

**DAILY FIELD REPORT 017**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	June 28, 2023
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	7:00 am to 3:30 pm
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<b>Consultant:</b> Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	<b>Langan Field Personnel:</b> Brian Kenneally (Environmental) Xianglei Zheng (Geotechnical)
<b>Construction Manager:</b> Consigli Construction Co., Inc. (Consigli)	
<b>Foundation Contractor:</b> Urban Foundation/Engineering (Urban) <b>Regulatory Agency:</b> New York City Department of Buildings (DOB)	

**Work Activities Performed:**

- Urban graded an about 30-foot-long by 30-foot-wide area in the eastern part of waste characterization grid WC03 to create a level surface for support of excavation (SOE) installation.
- Urban installed five SOE soldier piles (S14, S16, S18, S20, and S22) to a maximum depth of about 37 feet below grade surface (bgs) along the eastern border 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)
	19	380	17	340	0	-	14	280

**Samples Collected:**

- No samples were collected.

**Air Monitoring:**

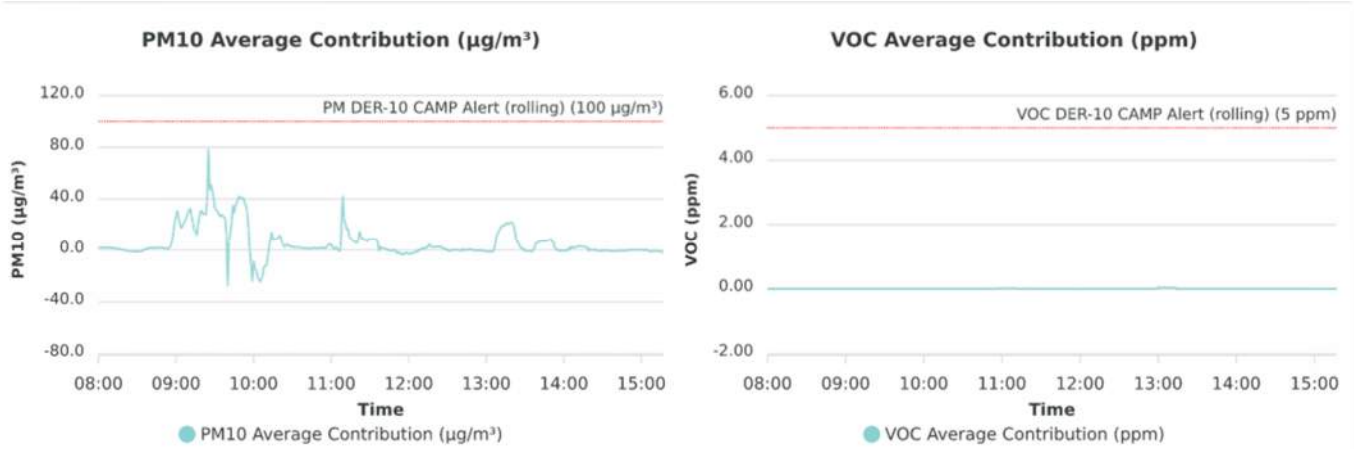
The 15-minute average site contributions for particulates and volatile organic compounds (VOCs) are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m<sup>3</sup> for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 100 µg/m<sup>3</sup> and 5 ppm, respectively, on this day. Data gaps were encountered at 11:08 AM and was attributed to errors encountered with the weather station equipment.

\*\*\*Please note the New York State Department of Environmental Conservation and State Department of Health (DOH) issued an Air Quality Health Advisory for all state regions for Wednesday, June 28, 2023. Ambient air quality conditions may have affected air monitoring results.\*\*\*

Particulate Monitoring ( $\mu\text{g}/\text{m}^3$ )		Organic Vapor Monitoring (ppm)	
Daily Background	14.8	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-27.8	VOC Average Site Contribution (Minimum)	-0.002
PM10 Average Site Contribution (Maximum)	51.0	VOC Average Site Contribution (Maximum)	0.06

$\mu\text{g}/\text{m}^3$ : micrograms per cubic meter.

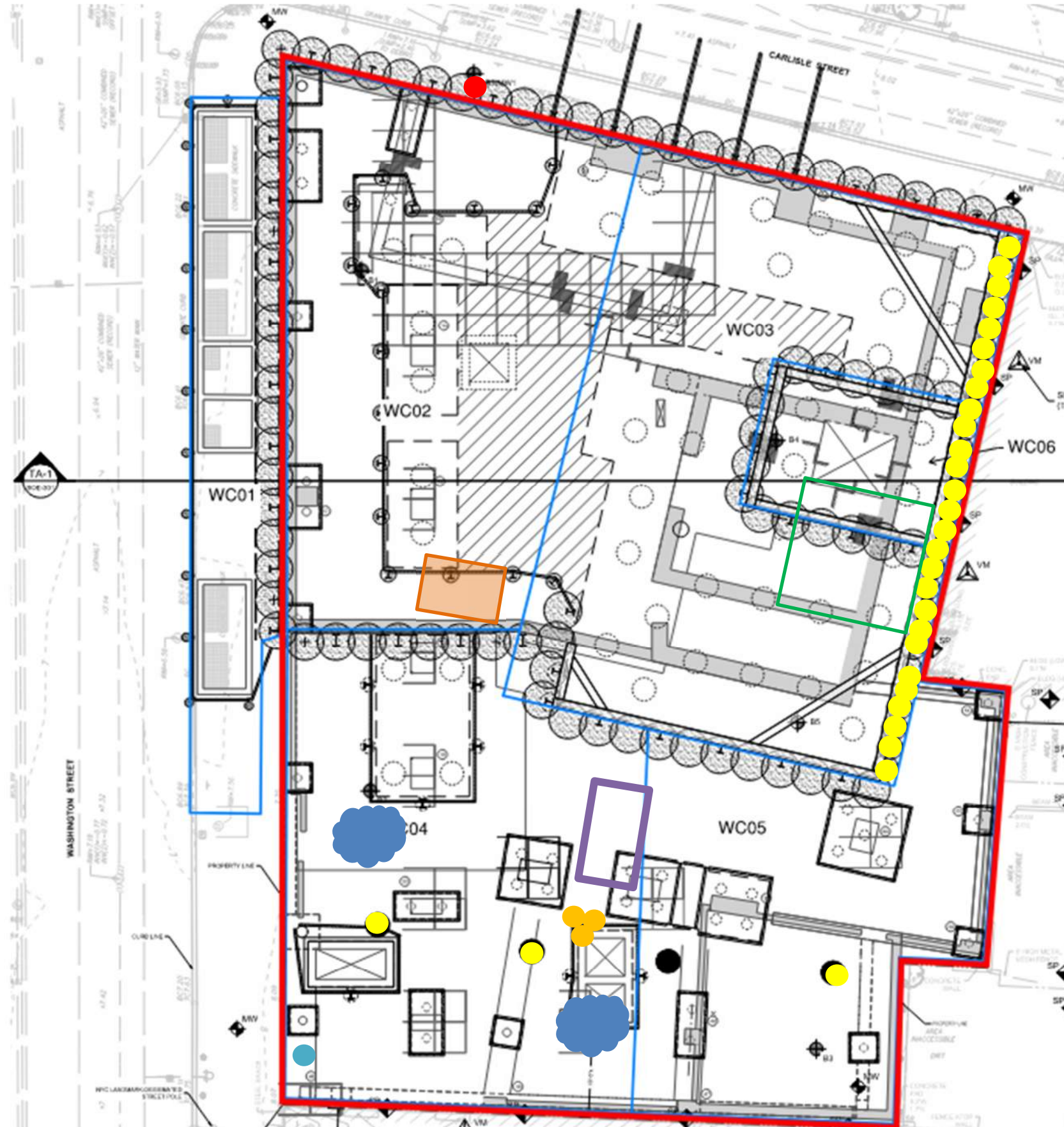
ppm: parts per million.















**Planned Activities:**

- Urban will continue installing soil-mix and SOE columns throughout the site.

**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 Soil-Mix Column as part of the In-Situ Stabilization of NAPL-contaminated Soil**
-  **Approximate Location of the 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:** Urban grading soil/fill in the eastern part of the site to create a level grading surface for SOE installation (facing northeast).



**Photo 2:** Urban installing SOE soldier piles along the eastern border of the site (facing north).





**Photo 3:** View of CAMP Station 1 in the northern part of the site (facing east).



**Photo 4:** View of CAMP Station 2 in the southwestern part of the site (facing south).



**Photo 5:** View of the entrance/exit of the site along Washington Street at the end of the work day (facing north).



**Photo 6:** View of the entrance/exit of the site at the corner of Carlisle and Washington Street at the end of the work day (facing south).



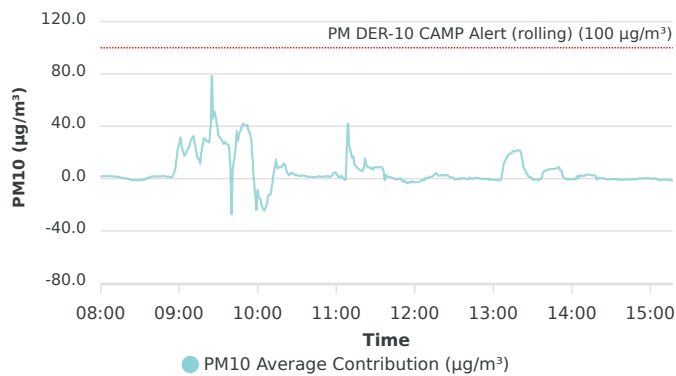


<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	6/28/2023 08:00
		<b>To:</b>	6/28/2023 18:00

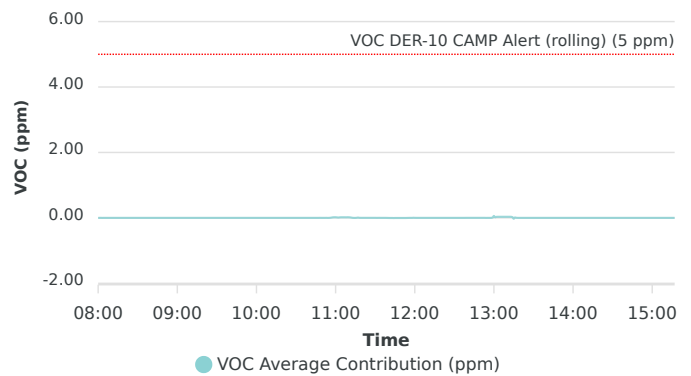
<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
6/28/2023	0.3-2.5	WNW



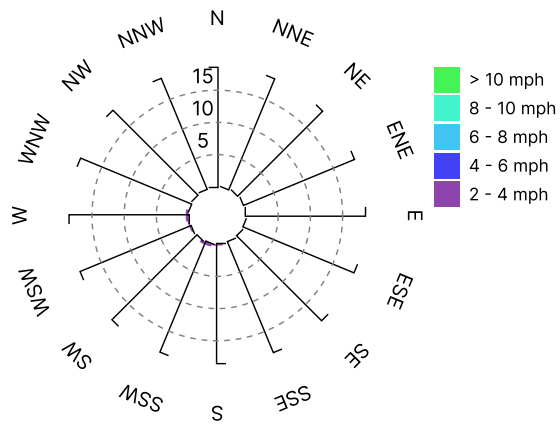
**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**



**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
6/28/2023 08:00:00	14.8	16.3	1.5	0.00	0.00	0.00	0.9	NW
6/28/2023 08:01:00	14.5	16.3	1.8	0.00	0.00	0.00	0.9	NNE
6/28/2023 08:02:00	14.4	16.3	1.8	0.00	0.00	0.00	0.9	WNW
6/28/2023 08:03:00	14.3	16.3	2.0	0.00	0.00	0.00	0.9	ESE
6/28/2023 08:04:00	14.4	16.3	1.9	0.00	0.00	0.00	0.9	ESE
6/28/2023 08:05:00	14.4	16.2	1.8	0.00	0.00	0.00	0.8	E
6/28/2023 08:06:00	14.4	16.2	1.8	0.00	0.00	0.00	0.8	E
6/28/2023 08:07:00	14.5	16.3	1.8	0.00	0.00	0.00	0.8	NE
6/28/2023 08:08:00	14.4	16.3	1.8	0.00	0.00	0.00	0.8	NNW
6/28/2023 08:09:00	14.5	16.3	1.8	0.00	0.00	0.00	0.8	ENE
6/28/2023 08:10:00	14.6	16.2	1.5	0.00	0.00	0.00	0.8	S
6/28/2023 08:11:00	14.6	16.2	1.6	0.00	0.00	0.00	0.8	SE
6/28/2023 08:12:00	14.7	16.1	1.4	0.00	0.00	0.00	0.7	SSW
6/28/2023 08:13:00	14.7	16.1	1.4	0.00	0.00	0.00	0.7	ESE
6/28/2023 08:14:00	14.7	16.1	1.4	0.00	0.00	0.00	0.7	E
6/28/2023 08:15:00	14.9	16.0	1.1	0.00	0.00	0.00	0.7	SE
6/28/2023 08:16:00	15.1	15.8	0.6	0.00	0.00	0.00	0.7	WSW
6/28/2023 08:17:00	15.3	15.7	0.4	0.00	0.00	0.00	0.7	W
6/28/2023 08:18:00	15.4	15.7	0.3	0.00	0.00	0.00	0.7	ESE
6/28/2023 08:19:00	15.4	15.6	0.3	0.00	0.00	0.00	0.7	ESE
6/28/2023 08:20:00	15.5	15.5	0.1	0.00	0.00	0.00	0.7	SE
6/28/2023 08:21:00	15.5	15.3	-0.3	0.00	0.00	0.00	0.8	SE
6/28/2023 08:22:00	15.7	15.1	-0.6	0.00	0.00	0.00	0.8	ESE
6/28/2023 08:23:00	15.7	14.9	-0.8	0.00	0.00	0.00	0.8	W
6/28/2023 08:24:00	15.8	14.6	-1.1	0.00	0.00	0.00	0.8	WSW
6/28/2023 08:25:00	15.7	14.5	-1.2	0.00	0.00	0.00	0.8	SW
6/28/2023 08:26:00	15.7	14.5	-1.2	0.00	0.00	0.00	0.8	S
6/28/2023 08:27:00	15.6	14.5	-1.1	0.00	0.00	0.00	0.8	SE
6/28/2023 08:28:00	15.6	14.4	-1.2	0.00	0.00	0.00	0.8	E
6/28/2023 08:29:00	15.6	14.4	-1.3	0.00	0.00	0.00	0.8	N
6/28/2023 08:30:00	15.6	14.4	-1.2	0.00	0.00	0.00	0.8	E
6/28/2023 08:31:00	15.4	14.4	-1.0	0.00	0.00	0.00	0.8	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
6/28/2023 08:32:00	15.3	14.3	-0.9	0.00	0.00	0.00	0.8	NNW
6/28/2023 08:33:00	15.2	14.3	-0.9	0.00	0.00	0.00	0.8	WNW
6/28/2023 08:34:00	15.1	14.4	-0.7	0.00	0.00	0.00	0.8	WNW
6/28/2023 08:35:00	15.0	15.0	0.0	0.00	0.00	0.00	0.9	N
6/28/2023 08:36:00	14.9	15.5	0.7	0.00	0.00	0.00	0.9	NE
6/28/2023 08:37:00	15.0	15.5	0.6	0.00	0.00	0.00	0.8	SSW
6/28/2023 08:38:00	14.9	16.0	1.2	0.00	0.00	0.00	0.8	E
6/28/2023 08:39:00	14.8	16.4	1.6	0.00	0.00	0.00	0.8	NNE
6/28/2023 08:40:00	15.2	16.8	1.6	0.00	0.00	0.00	0.8	ESE
6/28/2023 08:41:00	15.2	17.1	1.9	0.00	0.00	0.00	0.8	ESE
6/28/2023 08:42:00	15.4	17.1	1.6	0.00	0.00	0.00	0.8	ESE
6/28/2023 08:43:00	15.4	17.2	1.8	0.00	0.00	0.00	0.8	ESE
6/28/2023 08:44:00	15.7	17.2	1.5	0.00	0.00	0.00	0.8	ESE
6/28/2023 08:45:00	15.7	17.4	1.7	0.00	0.00	0.00	0.9	E
6/28/2023 08:46:00	15.6	17.4	1.8	0.00	0.00	0.00	0.9	NW
6/28/2023 08:47:00	15.6	17.5	1.9	0.00	0.00	0.00	0.9	E
6/28/2023 08:48:00	15.5	17.5	2.0	0.00	0.00	0.00	0.9	ESE
6/28/2023 08:49:00	15.3	17.3	2.0	0.00	0.00	0.00	0.9	ESE
6/28/2023 08:50:00	15.1	16.7	1.5	0.00	0.00	0.00	0.9	ESE
6/28/2023 08:51:00	15.0	16.2	1.3	0.00	0.00	0.00	0.9	NW
6/28/2023 08:52:00	14.6	16.3	1.7	0.00	0.00	0.00	0.9	N
6/28/2023 08:53:00	14.7	15.8	1.2	0.00	0.00	0.00	0.9	SE
6/28/2023 08:54:00	14.6	15.6	1.0	0.00	0.00	0.00	1.0	NE
6/28/2023 08:55:00	14.3	16.1	1.9	0.00	0.00	0.00	1.0	E
6/28/2023 08:56:00	14.2	18.0	3.8	0.00	0.00	0.00	0.9	E
6/28/2023 08:57:00	13.9	21.1	7.3	0.00	0.00	0.00	0.9	N
6/28/2023 08:58:00	13.7	28.7	15.0	0.00	0.00	0.00	1.0	NNW
6/28/2023 08:59:00	13.4	36.0	22.6	0.00	0.00	0.00	0.9	ENE
6/28/2023 09:00:00	13.4	39.9	26.6	0.00	0.00	0.00	0.9	E
6/28/2023 09:01:00	13.3	44.2	31.0	0.00	0.00	0.00	0.9	E
6/28/2023 09:02:00	19.5	44.0	24.5	0.00	0.00	0.00	0.9	ESE
6/28/2023 09:03:00	23.0	43.8	20.8	0.00	0.00	0.00	0.9	ESE
6/28/2023 09:04:00	26.0	43.6	17.6	0.00	0.00	0.00	0.8	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
6/28/2023 09:05:00	26.0	44.7	18.8	0.00	0.00	0.00	0.8	ENE
6/28/2023 09:06:00	26.0	47.3	21.3	0.00	0.00	0.00	0.8	E
6/28/2023 09:07:00	25.9	48.9	23.0	0.00	0.00	0.00	0.8	E
6/28/2023 09:08:00	25.7	51.1	25.4	0.00	0.00	0.00	0.8	E
6/28/2023 09:09:00	25.6	54.7	29.1	0.00	0.00	0.00	0.8	NW
6/28/2023 09:10:00	25.3	56.5	31.2	0.00	0.00	0.00	0.8	ENE
6/28/2023 09:11:00	25.0	57.4	32.4	0.00	0.00	0.00	0.8	NNE
6/28/2023 09:12:00	27.0	54.1	27.1	0.00	0.00	0.00	0.8	ESE
6/28/2023 09:13:00	27.0	48.1	21.1	0.00	0.00	0.00	0.8	E
6/28/2023 09:14:00	26.8	42.8	16.0	0.00	0.00	0.00	0.7	WNW
6/28/2023 09:15:00	26.7	41.7	15.1	0.00	0.00	0.00	0.7	NW
6/28/2023 09:16:00	26.6	38.7	12.0	0.00	0.00	0.00	0.7	ENE
6/28/2023 09:17:00	20.2	40.2	20.0	0.00	0.00	0.00	0.7	E
6/28/2023 09:18:00	16.6	42.5	25.9	0.00	0.00	0.00	0.7	ENE
6/28/2023 09:19:00	13.6	44.4	30.8	0.00	0.00	0.00	0.7	N
6/28/2023 09:20:00	13.5	43.9	30.3	0.00	0.00	0.00	0.7	NNW
6/28/2023 09:21:00	13.5	41.9	28.4	0.00	0.00	0.00	0.7	NE
6/28/2023 09:22:00	13.5	41.9	28.4	0.00	0.00	0.00	0.7	E
6/28/2023 09:23:00	14.6	42.3	27.7	0.00	0.00	0.00	0.7	N
6/28/2023 09:24:00	16.8	55.2	38.4	0.00	0.00	0.00	0.6	WNW
6/28/2023 09:25:00	18.1	97.0	78.9	0.00	0.00	0.00	0.6	SE
6/28/2023 09:26:00	48.2	95.0	46.8	0.00	0.00	0.00	0.6	NW
6/28/2023 09:27:00	47.1	98.1	51.0	0.00	0.00	0.00	0.6	ESE
6/28/2023 09:28:00	50.9	97.8	46.9	0.00	0.00	0.00	0.6	NNW
6/28/2023 09:29:00	56.1	96.8	40.8	0.00	0.00	0.00	0.6	NNW
6/28/2023 09:30:00	61.1	93.9	32.8	0.00	0.00	0.00	0.6	N
6/28/2023 09:31:00	61.4	92.9	31.6	0.00	0.00	0.00	0.6	NE
6/28/2023 09:32:00	61.3	91.7	30.4	0.00	0.00	0.00	0.6	WNW
6/28/2023 09:33:00	61.4	89.7	28.4	0.00	0.00	0.00	0.6	N
6/28/2023 09:34:00	61.4	88.0	26.6	0.00	0.00	0.00	0.6	NW
6/28/2023 09:35:00	61.6	89.5	27.9	0.00	0.00	0.00	0.6	SE
6/28/2023 09:36:00	63.3	90.2	26.9	0.00	0.00	0.00	0.5	ESE
6/28/2023 09:37:00	63.5	89.5	26.0	0.00	0.00	0.00	0.6	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
6/28/2023 09:38:00	62.7	87.8	25.1	0.00	0.00	0.00	0.6	NW
6/28/2023 09:39:00	60.9	72.9	12.1	0.00	0.00	0.00	0.7	WNW
6/28/2023 09:40:00	61.2	33.5	-27.8	0.00	0.00	0.00	0.7	WSW
6/28/2023 09:41:00	31.7	39.3	7.6	0.00	0.00	0.00	0.7	SW
6/28/2023 09:42:00	31.1	45.5	14.4	0.00	0.00	0.00	0.7	W
6/28/2023 09:43:00	27.6	49.8	22.2	0.00	0.00	0.00	0.7	SSW
6/28/2023 09:44:00	22.7	57.8	35.1	0.00	0.00	0.00	0.7	WSW
6/28/2023 09:45:00	28.3	57.8	29.6	0.00	0.00	0.00	0.7	NW
6/28/2023 09:46:00	28.3	63.7	35.3	0.00	0.00	0.00	0.7	S
6/28/2023 09:47:00	28.6	65.1	36.5	0.00	0.00	0.00	0.7	ESE
6/28/2023 09:48:00	28.9	69.6	40.7	0.00	0.00	0.00	0.8	WNW
6/28/2023 09:49:00	31.4	73.4	42.0	0.00	0.00	0.00	0.8	W
6/28/2023 09:50:00	32.8	73.3	40.6	0.00	0.00	0.00	0.8	ENE
6/28/2023 09:51:00	32.1	72.5	40.4	0.00	0.00	0.00	0.8	ESE
6/28/2023 09:52:00	32.2	73.1	40.9	0.00	0.00	0.00	0.7	W
6/28/2023 09:53:00	35.6	72.3	36.8	0.00	0.00	0.00	0.7	E
6/28/2023 09:54:00	35.7	70.7	35.0	0.00	0.00	0.00	0.7	E
6/28/2023 09:55:00	36.1	66.5	30.3	0.00	0.00	0.00	0.7	WNW
6/28/2023 09:56:00	44.2	60.2	16.0	0.00	0.00	0.00	0.7	WNW
6/28/2023 09:57:00	55.0	55.0	0.0	0.00	0.00	0.00	0.7	SSW
6/28/2023 09:58:00	63.4	52.7	-10.7	0.00	0.00	0.00	0.7	S
6/28/2023 09:59:00	70.7	46.5	-24.3	0.00	0.00	0.00	0.7	SW
6/28/2023 10:00:00	63.9	55.5	-8.4	0.00	0.00	0.00	0.7	SW
6/28/2023 10:01:00	65.0	50.5	-14.5	0.00	0.00	0.00	0.7	NE
6/28/2023 10:02:00	65.0	49.5	-15.5	0.00	0.00	0.00	0.6	N
6/28/2023 10:03:00	65.1	44.8	-20.3	0.00	0.00	0.00	0.6	ESE
6/28/2023 10:04:00	63.7	40.9	-22.8	0.00	0.00	0.00	0.7	ESE
6/28/2023 10:05:00	63.1	38.7	-24.4	0.00	0.00	0.00	0.6	SE
6/28/2023 10:06:00	62.1	39.5	-22.6	0.00	0.00	0.00	0.6	NNE
6/28/2023 10:07:00	61.9	42.3	-19.6	0.00	0.00	0.00	0.7	E
6/28/2023 10:08:00	58.3	45.0	-13.3	0.00	0.00	0.00	0.7	ENE
6/28/2023 10:09:00	57.9	45.9	-12.1	0.00	0.00	0.00	0.7	ENE
6/28/2023 10:10:00	57.4	45.5	-11.9	0.00	0.00	0.00	0.7	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
6/28/2023 10:11:00	51.1	46.2	-4.9	0.00	0.00	0.00	0.7	WSW
6/28/2023 10:12:00	41.8	44.7	3.0	0.00	0.00	0.00	0.7	NE
6/28/2023 10:13:00	34.3	42.9	8.7	0.00	0.00	0.00	0.6	NE
6/28/2023 10:14:00	27.5	41.5	14.0	0.00	0.00	0.00	0.7	NW
6/28/2023 10:15:00	24.9	32.7	7.8	0.00	0.00	0.00	0.7	SW
6/28/2023 10:16:00	24.0	32.8	8.7	0.00	0.00	0.00	0.7	NNE
6/28/2023 10:17:00	24.3	32.8	8.6	0.00	0.00	0.00	0.7	E
6/28/2023 10:18:00	24.3	33.0	8.8	0.00	0.00	0.00	0.7	SW
6/28/2023 10:19:00	23.5	33.5	10.1	0.00	0.00	0.00	0.6	ENE
6/28/2023 10:20:00	22.8	34.3	11.5	0.00	0.00	0.00	0.6	NE
6/28/2023 10:21:00	23.1	33.6	10.5	0.00	0.00	0.00	0.7	NE
6/28/2023 10:22:00	23.9	29.8	5.9	0.00	0.00	0.00	0.6	SSE
6/28/2023 10:23:00	24.2	27.8	3.6	0.00	0.00	0.00	0.6	E
6/28/2023 10:24:00	24.4	27.0	2.6	0.00	0.00	0.00	0.6	NW
6/28/2023 10:25:00	23.1	26.8	3.7	0.00	0.00	0.00	0.7	NW
6/28/2023 10:26:00	21.3	25.8	4.5	0.00	0.00	0.00	0.7	W
6/28/2023 10:27:00	19.8	23.5	3.7	0.00	0.00	0.00	0.7	NNW
6/28/2023 10:28:00	19.0	22.1	3.1	0.00	0.00	0.00	0.7	SE
6/28/2023 10:29:00	18.5	20.9	2.4	0.00	0.00	0.00	0.7	ENE
6/28/2023 10:30:00	17.6	20.6	3.0	0.00	0.00	0.00	0.7	WNW
6/28/2023 10:31:00	17.4	19.6	2.3	0.00	0.00	0.00	0.8	N
6/28/2023 10:32:00	17.2	19.2	2.0	0.00	0.00	0.00	0.8	NNW
6/28/2023 10:33:00	17.0	19.3	2.3	0.00	0.00	0.00	0.8	NNW
6/28/2023 10:34:00	16.9	19.3	2.4	0.00	0.00	0.00	0.8	NNW
6/28/2023 10:35:00	16.8	19.0	2.2	0.00	0.00	0.00	0.8	ENE
6/28/2023 10:36:00	16.6	18.5	1.9	0.00	0.00	0.00	0.8	WNW
6/28/2023 10:37:00	16.1	18.1	2.0	0.00	0.00	0.00	0.8	WNW
6/28/2023 10:38:00	16.1	17.5	1.4	0.00	0.00	0.00	0.8	WNW
6/28/2023 10:39:00	16.1	17.5	1.4	0.00	0.00	0.00	0.8	NW
6/28/2023 10:40:00	15.9	17.4	1.5	0.00	0.00	0.00	0.8	NW
6/28/2023 10:41:00	15.9	17.3	1.4	0.00	0.00	0.00	0.8	ESE
6/28/2023 10:42:00	15.9	17.1	1.3	0.00	0.00	0.00	0.8	N
6/28/2023 10:43:00	15.8	17.0	1.2	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
6/28/2023 10:44:00	15.8	16.9	1.2	0.00	0.00	0.00	0.8	NW
6/28/2023 10:45:00	15.7	17.0	1.4	0.00	0.00	0.00	0.8	NNE
6/28/2023 10:46:00	15.6	17.2	1.6	0.00	0.00	0.00	0.8	ENE
6/28/2023 10:47:00	15.6	17.4	1.8	0.00	0.00	0.00	0.8	WNW
6/28/2023 10:48:00	16.1	17.6	1.5	0.00	0.00	0.00	0.8	ENE
6/28/2023 10:49:00	16.9	18.3	1.5	0.00	0.00	0.00	0.8	W
6/28/2023 10:50:00	17.5	18.8	1.3	0.00	0.00	0.00	0.8	NW
6/28/2023 10:51:00	17.9	19.5	1.6	0.00	0.00	0.00	0.8	WSW
6/28/2023 10:52:00	18.1	19.9	1.8	0.00	0.00	0.00	0.8	WNW
6/28/2023 10:53:00	18.1	19.9	1.8	0.00	0.00	0.00	0.9	W
6/28/2023 10:54:00	18.1	19.9	1.8	0.00	0.00	0.00	0.9	WNW
6/28/2023 10:55:00	18.3	19.6	1.3	0.00	0.00	0.00	0.9	W
6/28/2023 10:56:00	18.0	19.7	1.7	0.00	0.01	0.00	0.9	NW
6/28/2023 10:57:00	17.7	20.3	2.7	0.00	0.01	0.01	0.9	E
6/28/2023 10:58:00	17.4	21.6	4.3	0.00	0.02	0.02	0.9	NW
6/28/2023 10:59:00	17.2	21.9	4.7	0.00	0.02	0.02	0.9	WNW
6/28/2023 11:00:00	17.5	21.6	4.0	0.00	0.02	0.02	0.9	SW
6/28/2023 11:01:00	17.8	20.2	2.4	0.01	0.02	0.01	0.9	SSW
6/28/2023 11:02:00	18.0	18.8	0.8	0.01	0.02	0.01	0.9	WSW
6/28/2023 11:03:00	17.3	18.6	1.4	0.01	0.03	0.01	0.9	NNW
6/28/2023 11:04:00	16.3	18.4	2.1	0.01	0.03	0.02	0.9	NNE
6/28/2023 11:05:00	16.9	17.5	0.7	0.01	0.03	0.02	0.9	WSW
6/28/2023 11:06:00	17.2	16.6	-0.6	0.01	0.03	0.02	1.0	SSE
6/28/2023 11:07:00	16.9	16.0	-0.9	0.01	0.03	0.02	0.9	ESE
6/28/2023 11:08:00				0.01	0.03	0.02	0.9	NNW
6/28/2023 11:09:00	11.9	54.4	42.5	0.01	0.03	0.02	0.9	NNE
6/28/2023 11:10:00	19.7	43.8	24.1	0.01	0.03	0.02	0.9	NW
6/28/2023 11:11:00	21.0	42.1	21.1	0.01	0.02	0.01	0.9	WNW
6/28/2023 11:12:00	23.1	39.3	16.1	0.01	0.02	0.01	0.9	WNW
6/28/2023 11:13:00	21.4	38.3	16.9	0.01	0.01	0.00	0.9	NNE
6/28/2023 11:14:00	24.0	34.8	10.8	0.01	0.01	0.00	0.9	W
6/28/2023 11:15:00	22.9	32.4	9.5	0.01	0.01	0.00	0.9	WNW
6/28/2023 11:16:00	21.8	30.1	8.3	0.01	0.01	0.00	0.9	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
6/28/2023 11:17:00	21.1	28.5	7.5	0.00	0.01	0.01	0.9	WSW
6/28/2023 11:18:00	20.4	27.1	6.7	0.00	0.00	0.00	0.9	WNW
6/28/2023 11:19:00	19.7	25.8	6.1	0.00	0.00	0.00	0.9	NW
6/28/2023 11:20:00	19.0	24.7	5.7	0.00	0.00	0.00	0.8	S
6/28/2023 11:21:00	18.4	26.3	7.9	0.00	0.00	0.00	0.8	SSW
6/28/2023 11:22:00	18.0	32.8	14.9	0.00	0.00	0.00	0.8	W
6/28/2023 11:23:00	21.0	31.6	10.6	0.00	0.00	0.00	0.8	NNW
6/28/2023 11:24:00	21.3	30.2	8.8	0.00	0.00	0.00	0.8	SW
6/28/2023 11:25:00	20.6	29.6	9.0	0.00	0.00	0.00	0.8	W
6/28/2023 11:26:00	20.2	28.1	7.9	0.00	0.00	0.00	0.8	NW
6/28/2023 11:27:00	19.2	27.2	8.1	0.00	0.00	0.00	0.7	NNW
6/28/2023 11:28:00	19.1	26.2	7.0	0.00	0.00	0.00	0.7	ENE
6/28/2023 11:29:00	17.6	26.2	8.6	0.00	0.00	0.00	0.7	WNW
6/28/2023 11:30:00	17.4	26.2	8.8	0.00	0.00	0.00	0.7	NNW
6/28/2023 11:31:00	17.4	26.0	8.6	0.00	0.00	0.00	0.7	WSW
6/28/2023 11:32:00	17.4	25.9	8.5	0.00	0.00	0.00	0.7	S
6/28/2023 11:33:00	17.3	26.1	8.8	0.00	0.00	0.00	0.8	WNW
6/28/2023 11:34:00	17.3	26.0	8.7	0.00	0.00	0.00	0.8	WNW
6/28/2023 11:35:00	17.3	25.9	8.6	0.00	0.00	0.00	0.8	WNW
6/28/2023 11:36:00	17.2	23.5	6.3	0.00	0.00	0.00	0.8	WNW
6/28/2023 11:37:00	17.2	16.5	-0.6	0.00	0.00	0.00	0.8	ESE
6/28/2023 11:38:00	13.8	16.4	2.7	0.00	0.00	0.00	0.8	WNW
6/28/2023 11:39:00	13.3	15.1	1.8	0.00	0.00	0.00	0.8	ESE
6/28/2023 11:40:00	13.0	14.2	1.2	0.00	0.00	0.00	0.8	SSE
6/28/2023 11:41:00	12.8	14.0	1.1	0.00	0.00	0.00	0.9	W
6/28/2023 11:42:00	12.6	13.6	1.0	0.00	0.00	0.00	0.9	N
6/28/2023 11:43:00	12.8	13.2	0.4	0.00	0.00	0.00	0.9	SE
6/28/2023 11:44:00	12.7	12.9	0.2	0.01	0.00	-0.01	0.9	WNW
6/28/2023 11:45:00	12.8	12.6	-0.3	0.01	0.00	0.00	0.9	NW
6/28/2023 11:46:00	13.6	12.9	-0.7	0.01	0.00	0.00	0.9	N
6/28/2023 11:47:00	13.7	13.5	-0.1	0.01	0.00	0.00	0.9	W
6/28/2023 11:48:00	13.7	13.5	-0.3	0.01	0.00	0.00	0.9	NNE
6/28/2023 11:49:00	13.8	13.9	0.1	0.01	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
6/28/2023 11:50:00	15.4	14.2	-1.1	0.01	0.00	0.00	0.9	N
6/28/2023 11:51:00	17.0	14.6	-2.5	0.01	0.00	0.00	0.9	WNW
6/28/2023 11:52:00	17.2	15.8	-1.5	0.01	0.00	0.00	1.0	SE
6/28/2023 11:53:00	18.2	15.7	-2.5	0.01	0.00	0.00	1.0	NE
6/28/2023 11:54:00	19.0	15.6	-3.5	0.00	0.00	0.00	1.0	ESE
6/28/2023 11:55:00	18.9	16.2	-2.7	0.00	0.00	0.00	1.0	WSW
6/28/2023 11:56:00	19.3	16.1	-3.2	0.00	0.00	0.00	1.0	N
6/28/2023 11:57:00	19.2	16.4	-2.7	0.00	0.00	0.00	1.0	W
6/28/2023 11:58:00	18.7	16.8	-1.9	0.00	0.00	0.00	1.1	WSW
6/28/2023 11:59:00	18.9	16.4	-2.5	0.00	0.00	0.00	1.2	WNW
6/28/2023 12:00:00	19.0	16.2	-2.8	0.00	0.00	0.00	1.2	NW
6/28/2023 12:01:00	18.3	15.6	-2.7	0.00	0.00	0.00	1.2	E
6/28/2023 12:02:00	17.9	15.1	-2.7	0.00	0.00	0.00	1.2	ESE
6/28/2023 12:03:00	17.6	15.2	-2.4	0.00	0.00	0.00	1.2	ESE
6/28/2023 12:04:00	17.2	15.1	-2.1	0.00	0.00	0.00	1.2	SSW
6/28/2023 12:05:00	16.0	14.5	-1.5	0.00	0.00	0.00	1.2	NW
6/28/2023 12:06:00	14.8	14.0	-0.8	0.00	0.00	0.00	1.2	NE
6/28/2023 12:07:00	14.4	13.1	-1.3	0.00	0.00	0.00	1.1	ESE
6/28/2023 12:08:00	13.3	13.5	0.3	0.00	0.00	0.00	1.1	ESE
6/28/2023 12:09:00	12.8	13.4	0.6	0.00	0.00	0.00	1.1	ESE
6/28/2023 12:10:00	12.7	12.9	0.3	0.00	0.00	0.00	1.1	ESE
6/28/2023 12:11:00	12.0	13.4	1.5	0.00	0.00	0.00	1.1	SE
6/28/2023 12:12:00	11.9	13.2	1.3	0.00	0.00	0.00	1.2	SE
6/28/2023 12:13:00	11.8	13.0	1.2	0.00	0.00	0.00	1.1	SSE
6/28/2023 12:14:00	11.3	13.5	2.2	0.00	0.00	0.00	1.1	SE
6/28/2023 12:15:00	10.8	13.9	3.1	0.00	0.00	0.00	1.0	WSW
6/28/2023 12:16:00	10.2	14.4	4.3	0.00	0.00	0.00	1.1	ESE
6/28/2023 12:17:00	10.6	13.9	3.3	0.00	0.00	0.00	1.1	NNE
6/28/2023 12:18:00	11.1	13.3	2.2	0.00	0.00	0.00	1.1	ESE
6/28/2023 12:19:00	11.2	13.3	2.2	0.00	0.00	0.00	1.1	SE
6/28/2023 12:20:00	11.1	13.5	2.4	0.00	0.00	0.00	1.1	WNW
6/28/2023 12:21:00	10.8	13.8	3.0	0.00	0.00	0.00	1.1	NW
6/28/2023 12:22:00	11.0	13.6	2.6	0.00	0.00	0.00	1.1	S

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
6/28/2023 12:23:00	11.1	13.3	2.2	0.00	0.00	0.00	1.1	SE
6/28/2023 12:24:00	10.8	13.6	2.9	0.00	0.00	0.00	1.1	WNW
6/28/2023 12:25:00	10.9	13.6	2.7	0.00	0.00	0.00	1.1	SE
6/28/2023 12:26:00	11.3	13.1	1.8	0.00	0.00	0.00	1.0	NNE
6/28/2023 12:27:00	11.7	12.7	0.9	0.00	0.00	0.00	1.0	E
6/28/2023 12:28:00	11.8	12.8	1.0	0.00	0.00	0.00	1.0	SSE
6/28/2023 12:29:00	11.9	12.7	0.9	0.00	0.00	0.00	1.0	SW
6/28/2023 12:30:00	12.4	12.4	0.1	0.00	0.00	0.00	1.0	WNW
6/28/2023 12:31:00	12.8	12.1	-0.7	0.00	0.00	0.00	1.1	ENE
6/28/2023 12:32:00	12.9	12.4	-0.5	0.00	0.00	0.00	1.1	NW
6/28/2023 12:33:00	12.7	12.6	-0.1	0.00	0.00	0.00	1.1	NNW
6/28/2023 12:34:00	12.8	12.5	-0.3	0.00	0.00	0.00	1.1	SE
6/28/2023 12:35:00	12.4	12.7	0.4	0.00	0.00	0.00	1.1	WNW
6/28/2023 12:36:00	12.3	12.6	0.2	0.00	0.00	0.00	1.1	WNW
6/28/2023 12:37:00	12.5	12.6	0.1	0.00	0.00	0.00	1.2	WNW
6/28/2023 12:38:00	12.8	13.0	0.2	0.00	0.00	0.00	1.2	W
6/28/2023 12:39:00	13.2	13.1	-0.1	0.00	0.00	0.00	1.2	WNW
6/28/2023 12:40:00	13.4	13.2	-0.3	0.00	0.00	0.00	1.3	SSW
6/28/2023 12:41:00	14.0	13.7	-0.4	0.00	0.00	0.00	1.3	W
6/28/2023 12:42:00	14.1	14.9	0.9	0.00	0.00	0.00	1.3	WNW
6/28/2023 12:43:00	14.7	14.9	0.2	0.00	0.00	0.00	1.3	W
6/28/2023 12:44:00	15.1	14.9	-0.2	0.00	0.00	0.00	1.4	W
6/28/2023 12:45:00	15.1	15.3	0.3	0.00	0.00	0.00	1.4	WNW
6/28/2023 12:46:00	15.2	15.7	0.5	0.00	0.00	0.00	1.4	N
6/28/2023 12:47:00	15.2	15.9	0.7	0.00	0.00	0.00	1.4	NW
6/28/2023 12:48:00	15.6	16.1	0.5	0.00	0.00	0.00	1.4	NNW
6/28/2023 12:49:00	15.9	16.1	0.2	0.00	0.00	0.00	1.3	WNW
6/28/2023 12:50:00	16.3	16.2	-0.1	0.00	0.00	0.00	1.3	N
6/28/2023 12:51:00	16.5	16.4	0.0	0.00	0.00	0.00	1.3	N
6/28/2023 12:52:00	16.6	16.4	-0.1	0.00	0.00	0.00	1.3	N
6/28/2023 12:53:00	16.6	16.1	-0.5	0.00	0.00	0.00	1.2	SE
6/28/2023 12:54:00	16.4	16.1	-0.3	0.00	0.00	0.00	1.2	NNW
6/28/2023 12:55:00	16.5	16.0	-0.4	0.00	0.00	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
6/28/2023 12:56:00	15.8	15.9	0.1	0.00	0.00	0.00	1.2	NW
6/28/2023 12:57:00	15.8	14.9	-0.9	0.00	0.00	0.00	1.1	SW
6/28/2023 12:58:00	15.5	14.8	-0.6	0.00	0.00	0.00	1.1	WNW
6/28/2023 12:59:00	15.4	14.8	-0.7	0.00	0.01	0.01	1.1	WSW
6/28/2023 13:00:00	15.7	14.6	-1.1	0.00	0.06	0.06	1.1	WNW
6/28/2023 13:01:00	15.8	14.9	-0.9	0.04	0.06	0.02	1.1	WNW
6/28/2023 13:02:00	16.2	15.3	-0.9	0.04	0.07	0.03	1.1	W
6/28/2023 13:03:00	16.6	15.5	-1.1	0.04	0.07	0.03	1.1	SSW
6/28/2023 13:04:00	17.3	15.9	-1.3	0.04	0.07	0.03	1.2	W
6/28/2023 13:05:00	17.4	16.1	-1.3	0.04	0.07	0.03	1.2	S
6/28/2023 13:06:00	17.5	17.5	0.0	0.04	0.07	0.03	1.2	WSW
6/28/2023 13:07:00	17.6	22.7	5.2	0.04	0.07	0.03	1.2	SW
6/28/2023 13:08:00	17.9	29.5	11.6	0.04	0.07	0.03	1.2	S
6/28/2023 13:09:00	18.4	32.0	13.6	0.04	0.07	0.03	1.3	S
6/28/2023 13:10:00	18.7	34.4	15.7	0.04	0.07	0.03	1.4	SE
6/28/2023 13:11:00	19.0	36.4	17.4	0.04	0.07	0.03	1.4	S
6/28/2023 13:12:00	19.2	38.2	18.9	0.04	0.07	0.03	1.5	W
6/28/2023 13:13:00	19.3	38.5	19.1	0.04	0.07	0.03	1.4	NW
6/28/2023 13:14:00	19.6	38.8	19.2	0.04	0.06	0.02	1.4	WSW
6/28/2023 13:15:00	19.5	40.8	21.2	0.04	0.02	-0.02	1.4	WSW
6/28/2023 13:16:00	19.7	40.6	20.9	0.00	0.01	0.01	1.3	ESE
6/28/2023 13:17:00	19.5	40.2	20.8	0.00	0.00	0.00	1.4	SE
6/28/2023 13:18:00	18.9	40.3	21.4	0.00	0.00	0.00	1.4	WNW
6/28/2023 13:19:00	18.5	40.1	21.6	0.00	0.00	0.00	1.3	W
6/28/2023 13:20:00	18.5	40.0	21.5	0.00	0.00	0.00	1.3	NNW
6/28/2023 13:21:00	18.5	38.7	20.2	0.00	0.00	0.00	1.3	WNW
6/28/2023 13:22:00	18.4	33.5	15.1	0.00	0.00	0.00	1.3	WNW
6/28/2023 13:23:00	17.9	26.6	8.7	0.00	0.00	0.00	1.3	W
6/28/2023 13:24:00	17.2	24.1	6.8	0.00	0.00	0.00	1.2	SW
6/28/2023 13:25:00	16.8	21.7	4.9	0.00	0.00	0.00	1.2	SE
6/28/2023 13:26:00	16.6	19.7	3.2	0.00	0.00	0.00	1.2	NNW
6/28/2023 13:27:00	16.5	17.9	1.4	0.00	0.00	0.00	1.2	SSW
6/28/2023 13:28:00	16.5	17.5	1.0	0.00	0.00	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
6/28/2023 13:29:00	16.1	17.0	0.9	0.00	0.00	0.00	1.2	WSW
6/28/2023 13:30:00	15.7	14.9	-0.8	0.00	0.00	0.00	1.2	WSW
6/28/2023 13:31:00	15.2	14.4	-0.8	0.00	0.00	0.00	1.4	SSW
6/28/2023 13:32:00	14.8	14.1	-0.6	0.00	0.00	0.00	1.4	NW
6/28/2023 13:33:00	14.5	13.7	-0.7	0.00	0.00	0.00	1.4	WSW
6/28/2023 13:34:00	14.1	13.4	-0.7	0.00	0.00	0.00	1.4	SSW
6/28/2023 13:35:00	14.4	13.1	-1.3	0.00	0.00	0.00	1.4	NW
6/28/2023 13:36:00	14.2	13.9	-0.3	0.00	0.00	0.00	1.4	S
6/28/2023 13:37:00	14.2	14.9	0.7	0.00	0.00	0.00	1.4	SW
6/28/2023 13:38:00	14.6	19.1	4.6	0.00	0.00	0.00	1.5	WSW
6/28/2023 13:39:00	14.7	20.4	5.7	0.00	0.00	0.00	1.5	SW
6/28/2023 13:40:00	15.3	21.5	6.3	0.00	0.00	0.00	1.5	SW
6/28/2023 13:41:00	15.4	21.8	6.4	0.00	0.00	0.00	1.4	SSE
6/28/2023 13:42:00	15.3	22.4	7.1	0.00	0.00	0.00	1.4	W
6/28/2023 13:43:00	15.4	22.5	7.0	0.00	0.00	0.00	1.4	ENE
6/28/2023 13:44:00	15.5	22.6	7.2	0.00	0.00	0.00	1.4	S
6/28/2023 13:45:00	15.4	22.8	7.5	0.00	0.00	0.00	1.3	E
6/28/2023 13:46:00	15.5	22.9	7.4	0.00	0.00	0.00	1.2	W
6/28/2023 13:47:00	15.4	22.9	7.5	0.00	0.00	0.00	1.2	WNW
6/28/2023 13:48:00	15.3	23.0	7.7	0.00	0.00	0.00	1.2	WSW
6/28/2023 13:49:00	15.3	23.5	8.2	0.00	0.00	0.00	1.1	W
6/28/2023 13:50:00	14.7	23.5	8.8	0.00	0.00	0.00	1.2	WNW
6/28/2023 13:51:00	16.0	22.4	6.4	0.00	0.00	0.00	1.2	W
6/28/2023 13:52:00	15.7	22.0	6.3	0.00	0.00	0.00	1.2	NNE
6/28/2023 13:53:00	15.8	17.6	1.9	0.00	0.00	0.00	1.1	W
6/28/2023 13:54:00	15.7	16.3	0.6	0.00	0.00	0.00	1.1	ESE
6/28/2023 13:55:00	15.2	15.1	-0.1	0.00	0.00	0.00	1.0	WNW
6/28/2023 13:56:00	14.9	14.6	-0.2	0.00	0.00	0.00	1.0	NNW
6/28/2023 13:57:00	14.6	13.9	-0.7	0.00	0.00	0.00	1.1	ESE
6/28/2023 13:58:00	14.3	13.7	-0.6	0.00	0.00	0.00	1.1	ESE
6/28/2023 13:59:00	14.1	13.7	-0.4	0.00	0.00	0.00	1.0	N
6/28/2023 14:00:00	14.0	13.5	-0.5	0.00	0.00	0.00	1.1	E
6/28/2023 14:01:00	14.0	13.6	-0.4	0.00	0.00	0.00	1.0	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
6/28/2023 14:02:00	14.1	13.7	-0.4	0.00	0.00	0.00	1.0	ESE
6/28/2023 14:03:00	14.1	13.6	-0.5	0.00	0.00	0.00	1.0	WNW
6/28/2023 14:04:00	14.2	16.0	1.8	0.00	0.00	0.00	1.0	WSW
6/28/2023 14:05:00	15.5	16.2	0.7	0.00	0.00	0.00	1.0	WNW
6/28/2023 14:06:00	14.1	16.7	2.6	0.00	0.00	0.00	0.9	NNE
6/28/2023 14:07:00	14.2	16.0	1.7	0.00	0.00	0.00	1.0	W
6/28/2023 14:08:00	13.9	16.0	2.1	0.00	0.00	0.00	1.0	WNW
6/28/2023 14:09:00	13.9	15.9	2.0	0.00	0.00	0.00	1.0	SSE
6/28/2023 14:10:00	13.8	16.4	2.6	0.00	0.00	0.00	1.0	ENE
6/28/2023 14:11:00	13.8	16.6	2.9	0.00	0.00	0.00	1.1	ENE
6/28/2023 14:12:00	13.7	16.8	3.1	0.00	0.00	0.00	1.0	ESE
6/28/2023 14:13:00	13.8	17.0	3.1	0.00	0.00	0.00	1.0	ESE
6/28/2023 14:14:00	14.1	16.9	2.8	0.00	0.00	0.00	1.1	ESE
6/28/2023 14:15:00	14.2	16.8	2.6	0.00	0.00	0.00	1.1	W
6/28/2023 14:16:00	14.1	16.7	2.5	0.00	0.00	0.00	1.2	WNW
6/28/2023 14:17:00	14.1	16.4	2.4	0.00	0.00	0.00	1.3	W
6/28/2023 14:18:00	14.1	16.3	2.3	0.00	0.00	0.00	1.3	W
6/28/2023 14:19:00	13.9	13.4	-0.5	0.00	0.00	0.00	1.3	NW
6/28/2023 14:20:00	12.4	13.0	0.6	0.00	0.00	0.00	1.3	WNW
6/28/2023 14:21:00	12.4	12.6	0.2	0.00	0.00	0.00	1.4	NW
6/28/2023 14:22:00	12.2	12.4	0.2	0.00	0.00	0.00	1.4	NNE
6/28/2023 14:23:00	12.1	12.2	0.1	0.00	0.00	0.00	1.3	WNW
6/28/2023 14:24:00	11.8	12.3	0.5	0.00	0.00	0.00	1.3	S
6/28/2023 14:25:00	11.9	11.8	-0.1	0.00	0.00	0.00	1.3	WNW
6/28/2023 14:26:00	11.8	11.3	-0.5	0.00	0.00	0.00	1.4	NW
6/28/2023 14:27:00	11.8	11.1	-0.7	0.00	0.00	0.00	1.4	WNW
6/28/2023 14:28:00	11.6	11.0	-0.7	0.00	0.00	0.00	1.4	NNW
6/28/2023 14:29:00	11.3	10.9	-0.5	0.00	0.00	0.00	1.3	W
6/28/2023 14:30:00	11.3	10.8	-0.5	0.00	0.00	0.00	1.3	WNW
6/28/2023 14:31:00	11.2	10.8	-0.4	0.00	0.00	0.00	1.2	WNW
6/28/2023 14:32:00	11.4	11.1	-0.3	0.00	0.00	0.00	1.2	NE
6/28/2023 14:33:00	11.7	11.3	-0.5	0.00	0.00	0.00	1.1	NNW
6/28/2023 14:34:00	12.0	11.7	-0.3	0.00	0.00	0.00	1.1	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
6/28/2023 14:35:00	12.6	11.9	-0.7	0.00	0.00	0.00	1.0	WNW
6/28/2023 14:36:00	12.9	12.0	-0.9	0.00	0.00	0.00	1.0	WNW
6/28/2023 14:37:00	13.1	12.2	-0.8	0.00	0.00	0.00	1.0	WNW
6/28/2023 14:38:00	13.1	12.4	-0.7	0.00	0.00	0.00	1.0	W
6/28/2023 14:39:00	13.2	12.2	-0.9	0.00	0.00	0.00	1.1	WSW
6/28/2023 14:40:00	13.1	12.3	-0.8	0.00	0.00	0.00	1.1	WNW
6/28/2023 14:41:00	13.1	12.3	-0.8	0.00	0.00	0.00	1.1	WSW
6/28/2023 14:42:00	13.1	12.3	-0.7	0.00	0.00	0.00	1.2	W
6/28/2023 14:43:00	13.0	12.4	-0.6	0.00	0.00	0.00	1.2	WSW
6/28/2023 14:44:00	13.0	12.3	-0.7	0.00	0.00	0.00	1.2	NW
6/28/2023 14:45:00	12.9	12.4	-0.5	0.00	0.00	0.00	1.1	WNW
6/28/2023 14:46:00	12.9	12.4	-0.5	0.00	0.00	0.00	1.2	N
6/28/2023 14:47:00	12.6	12.1	-0.5	0.00	0.00	0.00	1.2	NNW
6/28/2023 14:48:00	12.3	11.9	-0.3	0.00	0.00	0.00	1.2	SSW
6/28/2023 14:49:00	12.0	11.5	-0.5	0.00	0.00	0.00	1.3	WSW
6/28/2023 14:50:00	11.4	11.3	-0.1	0.00	0.00	0.00	1.2	NW
6/28/2023 14:51:00	11.0	11.1	0.1	0.00	0.00	0.00	1.2	E
6/28/2023 14:52:00	10.8	10.9	0.1	0.00	0.00	0.00	1.2	SE
6/28/2023 14:53:00	10.7	10.9	0.2	0.00	0.00	0.00	1.2	W
6/28/2023 14:54:00	10.7	10.9	0.2	0.00	0.00	0.00	1.2	WNW
6/28/2023 14:55:00	10.7	10.9	0.2	0.00	0.00	0.00	1.1	NW
6/28/2023 14:56:00	10.6	10.8	0.2	0.00	0.00	0.00	1.0	SE
6/28/2023 14:57:00	10.6	10.8	0.3	0.00	0.00	0.00	0.9	SW
6/28/2023 14:58:00	10.6	10.8	0.2	0.00	0.00	0.00	0.9	NE
6/28/2023 14:59:00	10.6	10.9	0.4	0.00	0.00	0.00	0.9	NW
6/28/2023 15:00:00	10.7	10.8	0.1	0.00	0.00	0.00	0.9	W
6/28/2023 15:01:00	10.8	10.7	-0.1	0.00	0.00	0.00	0.9	SE
6/28/2023 15:02:00	10.8	10.7	-0.2	0.00	0.00	0.00	1.0	SW
6/28/2023 15:03:00	10.7	10.8	0.1	0.00	0.00	0.00	0.9	NW
6/28/2023 15:04:00	10.7	10.9	0.2	0.00	0.00	0.00	0.8	NW
6/28/2023 15:05:00	10.6	10.2	-0.4	0.00	0.00	0.00	0.9	N
6/28/2023 15:06:00	10.6	9.5	-1.0	0.00	0.00	0.00	0.9	NW
6/28/2023 15:07:00	10.7	9.4	-1.3	0.00	0.00	0.00	1.0	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
6/28/2023 15:08:00	10.6	9.6	-1.0	0.00	0.00	0.00	0.9	E
6/28/2023 15:09:00	10.5	9.7	-0.8	0.00	0.00	0.00	1.0	WNW
6/28/2023 15:10:00	10.5	9.7	-0.8	0.00	0.00	0.00	1.0	NW
6/28/2023 15:11:00	10.5	9.6	-0.9	0.00	0.00	0.00	0.9	SE
6/28/2023 15:12:00	10.5	9.6	-0.9	0.00	0.00	0.00	0.9	ESE
6/28/2023 15:13:00	10.5	9.6	-0.9	0.00	0.00	0.00	0.9	WNW
6/28/2023 15:14:00	10.6	9.5	-1.1	0.00	0.00	0.00	1.0	WNW
6/28/2023 15:15:00	10.5	9.6	-0.8	0.00	0.00	0.00	0.9	ENE
6/28/2023 15:16:00	10.4	9.0	-1.4	0.00	0.00	0.00	1.0	ESE
6/28/2023 15:17:00	10.4	8.3	-2.1	0.00	0.00	0.00	1.0	WNW

# Updated: Air Quality Health Advisory Issued for All Regions of New York State In Effect for Wednesday, June 28, 2023

New York State Department of Environmental Conservation (DEC) Commissioner Basil Seggos and State Department of Health (DOH) Commissioner Dr. James McDonald issued an updated Air Quality Health Advisory now including **all regions across the State for Wednesday, June 28, 2023.**

**Air quality is forecasted to reach 'Unhealthy' Air Quality Index (AQI) levels on Wednesday for Western and Central New York and Eastern Lake Ontario. At this level, everyone may begin to experience health effects, members of sensitive groups may experience more serious health effects. Air quality is forecasted to reach 'Unhealthy for Sensitive Groups' in the remaining regions of the State. At this level, members of sensitive groups may experience health effects. The general public is not likely to be affected. [See chart on DEC's website.](#)**

The pollutant of concern is: **Fine Particulate Matter (due to Canadian wildfires)**

The advisory will be in effect from **12 a.m. through 11:59 p.m.**

DEC and DOH issue Air Quality Health Advisories when DEC meteorologists predict levels of pollution, either ozone or fine particulate matter are expected to exceed an Air Quality Index (AQI) value of 100. The AQI was created as an easy way to correlate levels of different pollutants to one scale, with a higher AQI value indicating a greater health concern. DEC and DOH issue Air Quality Health Advisories and corresponding guidelines based on 24-hour forecasts, although one-hour values may exceed forecast values in these regions.

## FINE PARTICULATE MATTER

Fine particulate matter consists of tiny solid particles or liquid droplets in the air that are 2.5 microns or less in diameter. PM 2.5 can be made of many different types of particles and often come from processes that involve combustion (e.g. vehicle exhaust, power plants, and fires) and from chemical reactions in the atmosphere.

Exposure can cause short-term health effects such as irritation to the eyes, nose, and throat, coughing, sneezing, runny nose, and shortness of breath. Exposure to elevated levels of fine particulate matter can also worsen medical conditions such as asthma and heart disease. People with heart or breathing problems, and children and the elderly may be particularly sensitive to PM 2.5.

When outdoor levels are elevated, going indoors may reduce exposure. If there are significant indoor sources of PM 2.5 (tobacco, candle or incense smoke, or fumes from cooking) levels inside may not be lower than outside. Some ways to reduce exposure are to minimize outdoor and indoor sources and avoid strenuous activities in areas where fine particle concentrations are high.

New Yorkers also are urged to take the following energy saving and pollution-reducing steps:

- use mass transit instead of driving, as automobile emissions account for about 60 percent of pollution in our cities.
- conserve fuel and reduce exhaust emissions by combining necessary motor vehicle trips;
- turn off all lights and electrical appliances in unoccupied areas;
- use fans to circulate air. If air conditioning is necessary, set thermostats at 78 degrees;
- close the blinds and shades to limit heat build-up and to preserve cooled air;
- limit use of household appliances. If necessary, run the appliances at off-peak (after 7 p.m.) hours. These would include dishwashers, dryers, pool pumps and water heaters;
- set refrigerators and freezers at more efficient temperatures;
- purchase and install energy efficient lighting and appliances with the Energy Star label; and
- reduce or eliminate outdoor burning and attempt to minimize indoor sources of PM 2.5 such as smoking.

Additional [information on ozone](#) and [PM 2.5](#) is available on DEC's website and on [DOH's website](#) (leaves DEC website). To stay up-to-date with announcements from DEC, sign up for [DEC Delivers: DEC's Premier Email Service](#).

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