

**DAILY FIELD REPORT 093**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	October 14, 2023
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	8:45 am to 4:30 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)

Xianglei Zheng (Geotechnical)

**Work Activities Performed:**

- Urban excavated an about 50-foot-long by 15-foot- L-shaped area to about 8 feet below grade surface (bgs) in the northeastern part of waste characterization grid WC03\_0-5 and WC03\_5-10 to prepare for lagging installation. Excavated soil/fill was stockpiled in the central part of the site (grid WC03) and covered with polyethylene sheeting, pending off-site disposal.
- Urban used an excavator with a jackhammer attachment to break up and remove concrete in the northeastern part of waste characterization grid WC03\_0-5 to prepare for lagging installation.
- Urban excavated an about 20-foot-long by 15-foot-wide area to about 8 feet bgs in the northern part of waste characterization grid WC02\_0-5 and WC02\_5-10 to prepare for lagging installation. Excavated soil/fill was stockpiled in the center of the site (grid WC02) and covered with polyethylene sheeting, pending off-site disposal.
- Urban graded an about 50-foot-long by 15-foot-wide area of soil/fill in the northern part of waste characterization grid WC03 and an about 25-foot-long by 25-foot-wide area of soil/fill in the northwestern part of waste characterization grid WC02 to prepare for equipment mobilization.
- 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 one rock socket for one caisson using a Bauer BG33H Drill Rig in the northwest part of the site.
- Urban began to install one casing for one caisson and continued advancing one casing for one caisson using an Urban Custom Build Drill Rig in the northwestern part of the site.

**Material Tracking:**

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

Materials Export Summary								
Facility Name	Bayshore Soil Management, LLC		Clean Earth of Carteret, LLC		PPark NJ		Faztec Solutions	
Location	Keasbey, NJ		Carteret, NJ		Prospect Park, NJ		Staten Island, NY	
Type of Waste	Non-hazardous Soil		Non-hazardous Soil		Non-hazardous Soil		C&D	
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)
	113	3,160	29	580	0	-	14	280

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

**Samples Collected:**

- No samples were collected.

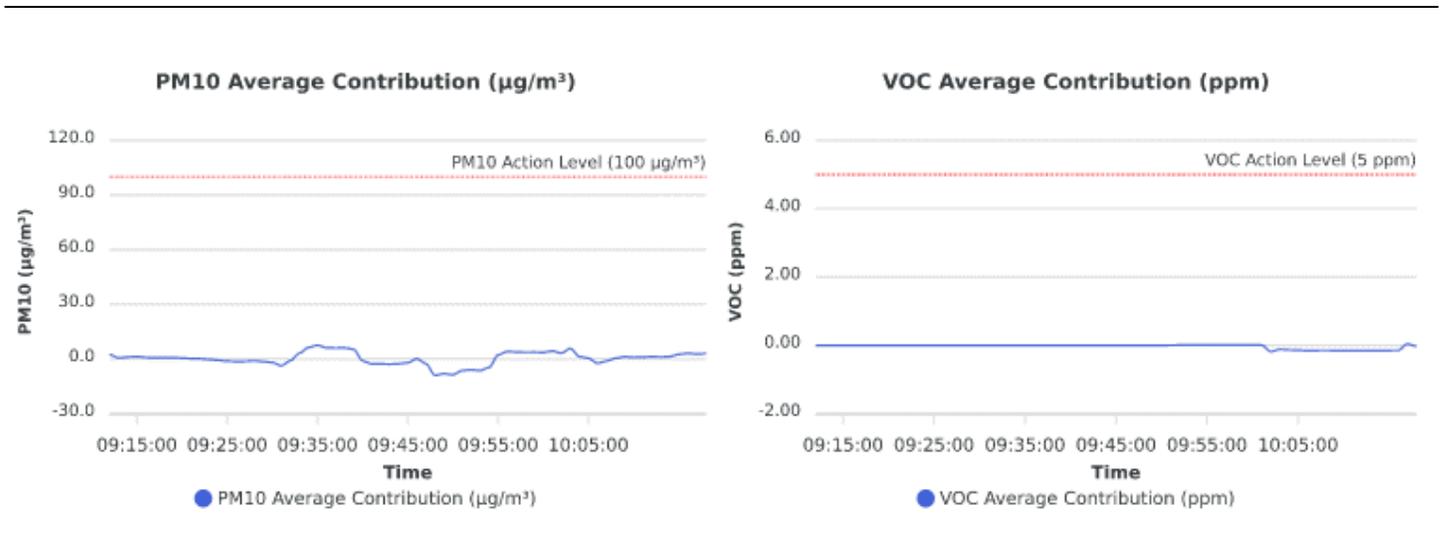
**Air Monitoring:**

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. The Community Air Monitoring Program (CAMP) was not implemented after 10:18 AM due to sustained precipitation.

Particulate Monitoring (µg/m <sup>3</sup> )		Organic Vapor Monitoring (ppm)	
Daily Background	1.6	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-9.0	VOC Average Site Contribution (Minimum)	-0.018
PM10 Average Site Contribution (Maximum)	7.6	VOC Average Site Contribution (Maximum)	0.04

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

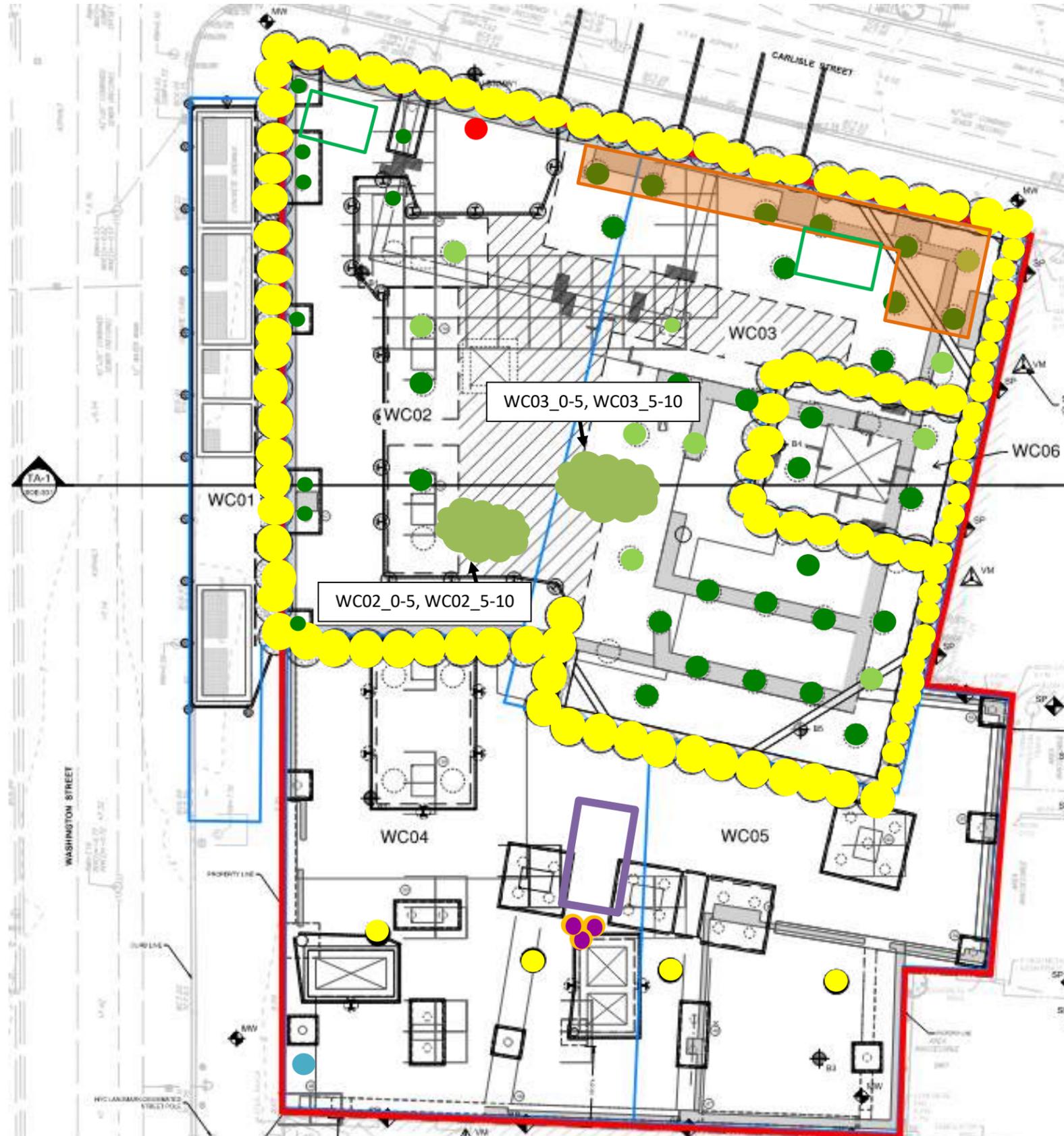
ppm: parts per million.



**Planned Activities:**

- Urban will continue installing caisson casings throughout the site.
- Urban will apply grout to caissons.
- Urban will export soil/fill to Bayshore.

**SITE PLAN**



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

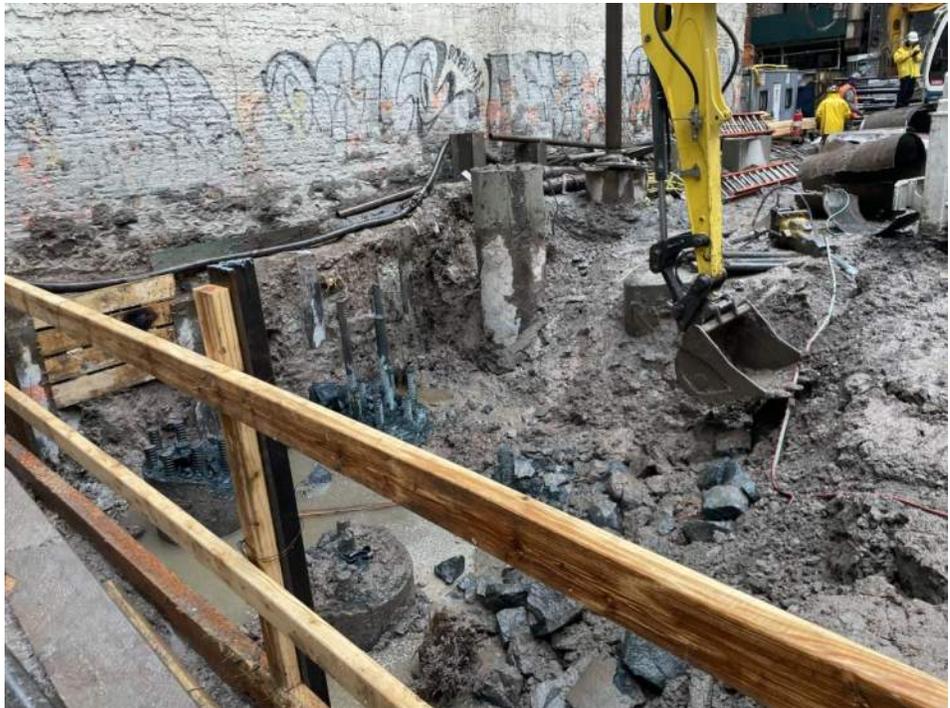
**Note:** Waste characterization grid areas were developed by PT Consultants and Urban and is shown on this site plan for reference only.

**Photo Log**

**Photo 1:** View of Urban excavating soil/fill in the northeastern corner of WC03 (facing south).



**Photo 2:** View of Urban grading soil/fill in the northeastern part of WC03 (facing southeast).



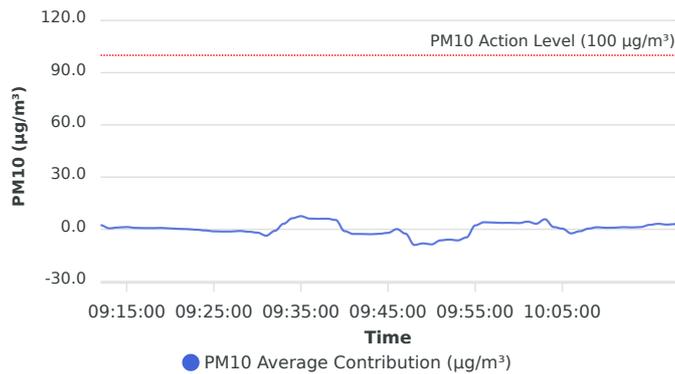
<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	10/14/2023 00:00
		<b>To:</b>	10/14/2023 23:59
		<b>PM10 Action Level:</b>	100.0 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5.00 ppm		

<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
10/14/2023	0.4-2.7	NNW

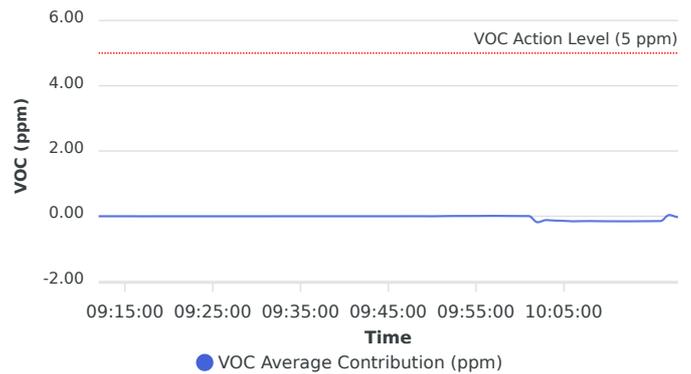
Daily Monitoring Summary	PM10 ( $\mu\text{g}/\text{m}^3$ )	Time	VOC (ppm)	Time
<b>Min Contribution (15 min avg.) - 10/14/2023</b>	-9.0	09:48	-0.18	10:02
<b>Max Contribution (15 min avg.) - 10/14/2023</b>	7.6	09:35	0.04	10:17



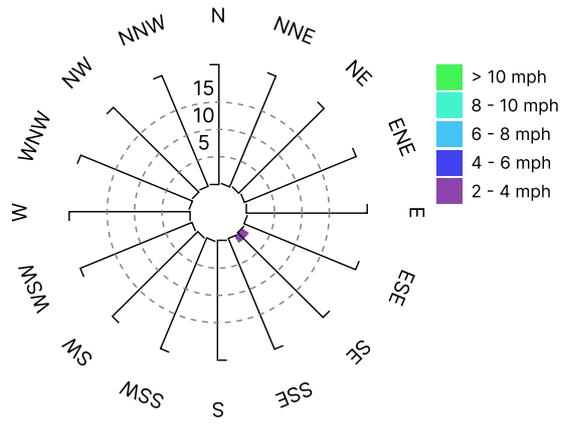
**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**



**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
10/14/2023 09:12:00	1.6	4.0	2.4	0.00	0.00	0.00	0.6	SSW
10/14/2023 09:13:00	2.3	2.9	0.6	0.00	0.00	0.00	0.7	NNW
10/14/2023 09:14:00	2.0	3.0	1.1	0.00	0.00	0.00	0.7	SSE
10/14/2023 09:15:00	1.8	3.1	1.3	0.00	0.00	0.00	0.7	SSE
10/14/2023 09:16:00	1.9	2.7	0.8	0.00	0.00	0.00	0.7	NNW
10/14/2023 09:17:00	1.8	2.5	0.7	0.00	0.00	0.00	0.6	SSE
10/14/2023 09:18:00	1.7	2.4	0.7	0.00	0.00	0.00	0.7	SW
10/14/2023 09:19:00	1.6	2.4	0.8	0.00	0.00	0.00	0.8	S
10/14/2023 09:20:00	1.7	2.2	0.5	0.00	0.00	0.00	0.8	ESE
10/14/2023 09:21:00	1.8	2.1	0.3	0.00	0.00	0.00	0.8	NNW
10/14/2023 09:22:00	1.9	2.0	0.1	0.00	0.00	0.00	0.8	NNW
10/14/2023 09:23:00	2.1	1.9	-0.3	0.00	0.00	0.00	0.8	SE
10/14/2023 09:24:00	2.5	1.8	-0.7	0.00	0.00	0.00	0.8	ESE
10/14/2023 09:25:00	2.9	1.8	-1.2	0.00	0.00	0.00	0.9	NNW
10/14/2023 09:26:00	3.0	1.7	-1.3	0.00	0.00	0.00	0.9	E
10/14/2023 09:27:00	3.0	1.7	-1.3	0.00	0.00	0.00	0.9	NW
10/14/2023 09:28:00	2.8	1.9	-1.0	0.00	0.00	0.00	1.0	SE
10/14/2023 09:29:00	3.1	1.7	-1.4	0.00	0.00	0.00	1.0	NNW
10/14/2023 09:30:00	3.5	1.6	-1.9	0.00	0.00	0.00	1.0	NNE
10/14/2023 09:31:00	5.2	1.5	-3.7	0.00	0.00	0.00	1.1	N
10/14/2023 09:32:00	5.2	4.3	-0.9	0.00	0.00	0.00	1.1	SW
10/14/2023 09:33:00	5.1	8.3	3.2	0.00	0.00	0.00	1.1	NW
10/14/2023 09:34:00	5.2	11.5	6.3	0.00	0.00	0.00	1.1	S
10/14/2023 09:35:00	5.1	12.6	7.6	0.00	0.00	0.00	1.1	S
10/14/2023 09:36:00	6.5	12.7	6.2	0.00	0.00	0.00	1.1	NW
10/14/2023 09:37:00	6.6	12.7	6.0	0.00	0.00	0.00	1.1	N
10/14/2023 09:38:00	6.6	12.7	6.1	0.00	0.00	0.00	1.1	NNW
10/14/2023 09:39:00	7.5	12.8	5.3	0.00	0.00	0.00	1.1	ESE
10/14/2023 09:40:00	14.0	12.9	-1.1	0.00	0.00	0.00	1.0	NE
10/14/2023 09:41:00	15.8	13.1	-2.7	0.00	0.00	0.00	1.0	NNE
10/14/2023 09:42:00	15.9	13.2	-2.7	0.00	0.00	0.00	1.0	WNW
10/14/2023 09:43:00	16.0	13.2	-2.8	0.00	0.00	0.00	0.9	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
10/14/2023 09:44:00	15.9	13.4	-2.5	0.00	0.00	0.00	0.9	NE
10/14/2023 09:45:00	15.6	13.6	-2.0	0.00	0.00	0.00	0.8	SW
10/14/2023 09:46:00	14.1	14.3	0.1	0.00	0.00	0.00	0.8	N
10/14/2023 09:47:00	14.3	11.9	-2.5	0.00	0.00	0.00	0.8	ENE
10/14/2023 09:48:00	16.9	7.9	-9.0	0.00	0.00	0.00	0.7	SE
10/14/2023 09:49:00	17.1	9.0	-8.1	0.00	0.00	0.00	0.7	SW
10/14/2023 09:50:00	18.2	9.6	-8.6	0.00	0.00	0.00	0.7	NW
10/14/2023 09:51:00	17.2	10.9	-6.4	0.00	0.01	0.00	0.7	NW
10/14/2023 09:52:00	17.5	11.6	-5.9	0.00	0.01	0.01	0.6	NW
10/14/2023 09:53:00	18.4	12.0	-6.4	0.00	0.01	0.01	0.6	NW
10/14/2023 09:54:00	17.4	12.8	-4.7	0.00	0.01	0.01	0.6	WNW
10/14/2023 09:55:00	10.7	13.0	2.2	0.01	0.01	0.01	0.6	NW
10/14/2023 09:56:00	9.2	13.2	4.1	0.01	0.02	0.01	0.6	SE
10/14/2023 09:57:00	9.5	13.4	3.9	0.01	0.02	0.01	0.6	SE
10/14/2023 09:58:00	10.1	13.8	3.7	0.01	0.02	0.01	0.6	SSE
10/14/2023 09:59:00	10.5	14.2	3.7	0.01	0.02	0.01	0.6	SSW
10/14/2023 10:00:00	10.7	14.2	3.6	0.01	0.02	0.01	0.6	NW
10/14/2023 10:01:00	10.5	14.9	4.4	0.01	0.02	0.01	0.6	WNW
10/14/2023 10:02:00	11.4	14.6	3.2	0.20	0.02	-0.18	0.6	NNW
10/14/2023 10:03:00	9.0	14.8	5.8	0.20	0.09	-0.12	0.6	WNW
10/14/2023 10:04:00	9.2	10.5	1.3	0.22	0.09	-0.13	0.6	NNW
10/14/2023 10:05:00	8.5	8.9	0.4	0.23	0.09	-0.14	0.6	NW
10/14/2023 10:06:00	10.0	7.7	-2.3	0.24	0.08	-0.15	0.6	NW
10/14/2023 10:07:00	9.8	8.7	-1.1	0.24	0.09	-0.15	0.6	SSW
10/14/2023 10:08:00	10.0	10.4	0.4	0.24	0.09	-0.15	0.6	WNW
10/14/2023 10:09:00	10.9	12.2	1.2	0.24	0.09	-0.15	0.6	SE
10/14/2023 10:10:00	11.7	12.6	0.9	0.24	0.09	-0.15	0.6	NE
10/14/2023 10:11:00	11.9	12.9	0.9	0.24	0.09	-0.15	0.7	NNW
10/14/2023 10:12:00	11.6	12.9	1.2	0.24	0.09	-0.15	0.6	NNW
10/14/2023 10:13:00	11.3	12.3	1.1	0.24	0.09	-0.15	0.7	NW
10/14/2023 10:14:00	10.8	12.1	1.3	0.24	0.09	-0.15	0.7	NNE
10/14/2023 10:15:00	10.7	13.3	2.5	0.24	0.09	-0.15	0.7	NE
10/14/2023 10:16:00	10.8	13.9	3.1	0.24	0.09	-0.15	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
10/14/2023 10:17:00	11.5	14.2	2.7	0.06	0.09	0.04	0.7	WNW
10/14/2023 10:18:00	12.3	15.3	3.0	0.06	0.03	-0.03	0.7	NNW