.0	WNW
3/13/2024 07:41:00	10.5	7.8	-2.8	0.03	0.01	-0.03	1.0	W
3/13/2024 07:42:00	10.1	8.0	-2.2	0.03	0.01	-0.02	1.0	N
3/13/2024 07:43:00	10.1	7.6	-2.5	0.03	0.01	-0.02	1.0	NNW
3/13/2024 07:44:00	10.1	7.1	-3.0	0.03	0.01	-0.02	1.1	ENE
3/13/2024 07:45:00	9.6	7.2	-2.4	0.02	0.01	-0.02	1.0	ENE
3/13/2024 07:46:00	8.9	7.3	-1.6	0.02	0.01	-0.01	1.0	SE
3/13/2024 07:47:00	8.5	7.7	-0.8	0.02	0.01	-0.01	1.0	ESE
3/13/2024 07:48:00	8.5	7.8	-0.6	0.02	0.01	0.00	1.0	ENE
3/13/2024 07:49:00	8.4	7.9	-0.5	0.01	0.01	0.00	1.0	ENE
3/13/2024 07:50:00	8.4	8.0	-0.5	0.01	0.01	0.00	0.9	WNW
3/13/2024 07:51:00	8.4	8.1	-0.3	0.01	0.02	0.01	0.9	E
3/13/2024 07:52:00	8.2	8.1	-0.1	0.01	0.02	0.01	0.8	W
3/13/2024 07:53:00	8.0	8.1	0.1	0.01	0.02	0.01	0.8	W
3/13/2024 07:54:00	8.0	8.1	0.1	0.01	0.02	0.01	0.8	W
3/13/2024 07:55:00	8.0	8.0	0.1	0.01	0.02	0.01	0.8	W
3/13/2024 07:56:00	7.8	8.0	0.2	0.01	0.02	0.01	0.8	WNW
3/13/2024 07:57:00	7.9	7.8	-0.1	0.01	0.01	0.00	0.8	S
3/13/2024 07:58:00	8.0	7.8	-0.1	0.01	0.01	0.00	0.8	ESE
3/13/2024 07:59:00	8.0	7.8	-0.2	0.02	0.01	0.00	0.8	W
3/13/2024 08:00:00	8.1	7.9	-0.2	0.02	0.01	0.00	0.8	NNW
3/13/2024 08:01:00	8.2	7.7	-0.5	0.02	0.01	-0.01	0.8	W
3/13/2024 08:02:00	8.3	7.4	-0.9	0.02	0.01	-0.01	0.8	NW
3/13/2024 08:03:00	8.3	7.3	-1.0	0.02	0.01	-0.01	0.8	W
3/13/2024 08:04:00	8.4	7.3	-1.1	0.02	0.01	-0.02	0.8	WNW
3/13/2024 08:05:00	8.4	7.4	-0.9	0.02	0.01	-0.02	0.8	W
3/13/2024 08:06:00	8.4	7.4	-1.0	0.02	0.00	-0.02	0.9	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
3/13/2024 08:07:00	8.4	7.4	-1.0	0.02	0.00	-0.02	0.9	W
3/13/2024 08:08:00	8.3	7.4	-0.9	0.02	0.00	-0.02	0.9	W
3/13/2024 08:09:00	8.2	7.4	-0.7	0.02	0.00	-0.02	0.9	W
3/13/2024 08:10:00	8.1	7.5	-0.6	0.02	0.00	-0.02	0.9	W
3/13/2024 08:11:00	8.0	7.5	-0.5	0.02	0.00	-0.02	0.9	W
3/13/2024 08:12:00	7.9	7.6	-0.3	0.02	0.00	-0.02	0.9	W
3/13/2024 08:13:00	8.0	7.5	-0.5	0.03	0.00	-0.02	0.8	W
3/13/2024 08:14:00	7.9	7.5	-0.4	0.02	0.00	-0.02	0.8	N
3/13/2024 08:15:00	7.9	7.5	-0.5	0.03	0.00	-0.02	0.8	W
3/13/2024 08:16:00	7.8	7.5	-0.3	0.03	0.00	-0.02	0.9	W
3/13/2024 08:17:00	7.8	7.5	-0.2	0.03	0.00	-0.02	0.9	NW
3/13/2024 08:18:00	7.8	7.6	-0.1	0.03	0.00	-0.02	0.9	WSW
3/13/2024 08:19:00	7.8	7.7	-0.1	0.03	0.00	-0.03	0.9	W
3/13/2024 08:20:00	7.8	7.7	-0.1	0.03	0.00	-0.03	0.9	W
3/13/2024 08:21:00	7.8	7.7	-0.2	0.03	0.00	-0.03	0.9	W
3/13/2024 08:22:00	8.0	7.7	-0.3	0.03	0.00	-0.03	0.9	W
3/13/2024 08:23:00	8.1	7.7	-0.4	0.03	0.00	-0.03	0.9	W
3/13/2024 08:24:00	8.2	7.7	-0.4	0.03	0.00	-0.03	0.9	W
3/13/2024 08:25:00	8.3	7.8	-0.5	0.03	0.00	-0.03	0.9	WNW
3/13/2024 08:26:00	8.3	7.8	-0.5	0.04	0.00	-0.03	0.9	W
3/13/2024 08:27:00	8.3	7.8	-0.5	0.04	0.00	-0.04	0.9	W
3/13/2024 08:28:00	8.4	7.8	-0.6	0.05	0.00	-0.04	0.9	W
3/13/2024 08:29:00	8.5	7.9	-0.6	0.05	0.00	-0.05	0.9	W
3/13/2024 08:30:00	8.6	7.9	-0.7	0.05	0.00	-0.05	0.9	W
3/13/2024 08:31:00	8.8	7.9	-0.9	0.06	0.00	-0.06	0.9	W
3/13/2024 08:32:00	9.1	7.9	-1.2	0.06	0.00	-0.06	0.9	W
3/13/2024 08:33:00	9.3	7.9	-1.4	0.07	0.00	-0.07	0.8	W
3/13/2024 08:34:00	9.4	7.8	-1.6	0.07	0.00	-0.07	0.8	W
3/13/2024 08:35:00	9.4	7.8	-1.6	0.08	0.00	-0.08	0.8	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
3/13/2024 08:36:00	9.4	7.8	-1.6	0.08	0.00	-0.08	0.7	W
3/13/2024 08:37:00	9.4	7.8	-1.5	0.09	0.00	-0.09	0.7	W
3/13/2024 08:38:00	9.3	7.9	-1.5	0.09	0.00	-0.09	0.7	W
3/13/2024 08:39:00	9.4	7.9	-1.5	0.09	0.00	-0.09	0.7	W
3/13/2024 08:40:00	9.5	7.9	-1.6	0.09	0.00	-0.09	0.7	W
3/13/2024 08:41:00	9.7	8.0	-1.7	0.08	0.00	-0.08	0.7	W
3/13/2024 08:42:00	9.9	8.0	-1.9	0.09	0.00	-0.09	0.7	W
3/13/2024 08:43:00	10.1	8.1	-2.0	0.09	0.00	-0.09	0.7	W
3/13/2024 08:44:00	10.2	8.2	-2.0	0.09	0.00	-0.09	0.7	W
3/13/2024 08:45:00	10.3	8.2	-2.0	0.09	0.00	-0.09	0.7	W
3/13/2024 08:46:00	10.3	8.3	-2.0	0.09	0.00	-0.09	0.7	W
3/13/2024 08:47:00	10.3	8.5	-1.8	0.08	0.00	-0.08	0.7	WSW
3/13/2024 08:48:00	10.3	8.7	-1.6	0.08	0.00	-0.08	0.8	W
3/13/2024 08:49:00	10.4	8.8	-1.5	0.08	0.00	-0.08	0.8	WNW
3/13/2024 08:50:00	10.5	8.9	-1.5	0.07	0.00	-0.07	0.7	NW
3/13/2024 08:51:00	10.6	9.1	-1.5	0.07	0.00	-0.07	0.8	W
3/13/2024 08:52:00	10.6	9.5	-1.0	0.07	0.01	-0.06	0.8	N
3/13/2024 08:53:00	10.6	10.1	-0.4	0.06	0.01	-0.05	0.8	E
3/13/2024 08:54:00	11.3	10.3	-1.0	0.06	0.01	-0.05	0.8	W
3/13/2024 08:55:00	11.8	10.5	-1.3	0.07	0.01	-0.06	0.8	W
3/13/2024 08:56:00	12.0	10.6	-1.4	0.07	0.01	-0.06	0.8	W
3/13/2024 08:57:00	12.2	10.8	-1.4	0.06	0.01	-0.05	0.8	W
3/13/2024 08:58:00	12.3	10.9	-1.5	0.06	0.01	-0.05	0.8	W
3/13/2024 08:59:00	12.6	11.0	-1.6	0.05	0.01	-0.04	0.9	W
3/13/2024 09:00:00	12.5	11.2	-1.4	0.05	0.01	-0.04	0.9	NNW
3/13/2024 09:01:00	12.6	11.2	-1.4	0.05	0.01	-0.04	0.9	WSW
3/13/2024 09:02:00	12.5	11.3	-1.2	0.05	0.02	-0.03	0.9	E
3/13/2024 09:03:00	12.5	11.4	-1.0	0.04	0.02	-0.02	0.8	NE
3/13/2024 09:04:00	12.5	11.6	-0.9	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
3/13/2024 09:05:00	12.4	11.7	-0.7	0.03	0.03	-0.01	0.8	ENE
3/13/2024 09:06:00	12.4	11.9	-0.5	0.03	0.03	0.00	0.8	ENE
3/13/2024 09:07:00	12.6	11.6	-1.0	0.03	0.02	-0.01	0.8	WNW
3/13/2024 09:08:00	12.7	11.1	-1.6	0.03	0.02	-0.02	0.9	NW
3/13/2024 09:09:00	12.1	11.3	-0.8	0.03	0.02	-0.01	0.8	ENE
3/13/2024 09:10:00	11.6	11.4	-0.2	0.03	0.02	0.00	0.8	NE
3/13/2024 09:11:00	11.4	11.5	0.1	0.02	0.03	0.01	0.8	ENE
3/13/2024 09:12:00	11.2	11.5	0.4	0.02	0.03	0.01	0.8	NNW
3/13/2024 09:13:00	11.0	11.6	0.7	0.01	0.03	0.02	0.9	NNE
3/13/2024 09:14:00	10.8	11.7	0.9	0.01	0.03	0.02	0.9	E
3/13/2024 09:15:00	10.8	11.7	1.0	0.01	0.03	0.02	0.9	E
3/13/2024 09:16:00	10.8	11.7	1.0	0.01	0.03	0.02	0.9	NW
3/13/2024 09:17:00	10.7	11.7	1.0	0.01	0.03	0.02	0.8	N
3/13/2024 09:18:00	10.7	11.7	1.0	0.01	0.03	0.02	0.8	ENE
3/13/2024 09:19:00	10.6	11.7	1.1	0.01	0.03	0.02	0.9	NNW
3/13/2024 09:20:00	10.6	11.6	1.1	0.01	0.03	0.02	0.9	E
3/13/2024 09:21:00	10.5	11.6	1.1	0.01	0.03	0.02	0.9	E
3/13/2024 09:22:00	10.4	11.6	1.2	0.01	0.03	0.03	0.9	NE
3/13/2024 09:23:00	10.3	11.6	1.3	0.00	0.04	0.03	0.9	NE
3/13/2024 09:24:00	10.3	11.5	1.3	0.00	0.04	0.03	0.9	NE
3/13/2024 09:25:00	10.2	11.4	1.3	0.00	0.04	0.03	0.8	NNE
3/13/2024 09:26:00	10.1	11.3	1.2	0.00	0.04	0.04	0.8	N
3/13/2024 09:27:00	10.1	11.2	1.2	0.00	0.04	0.03	0.8	ESE
3/13/2024 09:28:00	10.1	11.1	1.1	0.00	0.04	0.03	0.7	ENE
3/13/2024 09:29:00	10.0	11.4	1.4	0.00	0.04	0.03	0.7	N
3/13/2024 09:30:00	10.0	11.6	1.6	0.00	0.04	0.03	0.7	NE
3/13/2024 09:31:00	9.8	11.7	1.9	0.00	0.04	0.04	0.7	NNE
3/13/2024 09:32:00	9.8	12.1	2.2	0.00	0.04	0.04	0.7	ESE
3/13/2024 09:33:00	11.1	11.9	0.8	0.00	0.04	0.03	0.7	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
3/13/2024 09:34:00	11.1	12.2	1.2	0.00	0.04	0.04	0.7	NNE
3/13/2024 09:35:00	11.0	12.5	1.5	0.00	0.04	0.04	0.7	N
3/13/2024 09:36:00	10.9	13.1	2.1	0.00	0.04	0.04	0.6	NNE
3/13/2024 09:37:00	10.9	20.8	10.0	0.00	0.04	0.04	0.7	ENE
3/13/2024 09:38:00	10.8	27.1	16.2	0.00	0.04	0.04	0.7	SE
3/13/2024 09:39:00	10.8	27.6	16.8	0.00	0.05	0.04	0.7	N
3/13/2024 09:40:00	10.8	29.4	18.6	0.00	0.05	0.04	0.8	ENE
3/13/2024 09:41:00	10.8	30.3	19.5	0.00	0.05	0.05	0.8	NNW
3/13/2024 09:42:00	11.2	30.3	19.0	0.01	0.05	0.04	0.8	WNW
3/13/2024 09:43:00	11.2	30.4	19.1	0.01	0.05	0.04	0.8	ENE
3/13/2024 09:44:00	11.2	30.1	19.0	0.01	0.05	0.04	0.9	NNW
3/13/2024 09:45:00	11.4	29.7	18.4	0.01	0.05	0.04	0.9	WNW
3/13/2024 09:46:00	11.6	29.5	18.0	0.02	0.05	0.03	0.9	WNW
3/13/2024 09:47:00	11.7	29.0	17.3	0.02	0.04	0.03	0.9	WNW
3/13/2024 09:48:00	10.4	29.2	18.7	0.01	0.05	0.03	0.9	SE
3/13/2024 09:49:00	10.5	28.7	18.3	0.01	0.04	0.03	0.9	NE
3/13/2024 09:50:00	10.4	28.4	17.9	0.01	0.04	0.03	0.9	ENE
3/13/2024 09:51:00	10.4	28.7	18.3	0.01	0.04	0.03	0.9	NNW
3/13/2024 09:52:00	10.4	21.2	10.8	0.01	0.04	0.02	0.9	ENE
3/13/2024 09:53:00	10.8	14.9	4.0	0.02	0.03	0.02	0.9	W
3/13/2024 09:54:00	10.8	15.2	4.3	0.02	0.03	0.01	0.8	E
3/13/2024 09:55:00	10.8	13.8	2.9	0.02	0.03	0.01	0.8	N
3/13/2024 09:56:00	10.8	13.0	2.2	0.02	0.03	0.01	0.7	E
3/13/2024 09:57:00	10.3	13.3	3.1	0.01	0.03	0.02	0.7	ENE
3/13/2024 09:58:00	10.4	13.1	2.6	0.02	0.03	0.01	0.7	WNW
3/13/2024 09:59:00	10.4	13.1	2.7	0.02	0.03	0.01	0.7	SE
3/13/2024 10:00:00	10.3	13.1	2.8	0.02	0.03	0.01	0.7	SSE
3/13/2024 10:01:00	10.1	13.2	3.1	0.02	0.04	0.02	0.7	ESE
3/13/2024 10:02:00	9.8	13.3	3.5	0.01	0.04	0.02	0.7	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
3/13/2024 10:03:00	9.9	13.0	3.1	0.02	0.04	0.02	0.7	NW
3/13/2024 10:04:00	10.3	12.8	2.6	0.02	0.04	0.01	0.7	NW
3/13/2024 10:05:00	10.2	13.6	3.4	0.02	0.04	0.01	0.7	N
3/13/2024 10:06:00	10.2	12.8	2.5	0.02	0.04	0.02	0.8	ESE
3/13/2024 10:07:00	10.1	12.9	2.8	0.02	0.04	0.02	0.8	ESE
3/13/2024 10:08:00	9.6	14.7	5.1	0.02	0.04	0.02	0.8	ESE
3/13/2024 10:09:00	9.5	14.0	4.4	0.02	0.04	0.02	0.8	N
3/13/2024 10:10:00	9.4	13.6	4.2	0.02	0.04	0.02	0.9	NE
3/13/2024 10:11:00	9.6	13.3	3.8	0.02	0.04	0.01	0.9	WNW
3/13/2024 10:12:00	9.7	12.8	3.1	0.03	0.03	0.01	0.9	WNW
3/13/2024 10:13:00	9.6	12.8	3.2	0.02	0.03	0.01	1.0	WNW
3/13/2024 10:14:00	9.6	12.7	3.1	0.02	0.03	0.01	1.0	NNW
3/13/2024 10:15:00	9.4	12.9	3.5	0.02	0.03	0.01	1.0	N
3/13/2024 10:16:00	9.5	12.7	3.2	0.02	0.03	0.01	1.0	NW
3/13/2024 10:17:00	9.4	12.7	3.3	0.02	0.03	0.01	1.0	N
3/13/2024 10:18:00	9.5	12.7	3.3	0.02	0.03	0.01	1.0	WNW
3/13/2024 10:19:00	9.0	13.0	3.9	0.01	0.03	0.01	0.9	NNW
3/13/2024 10:20:00	9.1	12.3	3.2	0.01	0.03	0.01	1.0	E
3/13/2024 10:21:00	9.1	12.2	3.1	0.01	0.02	0.01	0.9	ESE
3/13/2024 10:22:00	9.2	11.9	2.7	0.01	0.02	0.01	1.0	ENE
3/13/2024 10:23:00	9.4	10.1	0.7	0.01	0.02	0.00	1.0	W
3/13/2024 10:24:00	9.6	9.9	0.3	0.02	0.02	0.00	1.0	WNW
3/13/2024 10:25:00	9.7	9.9	0.2	0.02	0.01	0.00	0.9	NE
3/13/2024 10:26:00	9.6	10.3	0.7	0.01	0.02	0.00	0.9	E
3/13/2024 10:27:00	9.4	11.2	1.7	0.01	0.02	0.01	0.9	N
3/13/2024 10:28:00	9.3	11.5	2.2	0.01	0.02	0.01	0.9	NNW
3/13/2024 10:29:00	9.4	11.9	2.5	0.01	0.02	0.01	0.9	NNW
3/13/2024 10:30:00	10.0	11.8	1.7	0.01	0.01	0.01	0.9	WNW
3/13/2024 10:31:00	9.9	13.1	3.2	0.01	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
3/13/2024 10:32:00	10.8	13.0	2.3	0.01	0.01	0.01	0.9	NW
3/13/2024 10:33:00	10.6	13.3	2.7	0.01	0.02	0.01	0.9	NNW
3/13/2024 10:34:00	10.7	13.4	2.6	0.01	0.02	0.01	0.9	NNW
3/13/2024 10:35:00	10.8	13.5	2.7	0.01	0.02	0.01	0.9	N
3/13/2024 10:36:00	10.8	13.5	2.7	0.01	0.02	0.01	0.9	N
3/13/2024 10:37:00	10.8	13.5	2.7	0.01	0.02	0.01	0.9	NNW
3/13/2024 10:38:00	10.8	13.5	2.8	0.01	0.02	0.01	0.8	W
3/13/2024 10:39:00	10.6	13.6	3.0	0.01	0.03	0.02	0.8	E
3/13/2024 10:40:00	10.7	13.6	2.9	0.01	0.03	0.02	0.9	NE
3/13/2024 10:41:00	10.8	13.3	2.5	0.01	0.02	0.01	0.9	SW
3/13/2024 10:42:00	11.0	12.6	1.5	0.01	0.02	0.01	0.9	SSE
3/13/2024 10:43:00	11.1	12.5	1.4	0.01	0.02	0.01	0.9	ENE
3/13/2024 10:44:00	11.2	12.0	0.8	0.01	0.02	0.01	0.9	W
3/13/2024 10:45:00	10.8	12.1	1.3	0.01	0.02	0.01	0.8	W
3/13/2024 10:46:00	10.9	10.8	-0.1	0.02	0.02	0.00	0.8	NW
3/13/2024 10:47:00	10.3	10.9	0.5	0.02	0.02	0.00	0.8	W
3/13/2024 10:48:00	10.5	10.6	0.2	0.02	0.02	0.00	0.8	W
3/13/2024 10:49:00	10.5	10.6	0.1	0.02	0.02	0.00	0.8	NNE
3/13/2024 10:50:00	10.6	10.4	-0.2	0.02	0.01	-0.01	0.8	W
3/13/2024 10:51:00	10.8	10.3	-0.5	0.03	0.01	-0.01	0.8	W
3/13/2024 10:52:00	10.9	10.3	-0.6	0.03	0.01	-0.01	0.8	N
3/13/2024 10:53:00	10.8	10.5	-0.3	0.03	0.01	-0.01	0.8	ESE
3/13/2024 10:54:00	10.9	10.5	-0.5	0.03	0.01	-0.01	0.8	WNW
3/13/2024 10:55:00	11.1	10.4	-0.7	0.03	0.01	-0.02	0.8	NW
3/13/2024 10:56:00	11.0	10.6	-0.4	0.03	0.01	-0.02	0.8	ENE
3/13/2024 10:57:00	10.7	10.9	0.2	0.03	0.02	-0.01	0.9	NNE
3/13/2024 10:58:00	10.6	11.0	0.3	0.03	0.02	-0.01	0.9	NE
3/13/2024 10:59:00	10.7	10.9	0.1	0.03	0.02	-0.01	0.9	NW
3/13/2024 11:00:00	10.6	11.0	0.4	0.03	0.02	-0.01	0.9	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
3/13/2024 11:01:00	10.4	11.1	0.7	0.02	0.03	0.00	0.9	NNE
3/13/2024 11:02:00	10.3	11.0	0.7	0.02	0.03	0.00	1.0	WNW
3/13/2024 11:03:00	10.1	11.0	0.9	0.02	0.03	0.01	1.0	NNW
3/13/2024 11:04:00	10.1	10.9	0.8	0.02	0.03	0.01	1.0	E
3/13/2024 11:05:00				0.01	0.03	0.01	1.0	E
3/13/2024 11:06:00				0.01	0.03	0.02	1.0	NNE
3/13/2024 11:07:00	8.4	5.2	-3.2	0.01	0.03	0.02	1.0	E
3/13/2024 11:08:00	8.5	5.0	-3.5	0.01	0.03	0.02	1.0	ESE
3/13/2024 11:09:00	7.3	6.4	-0.9	0.01	0.03	0.02	1.0	NW
3/13/2024 11:10:00	6.9	7.0	0.1	0.01	0.03	0.02	0.9	W
3/13/2024 11:11:00	6.5	7.4	0.9	0.01	0.03	0.02	0.9	WNW
3/13/2024 11:12:00	6.2	7.7	1.5	0.01	0.03	0.01	0.9	W
3/13/2024 11:13:00	6.6	7.3	0.7	0.01	0.03	0.01	0.9	NE
3/13/2024 11:14:00	6.4	7.5	1.2	0.01	0.03	0.01	0.9	WNW
3/13/2024 11:15:00	6.2	7.7	1.4	0.01	0.02	0.01	0.8	W
3/13/2024 11:16:00	6.2	7.8	1.6	0.01	0.02	0.00	0.8	W
3/13/2024 11:17:00	6.5	7.6	1.2	0.01	0.02	0.01	0.8	ENE
3/13/2024 11:18:00	6.3	7.7	1.4	0.01	0.02	0.01	0.8	S
3/13/2024 11:19:00	6.2	7.8	1.6	0.01	0.01	0.00	0.7	W
3/13/2024 11:20:00	6.2	8.0	1.7	0.01	0.01	0.00	0.7	W
3/13/2024 11:21:00	6.2	8.1	1.9	0.01	0.01	-0.01	0.6	NW
3/13/2024 11:22:00	6.1	8.5	2.4	0.01	0.01	-0.01	0.6	W
3/13/2024 11:23:00	6.0	8.9	2.9	0.01	0.00	-0.01	0.6	W
3/13/2024 11:24:00	6.2	9.2	3.0	0.01	0.01	-0.01	0.7	W
3/13/2024 11:25:00	6.3	9.4	3.1	0.01	0.01	-0.01	0.6	WSW
3/13/2024 11:26:00	6.4	9.5	3.1	0.01	0.01	-0.01	0.6	SSE
3/13/2024 11:27:00	6.5	9.6	3.1	0.01	0.01	-0.01	0.6	W
3/13/2024 11:28:00	6.3	10.0	3.7	0.01	0.00	-0.01	0.6	WNW
3/13/2024 11:29:00	6.3	10.0	3.7	0.01	0.00	-0.01	0.6	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
3/13/2024 11:30:00	6.6	9.9	3.3	0.01	0.01	-0.01	0.6	E
3/13/2024 11:31:00	6.9	10.0	3.1	0.01	0.01	-0.01	0.6	W
3/13/2024 11:32:00	6.7	10.2	3.5	0.01	0.00	-0.01	0.5	W
3/13/2024 11:33:00	6.8	10.3	3.4	0.01	0.00	-0.01	0.6	W
3/13/2024 11:34:00	6.9	10.3	3.4	0.01	0.00	-0.01	0.6	WNW
3/13/2024 11:35:00	6.9	10.4	3.5	0.01	0.01	-0.01	0.6	W
3/13/2024 11:36:00	6.9	10.4	3.5	0.02	0.01	-0.01	0.6	WSW
3/13/2024 11:37:00	6.8	10.4	3.5	0.02	0.01	-0.01	0.6	W
3/13/2024 11:38:00	6.7	10.4	3.7	0.02	0.01	-0.01	0.6	W
3/13/2024 11:39:00	6.6	10.2	3.6	0.02	0.01	-0.01	0.6	W
3/13/2024 11:40:00	6.5	9.9	3.5	0.02	0.01	-0.01	0.7	WNW
3/13/2024 11:41:00	6.4	9.8	3.4	0.02	0.01	-0.01	0.7	W
3/13/2024 11:42:00	6.3	9.7	3.4	0.02	0.01	-0.01	0.7	W
3/13/2024 11:43:00	6.2	9.6	3.4	0.02	0.01	-0.01	0.8	W
3/13/2024 11:44:00	6.4	9.3	2.9	0.01	0.01	-0.01	0.7	N
3/13/2024 11:45:00	6.1	9.4	3.3	0.01	0.01	-0.01	0.7	SSW
3/13/2024 11:46:00	6.0	9.0	3.0	0.01	0.01	-0.01	0.7	E
3/13/2024 11:47:00	6.2	8.7	2.5	0.01	0.01	0.00	0.7	N
3/13/2024 11:48:00	6.1	8.6	2.6	0.01	0.01	0.00	0.7	WNW
3/13/2024 11:49:00	6.2	8.2	2.0	0.01	0.01	0.00	0.7	ENE
3/13/2024 11:50:00	6.1	8.1	2.0	0.01	0.01	0.00	0.7	WNW
3/13/2024 11:51:00	6.0	8.0	2.0	0.01	0.01	0.00	0.7	SW
3/13/2024 11:52:00	5.8	7.9	2.1	0.01	0.01	0.00	0.7	W
3/13/2024 11:53:00	5.8	7.7	1.9	0.01	0.01	0.00	0.6	WNW
3/13/2024 11:54:00	6.0	7.4	1.4	0.01	0.01	0.00	0.6	NE
3/13/2024 11:55:00	6.0	7.5	1.5	0.01	0.01	0.00	0.6	W
3/13/2024 11:56:00	6.0	7.5	1.5	0.01	0.01	0.00	0.6	NW
3/13/2024 11:57:00	6.0	7.5	1.5	0.01	0.01	0.00	0.6	W
3/13/2024 11:58:00	5.9	7.4	1.5	0.00	0.01	0.00	0.5	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
3/13/2024 11:59:00	5.6	7.7	2.1	0.01	0.00	0.00	0.5	SW
3/13/2024 12:00:00	5.5	7.6	2.1	0.00	0.00	0.00	0.5	SSW
3/13/2024 12:01:00	5.2	7.8	2.6	0.00	0.00	0.00	0.5	W
3/13/2024 12:02:00	4.9	8.1	3.2	0.00	0.00	0.00	0.5	WSW
3/13/2024 12:03:00	4.9	8.2	3.3	0.00	0.00	0.00	0.5	WNW
3/13/2024 12:04:00	4.6	8.5	3.9	0.00	0.00	0.00	0.6	W
3/13/2024 12:05:00	4.6	8.7	4.1	0.00	0.00	0.00	0.6	W
3/13/2024 12:06:00	4.7	8.8	4.1	0.00	0.00	0.00	0.6	W
3/13/2024 12:07:00	4.8	8.8	4.0	0.00	0.00	0.00	0.6	W
3/13/2024 12:08:00	4.9	8.8	3.9	0.00	0.00	0.00	0.6	WNW
3/13/2024 12:09:00	4.7	9.1	4.4	0.01	0.00	0.00	0.6	WSW
3/13/2024 12:10:00	4.8	9.1	4.3	0.01	0.00	-0.01	0.6	WNW
3/13/2024 12:11:00	5.1	8.9	3.9	0.01	0.00	0.00	0.7	NNW
3/13/2024 12:12:00	5.3	9.1	3.8	0.01	0.00	0.00	0.7	WSW
3/13/2024 12:13:00	5.6	9.4	3.8	0.01	0.00	-0.01	0.7	W
3/13/2024 12:14:00	6.3	9.5	3.3	0.01	0.00	0.00	0.7	NNE
3/13/2024 12:15:00	6.5	9.8	3.3	0.01	0.00	0.00	0.7	W
3/13/2024 12:16:00	6.7	10.0	3.3	0.01	0.00	-0.01	0.7	W
3/13/2024 12:17:00	6.9	10.1	3.2	0.01	0.00	-0.01	0.7	W
3/13/2024 12:18:00	7.0	10.2	3.1	0.01	0.00	-0.01	0.7	W
3/13/2024 12:19:00	7.1	10.2	3.0	0.01	0.00	-0.01	0.8	W
3/13/2024 12:20:00	7.2	10.0	2.9	0.01	0.00	-0.01	0.8	W
3/13/2024 12:21:00	7.2	10.0	2.8	0.01	0.00	-0.01	0.9	W
3/13/2024 12:22:00	7.2	9.9	2.7	0.01	0.00	-0.01	0.9	W
3/13/2024 12:23:00	7.1	9.9	2.8	0.01	0.00	-0.01	1.0	W
3/13/2024 12:24:00	7.1	9.9	2.8	0.01	0.00	0.00	1.0	WSW
3/13/2024 12:25:00	7.0	9.8	2.8	0.00	0.00	0.00	1.0	W
3/13/2024 12:26:00	6.7	9.9	3.2	0.00	0.00	0.00	1.1	W
3/13/2024 12:27:00	6.5	9.8	3.3	0.00	0.00	0.00	1.1	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
3/13/2024 12:28:00	6.2	9.4	3.2	0.00	0.00	0.00	1.2	W
3/13/2024 12:29:00	5.6	9.3	3.7	0.01	0.00	-0.01	1.3	W
3/13/2024 12:30:00	5.3	9.1	3.7	0.01	0.00	-0.01	1.4	W
3/13/2024 12:31:00	5.2	8.9	3.7	0.01	0.00	-0.01	1.4	W
3/13/2024 12:32:00	5.0	8.8	3.8	0.01	0.00	-0.01	1.4	WNW
3/13/2024 12:33:00	4.8	8.7	3.9	0.01	0.00	-0.01	1.5	W
3/13/2024 12:34:00	4.7	8.6	3.9	0.01	0.00	-0.01	1.4	W
3/13/2024 12:35:00	4.7	8.6	3.9	0.01	0.00	-0.01	1.5	W
3/13/2024 12:36:00	4.7	8.6	3.9	0.01	0.00	-0.01	1.4	SW
3/13/2024 12:37:00	4.7	8.6	3.9	0.01	0.00	-0.01	1.4	W
3/13/2024 12:38:00	4.8	9.6	4.8	0.01	0.00	-0.01	1.4	W
3/13/2024 12:39:00	4.8	9.6	4.8	0.02	0.00	-0.01	1.3	W
3/13/2024 12:40:00	4.9	9.7	4.8	0.02	0.00	-0.02	1.3	WSW
3/13/2024 12:41:00	5.0	9.7	4.7	0.02	0.00	-0.02	1.3	W
3/13/2024 12:42:00	5.1	9.7	4.6	0.02	0.00	-0.02	1.2	W
3/13/2024 12:43:00	5.1	9.7	4.6	0.02	0.00	-0.02	1.2	W
3/13/2024 12:44:00	5.3	9.8	4.5	0.02	0.00	-0.02	1.1	WSW
3/13/2024 12:45:00	5.3	9.8	4.5	0.02	0.00	-0.01	1.1	WNW
3/13/2024 12:46:00	5.4	9.8	4.4	0.01	0.00	-0.01	1.1	WSW
3/13/2024 12:47:00	5.5	9.8	4.3	0.01	0.00	-0.01	1.1	W
3/13/2024 12:48:00	5.6	9.8	4.2	0.01	0.00	-0.01	1.1	W
3/13/2024 12:49:00	5.6	9.8	4.2	0.01	0.00	-0.01	1.1	W
3/13/2024 12:50:00	5.6	9.9	4.3	0.02	0.00	-0.01	1.1	WSW
3/13/2024 12:51:00	5.6	9.9	4.3	0.02	0.00	-0.01	1.1	WNW
3/13/2024 12:52:00	5.6	9.9	4.2	0.01	0.00	-0.01	1.1	WSW
3/13/2024 12:53:00	5.8	8.7	2.9	0.01	0.01	-0.01	1.0	NNE
3/13/2024 12:54:00	5.8	8.7	2.9	0.01	0.01	-0.01	1.0	WSW
3/13/2024 12:55:00	5.9	8.7	2.9	0.01	0.01	-0.01	1.0	WSW
3/13/2024 12:56:00	5.9	8.7	2.9	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
3/13/2024 12:57:00	5.8	8.7	2.9	0.01	0.01	-0.01	1.0	W
3/13/2024 12:58:00	5.8	8.8	2.9	0.01	0.01	-0.01	1.0	NW
3/13/2024 12:59:00	6.0	8.6	2.5	0.01	0.01	0.00	1.0	NE
3/13/2024 13:00:00	6.1	8.6	2.5	0.01	0.01	0.00	0.9	SW
3/13/2024 13:01:00	6.1	8.6	2.5	0.02	0.01	-0.01	0.9	SW
3/13/2024 13:02:00	6.2	8.9	2.6	0.02	0.01	-0.01	0.9	W
3/13/2024 13:03:00	6.4	9.1	2.7	0.02	0.01	-0.01	0.8	WSW
3/13/2024 13:04:00	6.5	9.5	3.0	0.02	0.01	-0.01	0.8	W
3/13/2024 13:05:00	6.8	9.6	2.8	0.01	0.01	-0.01	0.7	W
3/13/2024 13:06:00	7.0	9.9	2.9	0.01	0.01	-0.01	0.7	WNW
3/13/2024 13:07:00	7.1	10.1	3.0	0.01	0.01	-0.01	0.7	W
3/13/2024 13:08:00	7.1	10.5	3.3	0.01	0.01	-0.01	0.8	W
3/13/2024 13:09:00	7.2	10.5	3.3	0.01	0.01	-0.01	0.7	W
3/13/2024 13:10:00	7.3	10.5	3.2	0.01	0.01	-0.01	0.8	W
3/13/2024 13:11:00	7.4	10.5	3.1	0.01	0.01	-0.01	0.7	WNW
3/13/2024 13:12:00	7.8	10.6	2.8	0.01	0.01	0.00	0.7	E
3/13/2024 13:13:00	8.1	10.7	2.5	0.01	0.01	-0.01	0.8	W
3/13/2024 13:14:00	8.1	10.9	2.8	0.01	0.00	-0.01	0.8	W
3/13/2024 13:15:00	8.2	10.9	2.8	0.01	0.00	-0.01	0.8	W
3/13/2024 13:16:00	8.3	10.9	2.6	0.00	0.00	0.00	0.8	WNW
3/13/2024 13:17:00	8.5	10.9	2.5	0.00	0.00	0.00	0.8	NW
3/13/2024 13:18:00	8.6	11.0	2.4	0.00	0.00	0.00	0.8	SW
3/13/2024 13:19:00	8.7	10.8	2.1	0.00	0.00	0.00	0.8	W
3/13/2024 13:20:00	8.8	10.8	2.0	0.00	0.00	0.00	0.8	SW
3/13/2024 13:21:00	8.8	10.7	1.8	0.01	0.00	-0.01	0.8	WNW
3/13/2024 13:22:00	8.9	10.6	1.7	0.01	0.00	-0.01	0.8	W
3/13/2024 13:23:00	9.0	10.5	1.4	0.01	0.00	-0.01	0.8	N
3/13/2024 13:24:00	9.6	10.6	0.9	0.01	0.00	-0.01	0.8	WNW
3/13/2024 13:25:00	9.8	10.7	0.9	0.01	0.00	-0.01	0.8	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
3/13/2024 13:26:00	9.9	10.7	0.8	0.01	0.00	-0.01	0.9	WSW
3/13/2024 13:27:00	9.7	10.7	1.0	0.01	0.00	-0.01	0.9	WNW
3/13/2024 13:28:00	9.6	10.5	0.9	0.01	0.00	-0.01	0.8	NE
3/13/2024 13:29:00	9.5	10.4	0.9	0.01	0.00	-0.01	0.8	WSW
3/13/2024 13:30:00	9.6	10.2	0.7	0.01	0.00	-0.01	0.8	E
3/13/2024 13:31:00	9.6	9.9	0.4	0.01	0.00	-0.01	0.8	ESE
3/13/2024 13:32:00	9.4	9.4	0.0	0.01	0.00	-0.01	0.8	E
3/13/2024 13:33:00	9.0	9.1	0.0	0.01	0.00	-0.01	0.8	NW
3/13/2024 13:34:00	8.9	8.6	-0.3	0.01	0.00	-0.01	0.8	ENE
3/13/2024 13:35:00	8.7	8.2	-0.6	0.00	0.00	0.00	0.8	NNE
3/13/2024 13:36:00	8.6	7.9	-0.7	0.00	0.00	0.00	0.9	E
3/13/2024 13:37:00	8.7	7.6	-1.1	0.00	0.00	0.00	0.9	WNW
3/13/2024 13:38:00	8.3	7.4	-0.9	0.00	0.00	0.00	0.9	W
3/13/2024 13:39:00	7.5	7.1	-0.5	0.00	0.00	0.00	0.9	W
3/13/2024 13:40:00	7.4	6.8	-0.6	0.00	0.00	0.00	0.9	W
3/13/2024 13:41:00	7.3	6.6	-0.7	0.00	0.00	0.00	0.8	WNW
3/13/2024 13:42:00	7.1	6.5	-0.6	0.00	0.00	0.00	0.8	WSW
3/13/2024 13:43:00	6.8	6.5	-0.4	0.00	0.00	0.00	0.8	W
3/13/2024 13:44:00	6.9	6.2	-0.7	0.00	0.00	0.00	0.8	SE
3/13/2024 13:45:00	6.9	6.0	-0.8	0.00	0.00	0.00	0.8	NE
3/13/2024 13:46:00	6.8	6.0	-0.8	0.00	0.00	0.00	0.8	E
3/13/2024 13:47:00	6.8	6.1	-0.7	0.00	0.00	0.00	0.8	WNW
3/13/2024 13:48:00	7.3	6.1	-1.1	0.00	0.00	0.00	0.8	WSW
3/13/2024 13:49:00	7.3	6.4	-0.9	0.00	0.00	0.00	0.8	W
3/13/2024 13:50:00	7.2	6.5	-0.7	0.01	0.00	0.00	0.9	W
3/13/2024 13:51:00	7.1	6.5	-0.6	0.01	0.00	0.00	0.8	SW
3/13/2024 13:52:00	6.9	6.5	-0.4	0.01	0.01	0.00	0.8	E
3/13/2024 13:53:00	7.1	6.4	-0.6	0.01	0.01	0.00	0.7	ESE
3/13/2024 13:54:00	7.4	6.4	-1.0	0.01	0.02	0.01	0.7	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
3/13/2024 13:55:00	7.6	6.4	-1.2	0.01	0.03	0.02	0.7	ENE
3/13/2024 13:56:00	7.9	6.4	-1.5	0.01	0.03	0.02	0.7	ESE
3/13/2024 13:57:00	8.1	6.5	-1.5	0.01	0.03	0.02	0.7	SSW
3/13/2024 13:58:00	8.1	6.6	-1.6	0.02	0.03	0.02	0.7	W
3/13/2024 13:59:00	8.0	6.8	-1.2	0.02	0.03	0.01	0.7	W
3/13/2024 14:00:00	7.9	7.0	-0.9	0.02	0.03	0.01	0.7	W
3/13/2024 14:01:00	7.7	7.2	-0.5	0.03	0.03	0.01	0.7	SSW
3/13/2024 14:02:00	7.5	7.3	-0.2	0.03	0.03	0.01	0.7	WSW
3/13/2024 14:03:00	7.2	7.3	0.1	0.03	0.03	0.01	0.7	NW
3/13/2024 14:04:00	7.2	7.3	0.0	0.02	0.03	0.01	0.7	NNE
3/13/2024 14:05:00	7.2	7.3	0.1	0.02	0.03	0.01	0.7	NW
3/13/2024 14:06:00	7.1	7.3	0.2	0.02	0.03	0.01	0.6	W
3/13/2024 14:07:00	6.9	7.4	0.5	0.02	0.03	0.01	0.6	NW
3/13/2024 14:08:00	6.9	7.3	0.4	0.02	0.03	0.00	0.7	NNW
3/13/2024 14:09:00	6.7	7.2	0.5	0.02	0.02	0.00	0.7	NE
3/13/2024 14:10:00	6.3	7.2	0.9	0.02	0.01	-0.01	0.8	W
3/13/2024 14:11:00	6.1	7.1	1.0	0.02	0.00	-0.02	0.8	ESE
3/13/2024 14:12:00	6.0	6.7	0.7	0.02	0.00	-0.01	0.8	NNW
3/13/2024 14:13:00	5.9	6.7	0.8	0.01	0.00	-0.01	0.7	NW
3/13/2024 14:14:00	5.9	6.7	0.8	0.01	0.00	-0.01	0.7	WNW
3/13/2024 14:15:00	5.8	6.7	0.9	0.01	0.00	-0.01	0.7	NW
3/13/2024 14:16:00	6.0	6.5	0.5	0.01	0.00	0.00	0.7	NE
3/13/2024 14:17:00	5.9	6.4	0.5	0.01	0.00	0.00	0.7	W
3/13/2024 14:18:00	5.7	6.3	0.6	0.01	0.00	0.00	0.8	WSW
3/13/2024 14:19:00	5.5	6.3	0.8	0.00	0.00	0.00	0.8	WSW
3/13/2024 14:20:00	5.7	6.8	1.1	0.00	0.00	0.00	0.9	E
3/13/2024 14:21:00	5.7	6.8	1.1	0.00	0.00	0.00	0.9	NW
3/13/2024 14:22:00	5.9	6.7	0.8	0.00	0.00	0.00	0.9	ENE
3/13/2024 14:23:00	5.8	6.9	1.1	0.00	0.00	0.00	0.8	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
3/13/2024 14:24:00	5.9	7.2	1.3	0.00	0.00	0.00	0.8	W
3/13/2024 14:25:00	6.2	7.3	1.1	0.00	0.00	0.00	0.8	W
3/13/2024 14:26:00	6.1	7.6	1.5	0.00	0.00	0.00	0.8	WNW
3/13/2024 14:27:00	6.2	8.0	1.8	0.00	0.00	0.00	0.8	W
3/13/2024 14:28:00	6.5	8.2	1.6	0.00	0.00	0.00	0.8	W
3/13/2024 14:29:00	6.7	8.5	1.8	0.00	0.00	0.00	0.9	WSW
3/13/2024 14:30:00	6.9	9.5	2.6	0.00	0.00	0.00	0.9	WNW
3/13/2024 14:31:00	6.9	11.0	4.1	0.00	0.00	0.00	0.9	WSW
3/13/2024 14:32:00	7.5	11.6	4.1	0.00	0.00	0.00	0.9	WSW
3/13/2024 14:33:00	8.2	11.9	3.8	0.00	0.00	0.00	0.8	NW
3/13/2024 14:34:00	8.5	12.6	4.1	0.00	0.00	0.00	0.8	NNE
3/13/2024 14:35:00	8.9	12.0	3.1	0.00	0.00	0.00	0.8	W
3/13/2024 14:36:00	9.4	12.1	2.7	0.00	0.00	0.00	0.8	W
3/13/2024 14:37:00	10.3	12.3	2.0	0.00	0.00	0.00	0.8	W
3/13/2024 14:38:00	10.4	13.3	2.9	0.00	0.00	0.00	0.8	W
3/13/2024 14:39:00	10.8	14.4	3.5	0.00	0.00	0.00	0.9	SW
3/13/2024 14:40:00	11.4	15.2	3.8	0.00	0.00	0.00	0.8	WSW
3/13/2024 14:41:00	12.1	15.9	3.9	0.00	0.00	0.00	0.9	W
3/13/2024 14:42:00	12.7	16.4	3.8	0.00	0.00	0.00	0.9	WNW
3/13/2024 14:43:00	13.0	16.6	3.6	0.00	0.00	0.00	0.9	W
3/13/2024 14:44:00	13.6	16.6	3.0	0.00	0.00	0.00	0.9	WNW
3/13/2024 14:45:00	13.9	15.9	1.9	0.00	0.00	0.00	0.9	W
3/13/2024 14:46:00	14.1	14.4	0.3	0.00	0.00	0.00	0.9	NNE
3/13/2024 14:47:00	13.5	13.8	0.3	0.00	0.00	0.00	0.9	W
3/13/2024 14:48:00	12.9	13.6	0.7	0.00	0.00	0.00	1.0	NW
3/13/2024 14:49:00	12.6	13.0	0.4	0.00	0.00	0.00	1.0	WNW