

DAILY FIELD REPORT 008

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	June 8, 2023
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	7:00 am to 3:30 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	Langan Field Personnel: Caitlyn Dempsey (Environmental)
Construction Manager: Consigli Construction Co., Inc. (Consigli)	
Foundation Contractor: Urban Foundation/Engineering (Urban)	

Work Activities Performed:

- Urban excavated an about 15-foot-long by 5-foot-wide area to about 5 feet below grade surface (bgs) in the northern part of waste characterization grid WC03_0-5. Excavated soil/fill was graded adjacent to the excavation.
- Urban excavated an about 10-foot-long by 10-foot-wide area to about 5 feet bgs in the southern part of waste characterization grid WC03_0-5. Excavated soil/fill was graded adjacent to the excavation area.
- All excavated 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 demolished concrete in the northern parts of waste characterization grids WC02 and WC03. Concrete and demolition debris (C&D) was separated and stockpiled in the southeastern area of waste characterization grid WC02. Dust suppression measures (i.e., misting and spraying of concrete with water) were employed by Urban during the work.

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
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)
	18	360	17	340	-	-	10	200

Samples Collected:

- No samples were collected.

Air Monitoring:

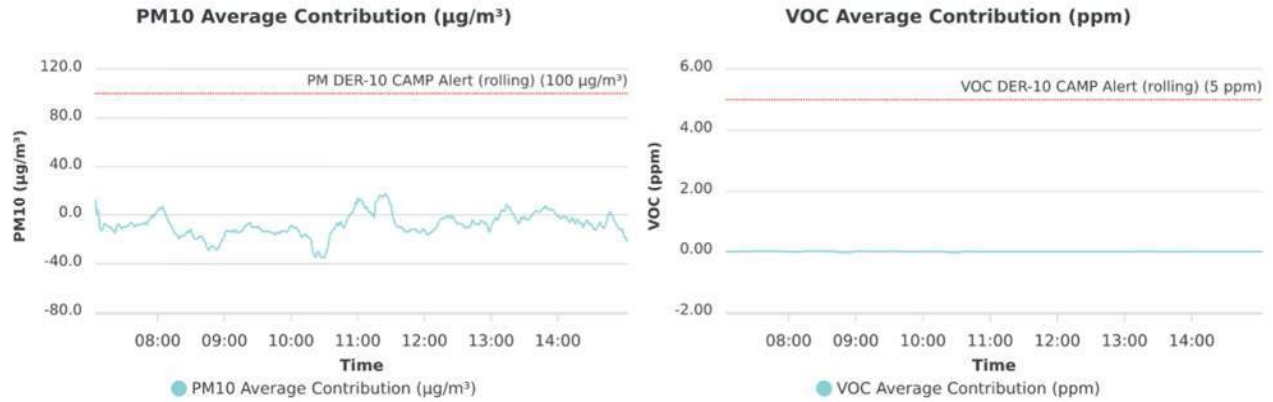
The 15-minute average site contributions for particulates and volatile organic compounds (VOCs) are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m³ for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action levels of 100 µg/m³ and 5 ppm, respectively, on this day.

Please note the New York State Department of Environmental Conservation and State Department of Health (DOH) issued an Air Quality Health Advisory for the Long Island, New York City Metro, and Western New York regions for Thursday, June 8, 2023. Ambient air quality conditions may have affected air monitoring results.

Particulate Monitoring (µg/m ³)		Organic Vapor Monitoring (ppm)	
Daily Background	113.4	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-35.0	VOC Average Site Contribution (Minimum)	-0.03
PM10 Average Site Contribution (Maximum)	18.0	VOC Average Site Contribution (Maximum)	0.02

µg/m³: micrograms per cubic meter.

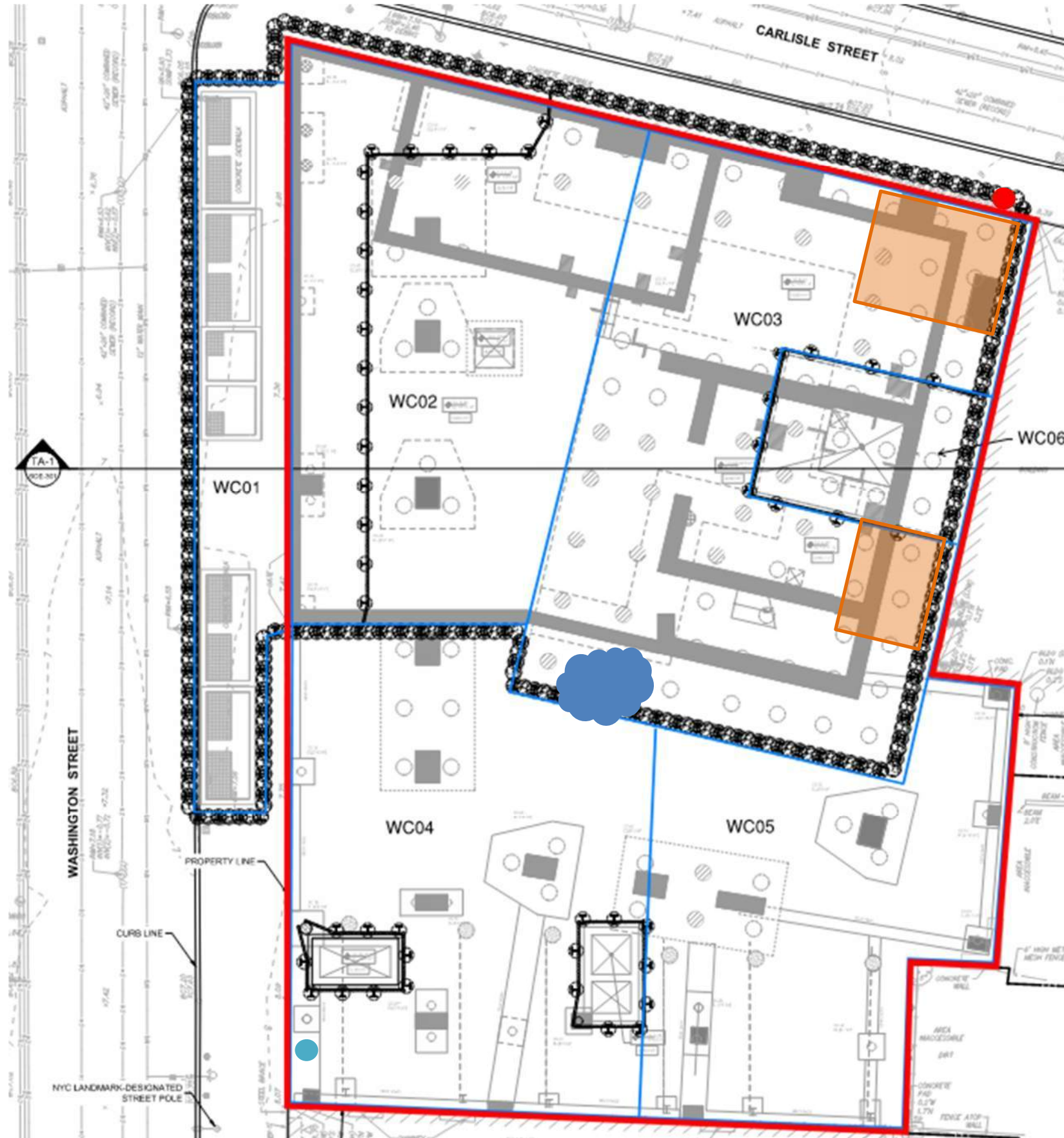
ppm: parts per million.












Planned Activities:

- Urban will continue excavating in grids WC03_COMP_0-5, WC04_COMP_0-5, and WC05_COMP_0-5.
- Urban will demolish concrete in the northern part of the site.
- Urban will export C&D debris and soil/fill from 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

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

Photo Log

Photo 1: Langan performing VOC monitoring with a PID during soil excavation in the northern part of waste characterization grid WC03_0-5 (facing east).



Photo 2: Urban spraying water for dust suppression while breaking up concrete in the northern part of WC02 (facing north).



Photo 3: View of Urban excavating soil in the northern part of waste characterization grid WC03_0-5 (facing southeast).



Photo 4: View of the site entrance/exit along Washington Street at the end of the work day (facing northeast).



Photo 5: View of CAMP Station 1 in the northern part of the site (facing west).

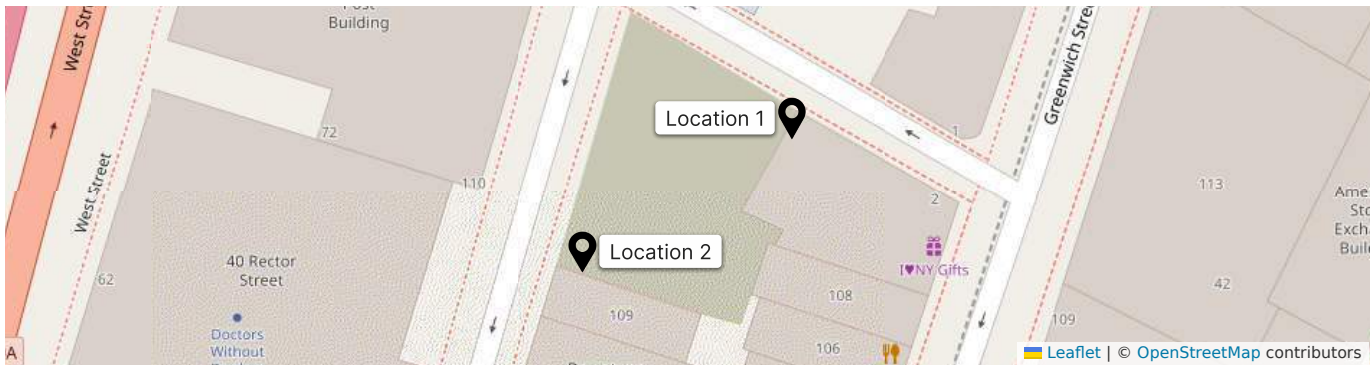


Photo 6: View of CAMP Station 2 in the southwestern part of the site (facing southeast).

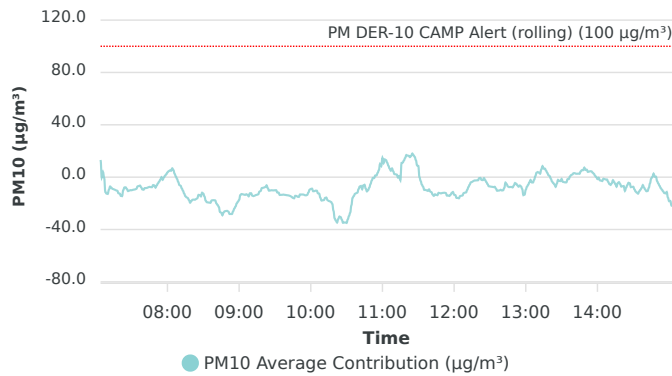


	<h2 style="margin: 0;">Air Monitoring Report</h2>	170695201 - 111 Washington St	
		Report Period	
		From:	6/8/2023 06:00
		To:	6/8/2023 18:00
		PM10 Action Level:	100 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5 ppm		

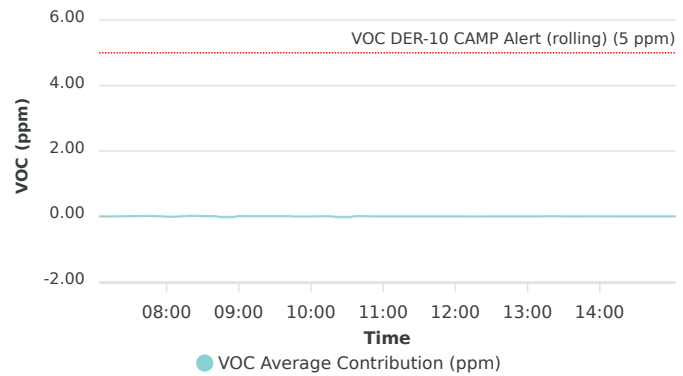
Daily Environmental Summary	Temp (°F)	Relative Humidity (%)	Barometer (inHg)	Windspeed (mph)	Prevailing wind direction
6/8/2023	-	-	-	0.4-3.1	NE



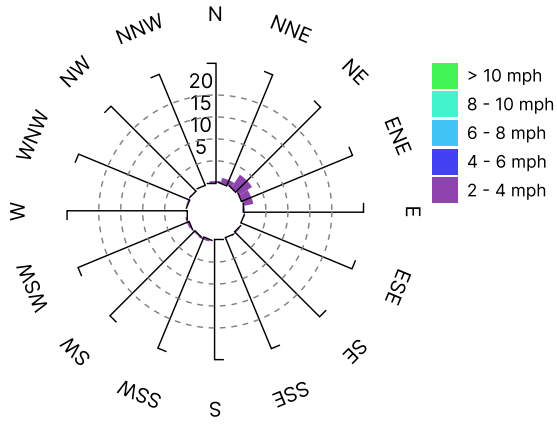
PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)



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
6/8/2023 07:03:00							0.9	N
6/8/2023 07:04:00	113.4	126.5	13.1	0.00	0.00	0.00	1.0	NW
6/8/2023 07:05:00	119.2	118.9	-0.3	0.00	0.00	0.00	0.9	ENE
6/8/2023 07:06:00	116.5	120.4	4.0	0.00	0.00	0.00	0.9	WSW
6/8/2023 07:07:00	117.9	117.6	-0.4	0.00	0.00	0.00	1.0	E
6/8/2023 07:08:00	127.1	115.7	-11.4	0.00	0.00	0.00	1.0	ENE
6/8/2023 07:09:00	127.1	114.5	-12.6	0.00	0.00	0.00	1.1	NE
6/8/2023 07:10:00	127.0	114.2	-12.8	0.00	0.00	0.00	1.1	NE
6/8/2023 07:11:00	124.9	115.4	-9.6	0.01	0.00	-0.00	1.0	WNW
6/8/2023 07:12:00	123.1	116.0	-7.1	0.01	0.00	-0.00	1.1	W
6/8/2023 07:13:00	123.0	114.9	-8.1	0.01	0.00	-0.00	1.1	NE
6/8/2023 07:14:00	123.1	114.1	-8.9	0.00	0.00	0.00	1.1	NNE
6/8/2023 07:15:00	122.9	113.7	-9.3	0.00	0.01	0.00	1.1	NE
6/8/2023 07:16:00	122.6	112.9	-9.6	0.00	0.01	0.00	1.0	NNE
6/8/2023 07:17:00	122.3	112.2	-10.1	0.00	0.01	0.00	1.0	NNE
6/8/2023 07:18:00	122.0	111.6	-10.4	0.00	0.01	0.00	1.1	NE
6/8/2023 07:19:00	122.3	109.9	-12.3	0.00	0.01	0.00	1.1	NNE
6/8/2023 07:20:00	121.7	109.2	-12.5	0.00	0.01	0.00	1.1	NE
6/8/2023 07:21:00	122.0	107.6	-14.4	0.00	0.01	0.01	1.1	NE
6/8/2023 07:22:00	121.5	107.0	-14.5	0.00	0.01	0.01	1.0	NE
6/8/2023 07:23:00	117.3	107.4	-9.9	0.00	0.01	0.01	1.0	WNW
6/8/2023 07:24:00	115.6	107.8	-7.8	0.00	0.01	0.00	1.0	WSW
6/8/2023 07:25:00	114.8	107.0	-7.8	0.00	0.01	0.01	1.0	NE
6/8/2023 07:26:00	115.1	106.1	-9.0	0.00	0.01	0.01	1.0	NE
6/8/2023 07:27:00	115.7	105.0	-10.7	0.00	0.01	0.01	1.1	ENE
6/8/2023 07:28:00	115.3	105.0	-10.3	0.00	0.01	0.01	1.1	NE
6/8/2023 07:29:00	115.1	105.2	-9.9	0.00	0.01	0.01	1.1	ENE
6/8/2023 07:30:00	115.3	105.3	-10.0	0.00	0.01	0.01	1.2	NE
6/8/2023 07:31:00	115.6	105.9	-9.7	0.00	0.01	0.01	1.3	ENE
6/8/2023 07:32:00	115.8	106.3	-9.5	0.00	0.01	0.01	1.3	ENE
6/8/2023 07:33:00	116.5	107.2	-9.3	0.00	0.01	0.01	1.3	NE
6/8/2023 07:34:00	117.0	108.1	-8.9	0.00	0.01	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
6/8/2023 07:35:00	116.8	109.8	-7.0	0.00	0.01	0.01	1.3	NW
6/8/2023 07:36:00	117.5	110.7	-6.8	0.00	0.01	0.01	1.3	NE
6/8/2023 07:37:00	118.3	111.9	-6.4	0.00	0.01	0.01	1.4	ENE
6/8/2023 07:38:00	120.0	112.2	-7.8	0.00	0.02	0.01	1.4	NNE
6/8/2023 07:39:00	121.7	112.3	-9.4	0.00	0.02	0.01	1.4	NE
6/8/2023 07:40:00	122.6	113.0	-9.6	0.00	0.02	0.02	1.4	ENE
6/8/2023 07:41:00	122.4	114.0	-8.3	0.00	0.02	0.01	1.4	SW
6/8/2023 07:42:00	122.9	114.6	-8.3	0.00	0.02	0.01	1.3	ENE
6/8/2023 07:43:00	123.5	115.3	-8.2	0.00	0.02	0.01	1.3	ENE
6/8/2023 07:44:00	123.8	116.1	-7.7	0.00	0.02	0.01	1.2	NE
6/8/2023 07:45:00	123.8	116.4	-7.4	0.00	0.02	0.01	1.2	E
6/8/2023 07:46:00	124.1	116.5	-7.6	0.00	0.02	0.01	1.1	ENE
6/8/2023 07:47:00	124.3	116.6	-7.7	0.00	0.02	0.01	1.0	N
6/8/2023 07:48:00	123.4	117.3	-6.1	0.00	0.02	0.01	1.0	W
6/8/2023 07:49:00	123.4	117.0	-6.3	0.00	0.02	0.01	1.0	ENE
6/8/2023 07:50:00	124.4	116.4	-8.0	0.00	0.02	0.01	1.0	N
6/8/2023 07:51:00	123.9	117.5	-6.3	0.00	0.02	0.01	1.0	WNW
6/8/2023 07:52:00	123.1	118.3	-4.8	0.01	0.01	0.01	1.0	WNW
6/8/2023 07:53:00	122.5	119.1	-3.5	0.01	0.01	0.01	1.0	W
6/8/2023 07:54:00	122.1	120.1	-2.0	0.01	0.01	0.00	1.1	WSW
6/8/2023 07:55:00	121.5	121.5	-0.0	0.01	0.01	0.00	1.1	WNW
6/8/2023 07:56:00	123.1	121.1	-2.0	0.01	0.01	0.00	1.1	NNW
6/8/2023 07:57:00	122.5	122.3	-0.2	0.01	0.01	0.00	1.1	WNW
6/8/2023 07:58:00	122.1	123.2	1.1	0.01	0.01	-0.00	1.2	WSW
6/8/2023 07:59:00	121.7	123.9	2.2	0.01	0.01	-0.00	1.2	W
6/8/2023 08:00:00	121.5	125.2	3.6	0.01	0.01	-0.01	1.3	WNW
6/8/2023 08:01:00	121.7	126.2	4.5	0.01	0.01	-0.01	1.3	WSW
6/8/2023 08:02:00	122.4	127.5	5.1	0.02	0.00	-0.01	1.3	NW
6/8/2023 08:03:00	123.1	128.0	4.9	0.02	0.00	-0.01	1.3	WNW
6/8/2023 08:04:00	122.5	129.2	6.7	0.02	0.00	-0.01	1.3	SSW
6/8/2023 08:05:00	123.6	129.1	5.4	0.02	0.00	-0.01	1.3	ENE
6/8/2023 08:06:00	125.5	128.0	2.5	0.02	0.00	-0.01	1.4	NNE
6/8/2023 08:07:00	126.6	127.2	0.6	0.01	0.01	-0.01	1.4	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
6/8/2023 08:08:00	127.6	126.3	-1.3	0.01	0.01	-0.01	1.4	E
6/8/2023 08:09:00	128.8	125.2	-3.6	0.01	0.01	-0.00	1.5	NE
6/8/2023 08:10:00	130.1	124.0	-6.1	0.01	0.01	-0.00	1.6	NE
6/8/2023 08:11:00	130.3	123.8	-6.5	0.01	0.01	-0.00	1.6	NNE
6/8/2023 08:12:00	131.2	122.7	-8.6	0.01	0.01	0.00	1.6	NE
6/8/2023 08:13:00	132.0	121.6	-10.4	0.01	0.01	0.00	1.6	ESE
6/8/2023 08:14:00	133.0	120.4	-12.6	0.01	0.01	0.01	1.6	ENE
6/8/2023 08:15:00	133.7	119.1	-14.6	0.01	0.01	0.01	1.6	E
6/8/2023 08:16:00	133.6	118.2	-15.4	0.00	0.02	0.01	1.6	N
6/8/2023 08:17:00	133.1	117.1	-16.0	0.00	0.02	0.01	1.6	ENE
6/8/2023 08:18:00	133.2	115.7	-17.5	0.00	0.02	0.02	1.6	SSE
6/8/2023 08:19:00	133.9	114.4	-19.5	0.00	0.02	0.02	1.7	NE
6/8/2023 08:20:00	132.3	114.1	-18.2	0.00	0.02	0.02	1.7	E
6/8/2023 08:21:00	130.9	113.6	-17.3	0.00	0.02	0.02	1.7	NE
6/8/2023 08:22:00	130.3	113.1	-17.1	0.00	0.02	0.02	1.8	ENE
6/8/2023 08:23:00	129.8	112.6	-17.3	0.00	0.02	0.02	1.7	ENE
6/8/2023 08:24:00	128.8	112.1	-16.7	0.00	0.02	0.02	1.6	NE
6/8/2023 08:25:00	127.7	111.6	-16.1	0.00	0.02	0.02	1.5	NE
6/8/2023 08:26:00	125.6	112.0	-13.6	0.00	0.02	0.01	1.5	W
6/8/2023 08:27:00	125.1	111.4	-13.7	0.00	0.02	0.01	1.5	NNW
6/8/2023 08:28:00	125.5	110.8	-14.7	0.00	0.01	0.01	1.5	NE
6/8/2023 08:29:00	123.5	111.6	-11.9	0.00	0.01	0.01	1.6	WNW
6/8/2023 08:30:00	123.5	110.9	-12.6	0.00	0.01	0.01	1.6	NE
6/8/2023 08:31:00	124.9	110.1	-14.8	0.00	0.01	0.01	1.6	NE
6/8/2023 08:32:00	127.5	109.5	-18.0	0.00	0.01	0.01	1.6	ENE
6/8/2023 08:33:00	127.9	108.7	-19.2	0.00	0.01	0.01	1.6	ESE
6/8/2023 08:34:00	127.5	108.1	-19.3	0.00	0.01	0.01	1.6	NE
6/8/2023 08:35:00	127.1	107.7	-19.4	0.00	0.01	0.01	1.6	NNE
6/8/2023 08:36:00	126.9	107.3	-19.6	0.00	0.01	0.01	1.5	ENE
6/8/2023 08:37:00	125.5	107.7	-17.8	0.00	0.01	0.01	1.5	NW
6/8/2023 08:38:00	124.9	107.3	-17.6	0.01	0.01	0.01	1.5	NE
6/8/2023 08:39:00	124.5	106.9	-17.6	0.01	0.02	0.01	1.6	NE
6/8/2023 08:40:00	124.2	106.4	-17.8	0.01	0.02	0.01	1.6	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
6/8/2023 08:41:00	125.2	105.1	-20.1	0.02	0.02	0.00	1.6	ENE
6/8/2023 08:42:00	126.2	104.9	-21.3	0.02	0.02	-0.00	1.5	ENE
6/8/2023 08:43:00	127.5	104.8	-22.8	0.03	0.02	-0.01	1.5	NE
6/8/2023 08:44:00	130.1	103.5	-26.7	0.04	0.02	-0.02	1.5	NE
6/8/2023 08:45:00	130.6	103.4	-27.2	0.05	0.02	-0.02	1.5	ENE
6/8/2023 08:46:00	132.6	103.5	-29.1	0.05	0.02	-0.02	1.5	NNE
6/8/2023 08:47:00	130.4	103.4	-27.0	0.05	0.02	-0.02	1.5	NNE
6/8/2023 08:48:00	129.6	103.6	-26.1	0.05	0.02	-0.02	1.5	ENE
6/8/2023 08:49:00	129.5	103.7	-25.9	0.05	0.02	-0.02	1.5	N
6/8/2023 08:50:00	129.4	103.6	-25.8	0.05	0.02	-0.03	1.5	ENE
6/8/2023 08:51:00	129.8	103.5	-26.3	0.05	0.02	-0.03	1.5	E
6/8/2023 08:52:00	130.7	102.5	-28.1	0.05	0.02	-0.02	1.5	NNE
6/8/2023 08:53:00	130.5	102.4	-28.1	0.04	0.02	-0.02	1.5	NE
6/8/2023 08:54:00	130.4	102.3	-28.2	0.04	0.02	-0.03	1.5	SE
6/8/2023 08:55:00	129.1	103.0	-26.0	0.04	0.01	-0.02	1.5	SW
6/8/2023 08:56:00	127.5	103.5	-24.0	0.03	0.01	-0.02	1.5	SSW
6/8/2023 08:57:00	125.6	103.2	-22.4	0.03	0.01	-0.01	1.4	SSE
6/8/2023 08:58:00	122.8	102.7	-20.0	0.02	0.01	-0.00	1.4	E
6/8/2023 08:59:00	120.9	102.1	-18.8	0.01	0.01	0.01	1.4	NE
6/8/2023 09:00:00	118.9	101.5	-17.4	0.00	0.01	0.01	1.4	NNE
6/8/2023 09:01:00	114.5	100.8	-13.7	0.00	0.01	0.01	1.4	ENE
6/8/2023 09:02:00	113.0	100.1	-12.9	0.00	0.01	0.01	1.4	NE
6/8/2023 09:03:00	112.7	99.6	-13.1	0.00	0.01	0.01	1.3	NE
6/8/2023 09:04:00	112.6	99.2	-13.3	0.00	0.01	0.01	1.3	E
6/8/2023 09:05:00	112.3	98.7	-13.6	0.00	0.01	0.01	1.3	NE
6/8/2023 09:06:00	111.2	98.1	-13.1	0.00	0.01	0.01	1.3	NE
6/8/2023 09:07:00	111.2	97.7	-13.5	0.00	0.01	0.01	1.3	ENE
6/8/2023 09:08:00	111.7	97.1	-14.6	0.00	0.01	0.01	1.3	NNE
6/8/2023 09:09:00	110.0	97.6	-12.3	0.00	0.01	0.01	1.4	WSW
6/8/2023 09:10:00	109.5	97.2	-12.3	0.00	0.01	0.01	1.3	NW
6/8/2023 09:11:00	109.9	95.8	-14.1	0.00	0.01	0.01	1.3	NE
6/8/2023 09:12:00	109.6	95.1	-14.5	0.00	0.01	0.01	1.3	ENE
6/8/2023 09:13:00	108.9	94.7	-14.2	0.00	0.01	0.01	1.3	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
6/8/2023 09:14:00	107.9	94.3	-13.7	0.00	0.01	0.01	1.4	NNE
6/8/2023 09:15:00	107.2	93.7	-13.5	0.00	0.01	0.01	1.4	NNE
6/8/2023 09:16:00	106.4	93.3	-13.1	0.00	0.01	0.01	1.4	NNE
6/8/2023 09:17:00	104.7	93.6	-11.1	0.00	0.01	0.01	1.4	WNW
6/8/2023 09:18:00	103.6	93.0	-10.6	0.00	0.01	0.01	1.4	NNW
6/8/2023 09:19:00	101.5	93.2	-8.3	0.00	0.01	0.01	1.4	NNW
6/8/2023 09:20:00	100.6	92.4	-8.2	0.00	0.01	0.01	1.4	ENE
6/8/2023 09:21:00	99.7	91.8	-7.9	0.00	0.01	0.01	1.4	NE
6/8/2023 09:22:00	98.6	91.1	-7.5	0.00	0.01	0.01	1.4	N
6/8/2023 09:23:00	97.0	90.7	-6.3	0.00	0.01	0.01	1.4	NE
6/8/2023 09:24:00	97.5	89.1	-8.4	0.00	0.01	0.01	1.4	NE
6/8/2023 09:25:00	97.9	87.6	-10.3	0.00	0.01	0.01	1.4	NE
6/8/2023 09:26:00	97.3	87.1	-10.2	0.00	0.01	0.01	1.4	ENE
6/8/2023 09:27:00	96.5	86.4	-10.0	0.00	0.01	0.01	1.4	NNE
6/8/2023 09:28:00	95.8	85.7	-10.1	0.00	0.01	0.01	1.4	ENE
6/8/2023 09:29:00	95.2	85.0	-10.1	0.00	0.01	0.01	1.3	NNE
6/8/2023 09:30:00	94.5	84.5	-10.0	0.00	0.01	0.01	1.2	NNW
6/8/2023 09:31:00	93.9	83.9	-10.0	0.00	0.01	0.01	1.2	ENE
6/8/2023 09:32:00	94.2	82.4	-11.8	0.00	0.01	0.01	1.3	E
6/8/2023 09:33:00	93.5	81.7	-11.8	0.00	0.01	0.01	1.2	ENE
6/8/2023 09:34:00	93.7	80.1	-13.6	0.00	0.01	0.01	1.2	ENE
6/8/2023 09:35:00	93.1	79.6	-13.5	0.00	0.01	0.01	1.2	ENE
6/8/2023 09:36:00	92.4	78.9	-13.5	0.00	0.01	0.01	1.2	NE
6/8/2023 09:37:00	91.7	78.3	-13.3	0.00	0.01	0.01	1.2	NE
6/8/2023 09:38:00	91.1	77.6	-13.5	0.00	0.01	0.01	1.3	NE
6/8/2023 09:39:00	90.6	77.0	-13.6	0.00	0.01	0.01	1.2	NE
6/8/2023 09:40:00	90.1	76.3	-13.8	0.00	0.01	0.01	1.2	E
6/8/2023 09:41:00	89.6	75.7	-13.9	0.00	0.01	0.01	1.2	E
6/8/2023 09:42:00	89.2	75.1	-14.1	0.00	0.01	0.01	1.2	ENE
6/8/2023 09:43:00	89.0	74.5	-14.5	0.00	0.01	0.01	1.2	NE
6/8/2023 09:44:00	89.0	73.9	-15.1	0.00	0.01	0.00	1.3	NE
6/8/2023 09:45:00	89.1	73.3	-15.8	0.01	0.01	0.00	1.3	NE
6/8/2023 09:46:00	89.0	72.8	-16.2	0.01	0.01	-0.00	1.3	NNE

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
6/8/2023 09:47:00	87.5	73.3	-14.3	0.01	0.01	-0.00	1.3	WNW
6/8/2023 09:48:00	87.1	72.7	-14.4	0.01	0.00	-0.00	1.4	NNE
6/8/2023 09:49:00	87.0	72.0	-15.0	0.01	0.00	-0.00	1.4	NE
6/8/2023 09:50:00	86.5	71.4	-15.1	0.01	0.00	-0.00	1.4	NNE
6/8/2023 09:51:00	84.9	71.7	-13.2	0.01	0.00	-0.00	1.3	NW
6/8/2023 09:52:00	84.3	71.1	-13.3	0.01	0.00	-0.00	1.4	ENE
6/8/2023 09:53:00	83.9	70.7	-13.3	0.01	0.00	-0.01	1.3	ENE
6/8/2023 09:54:00	83.4	70.1	-13.3	0.01	0.00	-0.01	1.3	NE
6/8/2023 09:55:00	83.4	69.6	-13.8	0.01	0.00	-0.01	1.3	NNE
6/8/2023 09:56:00	83.2	69.3	-13.9	0.01	0.00	-0.01	1.3	N
6/8/2023 09:57:00	82.4	68.9	-13.6	0.01	0.00	-0.01	1.4	NNE
6/8/2023 09:58:00	80.8	69.1	-11.8	0.01	0.00	-0.01	1.3	WNW
6/8/2023 09:59:00	78.9	69.3	-9.6	0.01	0.00	-0.01	1.3	NNW
6/8/2023 10:00:00	77.8	68.8	-9.0	0.00	0.00	-0.00	1.3	ENE
6/8/2023 10:01:00	77.0	68.3	-8.8	0.00	0.00	0.00	1.3	NE
6/8/2023 10:02:00	77.5	66.7	-10.8	0.00	0.00	0.00	1.2	ESE
6/8/2023 10:03:00	77.0	66.3	-10.7	0.00	0.00	0.00	1.2	ENE
6/8/2023 10:04:00	76.3	66.0	-10.3	0.00	0.00	0.00	1.2	NE
6/8/2023 10:05:00	76.0	65.6	-10.3	0.00	0.00	0.00	1.2	NE
6/8/2023 10:06:00	76.7	64.3	-12.3	0.00	0.00	0.00	1.3	NNE
6/8/2023 10:07:00	76.4	63.8	-12.6	0.00	0.00	0.00	1.3	NE
6/8/2023 10:08:00	78.8	63.0	-15.8	0.00	0.00	0.00	1.3	ENE
6/8/2023 10:09:00	80.1	62.2	-17.9	0.00	0.00	0.00	1.3	NE
6/8/2023 10:10:00	79.2	61.5	-17.7	0.00	0.00	0.00	1.4	NE
6/8/2023 10:11:00	78.2	60.7	-17.5	0.00	0.00	0.00	1.3	NNE
6/8/2023 10:12:00	76.5	60.7	-15.8	0.00	0.00	0.00	1.3	WNW
6/8/2023 10:13:00	75.7	60.1	-15.6	0.00	0.00	0.00	1.3	SSE
6/8/2023 10:14:00	75.9	58.4	-17.6	0.00	0.00	0.00	1.2	ENE
6/8/2023 10:15:00	75.5	57.3	-18.2	0.00	0.00	0.00	1.2	NNE
6/8/2023 10:16:00	74.7	56.2	-18.5	0.00	0.00	0.00	1.2	E
6/8/2023 10:17:00	74.4	55.4	-19.0	0.00	0.00	0.00	1.2	ESE
6/8/2023 10:18:00	74.7	54.3	-20.4	0.00	0.00	-0.00	1.3	NE
6/8/2023 10:19:00	78.8	53.2	-25.7	0.01	0.00	-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
6/8/2023 10:20:00	83.8	52.2	-31.6	0.02	0.00	-0.01	1.3	E
6/8/2023 10:21:00	84.7	51.5	-33.2	0.02	0.00	-0.02	1.3	E
6/8/2023 10:22:00	85.5	50.8	-34.7	0.02	0.00	-0.02	1.3	NNE
6/8/2023 10:23:00	82.2	50.3	-32.0	0.03	0.00	-0.03	1.3	NE
6/8/2023 10:24:00	79.8	49.7	-30.1	0.03	0.00	-0.03	1.2	NNE
6/8/2023 10:25:00	79.6	49.1	-30.5	0.03	0.00	-0.03	1.3	NE
6/8/2023 10:26:00	81.0	48.4	-32.5	0.03	0.00	-0.03	1.3	NE
6/8/2023 10:27:00	82.2	47.3	-34.9	0.03	0.00	-0.03	1.4	ENE
6/8/2023 10:28:00	81.9	47.2	-34.7	0.03	0.00	-0.03	1.4	NW
6/8/2023 10:29:00	81.7	47.1	-34.6	0.03	0.00	-0.03	1.4	SE
6/8/2023 10:30:00	81.8	46.8	-35.0	0.03	0.00	-0.03	1.4	E
6/8/2023 10:31:00	80.5	48.3	-32.2	0.03	0.00	-0.03	1.4	SW
6/8/2023 10:32:00	78.8	49.2	-29.6	0.03	0.00	-0.03	1.4	WNW
6/8/2023 10:33:00	77.4	50.3	-27.1	0.02	0.00	-0.02	1.3	W
6/8/2023 10:34:00	72.5	51.0	-21.5	0.02	0.00	-0.01	1.3	NNE
6/8/2023 10:35:00	67.1	51.3	-15.8	0.01	0.01	-0.00	1.3	ENE
6/8/2023 10:36:00	65.6	51.2	-14.4	0.00	0.01	0.00	1.3	ENE
6/8/2023 10:37:00	64.3	51.5	-12.8	0.00	0.01	0.01	1.3	ENE
6/8/2023 10:38:00	64.0	51.8	-12.3	0.00	0.01	0.01	1.3	E
6/8/2023 10:39:00	63.7	51.8	-11.9	0.00	0.01	0.01	1.3	SE
6/8/2023 10:40:00	61.8	52.7	-9.1	0.00	0.01	0.01	1.2	SW
6/8/2023 10:41:00	59.7	52.6	-7.1	0.00	0.01	0.01	1.2	SSE
6/8/2023 10:42:00	59.0	52.3	-6.7	0.00	0.01	0.01	1.1	NE
6/8/2023 10:43:00	61.1	51.9	-9.2	0.00	0.01	0.01	1.2	NE
6/8/2023 10:44:00	61.5	55.3	-6.3	0.00	0.01	0.01	1.2	W
6/8/2023 10:45:00	61.8	56.0	-5.8	0.00	0.01	0.01	1.2	NNW
6/8/2023 10:46:00	63.3	54.5	-8.8	0.00	0.01	0.01	1.2	NNW
6/8/2023 10:47:00	64.2	53.3	-10.9	0.00	0.01	0.01	1.2	SE
6/8/2023 10:48:00	63.1	53.2	-9.9	0.00	0.01	0.01	1.2	SSW
6/8/2023 10:49:00	61.5	53.5	-8.0	0.00	0.00	0.00	1.1	WSW
6/8/2023 10:50:00	59.7	54.5	-5.3	0.00	0.00	0.00	1.1	SSW
6/8/2023 10:51:00	58.2	55.6	-2.6	0.00	0.00	0.00	1.1	SW
6/8/2023 10:52:00	56.6	56.0	-0.6	0.00	0.00	0.00	1.1	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
6/8/2023 10:53:00	56.2	55.5	-0.7	0.00	0.00	0.00	1.1	SSE
6/8/2023 10:54:00	55.0	56.3	1.3	0.00	0.00	0.00	1.1	SW
6/8/2023 10:55:00	55.0	56.3	1.3	0.00	0.00	0.00	1.1	WSW
6/8/2023 10:56:00	54.1	57.4	3.3	0.00	0.00	0.00	1.1	SW
6/8/2023 10:57:00	53.2	58.6	5.4	0.00	0.00	0.00	1.2	SSW
6/8/2023 10:58:00	48.0	58.2	10.2	0.00	0.00	0.00	1.1	NNE
6/8/2023 10:59:00	43.4	51.8	8.4	0.00	0.00	0.00	1.2	NNE
6/8/2023 11:00:00	38.4	53.2	14.8	0.00	0.00	0.00	1.1	SSW
6/8/2023 11:01:00	39.3	50.1	10.8	0.00	0.00	0.00	1.1	ENE
6/8/2023 11:02:00	40.6	54.1	13.6	0.00	0.00	0.00	1.1	NNE
6/8/2023 11:03:00	42.5	55.5	13.0	0.00	0.00	0.00	1.1	WNW
6/8/2023 11:04:00	44.4	55.4	11.0	0.00	0.00	0.00	1.1	NNE
6/8/2023 11:05:00	46.1	54.8	8.7	0.00	0.00	0.00	1.1	NNE
6/8/2023 11:06:00	47.6	54.1	6.5	0.00	0.00	0.00	1.2	N
6/8/2023 11:07:00	48.9	53.9	4.9	0.00	0.00	0.00	1.2	NNE
6/8/2023 11:08:00	48.7	55.4	6.7	0.00	0.00	0.00	1.2	SW
6/8/2023 11:09:00	50.6	55.2	4.5	0.00	0.00	0.00	1.2	SE
6/8/2023 11:10:00	52.5	54.8	2.3	0.00	0.00	0.00	1.1	ESE
6/8/2023 11:11:00	53.0	55.2	2.1	0.00	0.00	0.00	1.1	W
6/8/2023 11:12:00	53.5	55.4	1.9	0.00	0.00	0.00	1.1	SSW
6/8/2023 11:13:00	56.9	56.6	-0.3	0.00	0.00	0.00	1.2	SW
6/8/2023 11:14:00	60.3	61.1	0.8	0.00	0.00	0.00	1.2	SSW
6/8/2023 11:15:00	63.7	61.3	-2.4	0.00	0.00	0.00	1.2	SW
6/8/2023 11:16:00	61.4	72.3	10.9	0.00	0.00	0.00	1.2	SSW
6/8/2023 11:17:00	59.3	70.5	11.2	0.00	0.00	0.00	1.2	SW
6/8/2023 11:18:00	57.7	70.5	12.8	0.00	0.00	0.00	1.3	SSW
6/8/2023 11:19:00	56.1	70.8	14.7	0.00	0.00	0.00	1.3	SW
6/8/2023 11:20:00	54.6	71.6	16.9	0.00	0.00	0.00	1.2	W
6/8/2023 11:21:00	54.6	71.1	16.5	0.00	0.00	0.00	1.2	NNE
6/8/2023 11:22:00	54.3	70.6	16.3	0.00	0.00	0.00	1.2	NE
6/8/2023 11:23:00	54.3	69.6	15.3	0.00	0.00	0.00	1.2	ESE
6/8/2023 11:24:00	53.4	69.6	16.2	0.00	0.00	0.00	1.2	NNW
6/8/2023 11:25:00	51.9	70.0	18.0	0.00	0.00	0.00	1.2	SSW

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
6/8/2023 11:26:00	52.2	68.9	16.8	0.00	0.00	0.00	1.3	N
6/8/2023 11:27:00	52.5	68.0	15.5	0.00	0.00	0.00	1.3	NE
6/8/2023 11:28:00	53.3	66.3	12.9	0.00	0.00	0.00	1.3	NE
6/8/2023 11:29:00	55.7	64.6	8.9	0.00	0.00	0.00	1.3	NE
6/8/2023 11:30:00	55.7	64.3	8.6	0.00	0.00	0.00	1.3	WNW
6/8/2023 11:31:00	56.5	56.4	-0.1	0.00	0.00	0.00	1.3	NNW
6/8/2023 11:32:00	57.3	54.3	-3.0	0.00	0.00	0.00	1.4	NE
6/8/2023 11:33:00	58.0	52.2	-5.8	0.00	0.00	0.00	1.4	N
6/8/2023 11:34:00	59.0	51.7	-7.3	0.00	0.00	0.00	1.4	E
6/8/2023 11:35:00	60.3	50.6	-9.8	0.00	0.00	0.00	1.5	ENE
6/8/2023 11:36:00	60.0	50.3	-9.7	0.00	0.00	0.00	1.5	NNE
6/8/2023 11:37:00	60.0	49.9	-10.1	0.00	0.00	0.00	1.5	NE
6/8/2023 11:38:00	59.7	49.2	-10.5	0.00	0.00	0.00	1.5	NE
6/8/2023 11:39:00	58.5	49.1	-9.4	0.00	0.00	0.00	1.5	WNW
6/8/2023 11:40:00	58.8	47.8	-11.0	0.00	0.00	0.00	1.5	NNE
6/8/2023 11:41:00	58.5	47.0	-11.5	0.00	0.00	0.00	1.6	N
6/8/2023 11:42:00	59.5	46.2	-13.3	0.00	0.00	0.00	1.6	NE
6/8/2023 11:43:00	60.2	45.9	-14.3	0.00	0.00	0.00	1.7	N
6/8/2023 11:44:00	58.7	45.6	-13.1	0.00	0.00	0.00	1.6	ENE
6/8/2023 11:45:00	58.0	44.5	-13.5	0.00	0.00	0.00	1.6	NW
6/8/2023 11:46:00	57.8	44.0	-13.8	0.00	0.00	0.00	1.7	NE
6/8/2023 11:47:00	56.7	44.7	-12.0	0.00	0.00	0.00	1.6	NNW
6/8/2023 11:48:00	56.5	44.3	-12.2	0.00	0.00	0.00	1.6	NE
6/8/2023 11:49:00	56.2	43.8	-12.4	0.00	0.00	0.00	1.5	ENE
6/8/2023 11:50:00	55.4	43.3	-12.1	0.00	0.00	0.00	1.5	NE
6/8/2023 11:51:00	55.1	43.1	-12.0	0.00	0.00	0.00	1.4	ESE
6/8/2023 11:52:00	55.0	43.0	-11.9	0.00	0.00	0.00	1.4	E
6/8/2023 11:53:00	55.2	43.1	-12.1	0.00	0.00	0.00	1.4	NNE
6/8/2023 11:54:00	56.6	42.5	-14.1	0.00	0.00	0.00	1.4	ENE
6/8/2023 11:55:00	56.8	42.7	-14.0	0.00	0.00	0.00	1.4	ENE
6/8/2023 11:56:00	57.4	43.0	-14.4	0.00	0.00	0.00	1.4	NNE
6/8/2023 11:57:00	56.8	43.4	-13.5	0.00	0.00	0.00	1.3	ENE
6/8/2023 11:58:00	55.8	43.8	-12.0	0.00	0.00	0.00	1.3	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
6/8/2023 11:59:00	55.2	43.9	-11.3	0.00	0.00	0.00	1.4	ENE
6/8/2023 12:00:00	56.3	42.9	-13.4	0.00	0.00	0.00	1.4	NE
6/8/2023 12:01:00	56.8	43.1	-13.7	0.00	0.00	0.00	1.4	NE
6/8/2023 12:02:00	58.2	42.3	-15.9	0.00	0.00	0.00	1.5	NNE
6/8/2023 12:03:00	58.4	42.5	-15.9	0.00	0.00	0.00	1.5	NE
6/8/2023 12:04:00	58.7	42.6	-16.2	0.00	0.00	0.00	1.6	ENE
6/8/2023 12:05:00	58.0	43.6	-14.5	0.00	0.00	0.00	1.6	NW
6/8/2023 12:06:00	58.0	43.8	-14.2	0.00	0.00	0.00	1.6	E
6/8/2023 12:07:00	58.0	43.9	-14.0	0.00	0.00	0.00	1.7	NE
6/8/2023 12:08:00	57.0	44.8	-12.2	0.00	0.00	0.00	1.7	WNW
6/8/2023 12:09:00	56.7	44.8	-11.9	0.00	0.00	-0.00	1.7	NE
6/8/2023 12:10:00	56.5	44.8	-11.7	0.00	0.00	-0.00	1.7	ENE
6/8/2023 12:11:00	55.2	45.6	-9.6	0.00	0.00	-0.00	1.7	SSW
6/8/2023 12:12:00	53.8	46.3	-7.5	0.00	0.00	-0.00	1.7	S
6/8/2023 12:13:00	52.7	46.9	-5.8	0.00	0.00	-0.00	1.6	SW
6/8/2023 12:14:00	51.6	47.7	-4.0	0.00	0.00	-0.00	1.6	SSW
6/8/2023 12:15:00	51.3	47.6	-3.6	0.00	0.00	-0.00	1.5	ESE
6/8/2023 12:16:00	50.5	47.4	-3.0	0.00	0.00	-0.00	1.5	NNW
6/8/2023 12:17:00	49.6	47.0	-2.5	0.00	0.00	-0.00	1.4	NNE
6/8/2023 12:18:00	49.0	46.5	-2.5	0.00	0.00	-0.00	1.4	SE
6/8/2023 12:19:00	48.4	46.0	-2.4	0.00	0.00	-0.00	1.4	SSE
6/8/2023 12:20:00	48.0	45.6	-2.4	0.00	0.00	-0.00	1.4	S
6/8/2023 12:21:00	47.0	46.2	-0.8	0.00	0.00	-0.00	1.4	W
6/8/2023 12:22:00	46.9	46.3	-0.6	0.00	0.00	-0.00	1.3	ENE
6/8/2023 12:23:00	47.7	45.5	-2.1	0.00	0.00	-0.00	1.3	NE
6/8/2023 12:24:00	47.7	45.4	-2.3	0.00	0.00	-0.00	1.3	ENE
6/8/2023 12:25:00	46.9	46.2	-0.8	0.00	0.00	0.00	1.2	WSW
6/8/2023 12:26:00	47.8	45.5	-2.3	0.00	0.00	0.00	1.2	ENE
6/8/2023 12:27:00	48.7	44.9	-3.8	0.00	0.00	0.00	1.2	ENE
6/8/2023 12:28:00	49.7	44.3	-5.3	0.00	0.00	0.00	1.2	NE
6/8/2023 12:29:00	50.7	43.8	-7.0	0.00	0.00	0.00	1.2	NNE
6/8/2023 12:30:00	51.0	43.9	-7.1	0.00	0.00	0.00	1.2	NE
6/8/2023 12:31:00	51.3	44.0	-7.3	0.00	0.00	0.00	1.2	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
6/8/2023 12:32:00	51.6	44.2	-7.4	0.00	0.00	0.00	1.2	NE
6/8/2023 12:33:00	52.0	44.4	-7.6	0.00	0.00	0.00	1.2	NNE
6/8/2023 12:34:00	52.3	45.0	-7.4	0.00	0.00	0.00	1.1	NNE
6/8/2023 12:35:00	53.4	44.7	-8.7	0.00	0.00	0.00	1.1	NE
6/8/2023 12:36:00	54.5	44.1	-10.4	0.00	0.00	0.00	1.1	ENE
6/8/2023 12:37:00	54.8	44.5	-10.3	0.00	0.00	0.00	1.1	NE
6/8/2023 12:38:00	55.0	44.8	-10.2	0.00	0.00	0.00	1.1	NE
6/8/2023 12:39:00	55.2	45.5	-9.7	0.00	0.00	0.00	1.1	NE
6/8/2023 12:40:00	55.9	45.7	-10.2	0.00	0.00	0.00	1.0	SSW
6/8/2023 12:41:00	55.8	45.7	-10.0	0.00	0.00	0.00	1.0	NE
6/8/2023 12:42:00	55.0	46.8	-8.3	0.00	0.00	0.00	0.9	SW
6/8/2023 12:43:00	54.0	49.9	-4.2	0.00	0.00	0.00	0.9	SSW
6/8/2023 12:44:00	55.1	49.8	-5.3	0.00	0.00	0.00	0.9	NE
6/8/2023 12:45:00	56.9	49.8	-7.1	0.00	0.00	0.00	0.9	ESE
6/8/2023 12:46:00	57.3	49.7	-7.6	0.00	0.00	0.00	0.8	N
6/8/2023 12:47:00	57.3	49.8	-7.5	0.00	0.00	0.00	0.9	NNE
6/8/2023 12:48:00	57.5	49.9	-7.5	0.00	0.00	0.00	0.9	NE
6/8/2023 12:49:00	57.3	49.5	-7.8	0.00	0.00	0.00	0.9	NE
6/8/2023 12:50:00	56.3	49.9	-6.4	0.00	0.00	0.00	0.9	WNW
6/8/2023 12:51:00	55.0	50.6	-4.5	0.00	0.00	0.00	1.0	SSW
6/8/2023 12:52:00	54.7	49.7	-5.0	0.00	0.00	0.00	1.0	NNE
6/8/2023 12:53:00	55.4	49.1	-6.3	0.00	0.00	0.00	1.1	NE
6/8/2023 12:54:00	55.4	48.1	-7.3	0.00	0.00	0.00	1.2	NNW
6/8/2023 12:55:00	54.0	47.6	-6.4	0.00	0.00	0.00	1.2	S
6/8/2023 12:56:00	53.8	46.7	-7.1	0.00	0.00	0.00	1.3	ENE
6/8/2023 12:57:00	53.9	44.8	-9.1	0.00	0.00	0.00	1.3	ENE
6/8/2023 12:58:00	54.6	40.8	-13.8	0.00	0.00	0.00	1.3	E
6/8/2023 12:59:00	53.6	40.2	-13.4	0.00	0.00	0.00	1.3	NE
6/8/2023 13:00:00	50.9	41.3	-9.6	0.00	0.00	0.00	1.3	SSW
6/8/2023 13:01:00	50.0	42.8	-7.3	0.00	0.00	0.00	1.4	SSW
6/8/2023 13:02:00	49.3	43.5	-5.8	0.00	0.00	0.00	1.5	SSW
6/8/2023 13:03:00	47.6	43.6	-4.0	0.00	0.00	0.00	1.4	SW
6/8/2023 13:04:00	46.2	44.0	-2.2	0.00	0.00	0.00	1.5	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
6/8/2023 13:05:00	46.6	42.6	-4.0	0.00	0.00	0.00	1.4	NNE
6/8/2023 13:06:00	46.2	42.1	-4.1	0.00	0.00	0.00	1.4	NNW
6/8/2023 13:07:00	44.6	42.6	-2.0	0.00	0.00	0.00	1.4	WSW
6/8/2023 13:08:00	42.4	43.2	0.8	0.00	0.00	0.00	1.2	NW
6/8/2023 13:09:00	40.7	44.2	3.4	0.00	0.00	0.00	1.2	SW
6/8/2023 13:10:00	40.5	44.4	3.9	0.00	0.00	0.00	1.2	NNW
6/8/2023 13:11:00	40.6	44.1	3.5	0.00	0.00	0.00	1.2	E
6/8/2023 13:12:00	41.2	43.8	2.7	0.00	0.00	0.00	1.2	SE
6/8/2023 13:13:00	39.6	45.5	5.9	0.00	0.00	0.00	1.2	SW
6/8/2023 13:14:00	37.9	46.3	8.4	0.00	0.00	0.01	1.3	WNW
6/8/2023 13:15:00	38.3	44.8	6.5	0.00	0.00	0.00	1.3	SE
6/8/2023 13:16:00	37.3	43.8	6.5	0.00	0.00	0.00	1.3	SSW
6/8/2023 13:17:00	37.6	42.5	4.9	0.00	0.00	0.00	1.2	NNE
6/8/2023 13:18:00	38.4	41.7	3.3	0.00	0.00	0.00	1.2	NE
6/8/2023 13:19:00	39.4	40.9	1.5	0.00	0.00	0.00	1.3	ENE
6/8/2023 13:20:00	39.9	40.6	0.8	0.00	0.00	0.00	1.3	E
6/8/2023 13:21:00	40.9	39.6	-1.3	0.00	0.00	0.00	1.3	NE
6/8/2023 13:22:00	42.1	38.8	-3.4	0.00	0.00	0.00	1.4	NE
6/8/2023 13:23:00	42.8	38.3	-4.5	0.00	0.00	0.00	1.4	ENE
6/8/2023 13:24:00	43.5	37.9	-5.6	0.00	0.00	0.00	1.5	ENE
6/8/2023 13:25:00	44.6	37.3	-7.4	0.00	0.00	0.00	1.5	SSW
6/8/2023 13:26:00	43.4	38.4	-5.0	0.00	0.00	0.00	1.5	SW
6/8/2023 13:27:00	41.7	39.7	-2.0	0.00	0.00	0.00	1.5	SW
6/8/2023 13:28:00	41.9	39.0	-2.9	0.00	0.00	0.00	1.5	SSW
6/8/2023 13:29:00	41.7	38.7	-3.0	0.00	0.00	-0.00	1.5	SW
6/8/2023 13:30:00	40.1	38.7	-1.4	0.00	0.00	0.00	1.5	SSW
6/8/2023 13:31:00	40.5	36.9	-3.6	0.00	0.00	0.00	1.5	N
6/8/2023 13:32:00	39.9	36.1	-3.8	0.00	0.00	0.00	1.5	SE
6/8/2023 13:33:00	39.5	35.4	-4.0	0.00	0.00	0.00	1.6	SSE
6/8/2023 13:34:00	38.8	34.9	-4.0	0.00	0.00	0.00	1.5	ESE
6/8/2023 13:35:00	37.0	35.4	-1.5	0.00	0.00	0.00	1.4	SSW
6/8/2023 13:36:00	36.3	34.8	-1.5	0.00	0.00	0.00	1.4	E
6/8/2023 13:37:00	34.7	35.3	0.6	0.00	0.00	0.00	1.4	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
6/8/2023 13:38:00	33.5	35.1	1.6	0.00	0.00	0.00	1.4	W
6/8/2023 13:39:00	32.6	34.6	2.0	0.00	0.00	0.00	1.4	NW
6/8/2023 13:40:00	31.2	34.2	3.0	0.00	0.00	0.00	1.3	NW
6/8/2023 13:41:00	30.5	33.6	3.0	0.00	0.00	0.00	1.3	W
6/8/2023 13:42:00	30.3	33.0	2.6	0.00	0.00	0.00	1.3	SW
6/8/2023 13:43:00	29.7	32.3	2.6	0.00	0.00	0.00	1.3	SSW
6/8/2023 13:44:00	29.3	32.0	2.7	0.00	0.00	0.00	1.3	SSW
6/8/2023 13:45:00	29.2	31.8	2.6	0.00	0.00	0.00	1.3	WSW
6/8/2023 13:46:00	28.9	33.4	4.4	0.00	0.00	0.00	1.3	N
6/8/2023 13:47:00	28.6	33.9	5.3	0.00	0.00	0.00	1.3	NNE
6/8/2023 13:48:00	28.5	33.8	5.3	0.00	0.00	0.00	1.4	E
6/8/2023 13:49:00	27.5	34.8	7.3	0.00	0.00	0.00	1.4	SW
6/8/2023 13:50:00	28.1	33.6	5.5	0.00	0.00	0.00	1.4	NNE
6/8/2023 13:51:00	27.8	33.6	5.8	0.00	0.00	0.00	1.4	NE
6/8/2023 13:52:00	28.4	32.4	4.0	0.00	0.00	0.00	1.5	NE
6/8/2023 13:53:00	27.8	32.0	4.3	0.00	0.00	0.00	1.4	SW
6/8/2023 13:54:00	27.2	31.7	4.5	0.00	0.00	0.00	1.4	WSW
6/8/2023 13:55:00	27.8	32.2	4.4	0.00	0.00	0.00	1.5	NNE
6/8/2023 13:56:00	30.0	33.4	3.4	0.00	0.00	0.00	1.5	NE
6/8/2023 13:57:00	31.1	33.7	2.6	0.00	0.00	0.00	1.5	NE
6/8/2023 13:58:00	32.3	33.4	1.1	0.00	0.00	0.00	1.5	NNE
6/8/2023 13:59:00	33.1	33.2	0.1	0.00	0.00	0.00	1.4	NNE
6/8/2023 14:00:00	33.8	32.3	-1.4	0.00	0.00	0.00	1.4	NE
6/8/2023 14:01:00	32.6	32.2	-0.4	0.00	0.00	0.00	1.4	SW
6/8/2023 14:02:00	33.9	31.5	-2.5	0.00	0.00	0.00	1.4	NNW
6/8/2023 14:03:00	34.0	31.3	-2.7	0.00	0.00	0.00	1.4	N
6/8/2023 14:04:00	34.1	31.2	-3.0	0.00	0.00	-0.00	1.5	SW
6/8/2023 14:05:00	33.4	32.2	-1.2	0.00	0.00	0.00	1.5	SSW
6/8/2023 14:06:00	33.4	31.9	-1.5	0.00	0.00	0.00	1.5	E
6/8/2023 14:07:00	33.3	31.5	-1.8	0.00	0.00	-0.00	1.5	ENE
6/8/2023 14:08:00	33.2	31.4	-1.8	0.00	0.00	0.00	1.5	W
6/8/2023 14:09:00	33.9	30.3	-3.6	0.00	0.00	0.00	1.5	NNE
6/8/2023 14:10:00	33.7	28.4	-5.3	0.00	0.00	0.00	1.5	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
6/8/2023 14:11:00	31.9	25.9	-5.9	0.00	0.00	0.00	1.4	NNE
6/8/2023 14:12:00	30.1	25.4	-4.7	0.00	0.00	0.00	1.4	SSW
6/8/2023 14:13:00	28.6	26.3	-2.3	0.00	0.00	0.00	1.4	SSW
6/8/2023 14:14:00	29.1	25.3	-3.8	0.00	0.00	0.00	1.5	NNE
6/8/2023 14:15:00	30.5	25.1	-5.3	0.00	0.00	0.00	1.5	N
6/8/2023 14:16:00	32.0	24.8	-7.3	0.00	0.00	0.00	1.6	WNW
6/8/2023 14:17:00	30.5	26.0	-4.5	0.00	0.00	0.00	1.6	NE
6/8/2023 14:18:00	30.2	26.4	-3.8	0.00	0.00	0.00	1.6	NNE
6/8/2023 14:19:00	30.8	25.5	-5.3	0.00	0.00	0.00	1.7	NNE
6/8/2023 14:20:00	31.8	24.6	-7.2	0.00	0.00	0.00	1.8	NE
6/8/2023 14:21:00	31.9	24.9	-6.9	0.00	0.00	0.00	1.8	NE
6/8/2023 14:22:00	32.2	25.4	-6.8	0.00	0.00	0.00	1.9	NE
6/8/2023 14:23:00	35.0	24.5	-10.5	0.00	0.00	-0.00	1.9	SE
6/8/2023 14:24:00	34.2	26.1	-8.0	0.00	0.00	0.00	1.9	WSW
6/8/2023 14:25:00	33.6	27.5	-6.1	0.00	0.00	0.00	1.9	SW
6/8/2023 14:26:00	33.0	28.6	-4.3	0.00	0.00	0.00	1.9	SW
6/8/2023 14:27:00	33.3	28.7	-4.6	0.00	0.00	0.00	1.8	SSE
6/8/2023 14:28:00	34.6	27.0	-7.7	0.00	0.00	0.00	1.8	NE
6/8/2023 14:29:00	34.7	27.2	-7.5	0.00	0.00	0.00	1.8	ENE
6/8/2023 14:30:00	34.6	27.3	-7.3	0.00	0.00	0.00	1.9	ENE
6/8/2023 14:31:00	35.6	26.2	-9.4	0.00	0.00	0.00	1.9	ENE
6/8/2023 14:32:00	36.1	25.1	-11.0	0.00	0.00	0.00	1.9	NE
6/8/2023 14:33:00	36.6	24.7	-11.9	0.00	0.00	0.00	1.9	ENE
6/8/2023 14:34:00	37.3	24.7	-12.6	0.00	0.00	0.00	1.8	NE
6/8/2023 14:35:00	36.4	25.6	-10.8	0.00	0.00	0.00	1.7	WSW
6/8/2023 14:36:00	36.0	26.4	-9.6	0.00	0.00	0.00	1.6	SW
6/8/2023 14:37:00	35.4	27.2	-8.2	0.00	0.00	0.00	1.5	WNW
6/8/2023 14:38:00	33.9	27.8	-6.1	0.00	0.00	0.00	1.4	ENE
6/8/2023 14:39:00	35.0	27.0	-8.0	0.00	0.00	0.00	1.5	ENE
6/8/2023 14:40:00	35.9	26.5	-9.5	0.00	0.00	0.00	1.5	NNE
6/8/2023 14:41:00	36.8	26.0	-10.8	0.00	0.00	0.00	1.6	E
6/8/2023 14:42:00	37.0	26.4	-10.6	0.00	0.00	0.00	1.6	W
6/8/2023 14:43:00	36.1	28.0	-8.2	0.00	0.00	0.00	1.6	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
6/8/2023 14:44:00	34.9	30.2	-4.7	0.00	0.00	0.00	1.5	SW
6/8/2023 14:45:00	33.1	32.1	-1.0	0.00	0.00	0.00	1.6	WSW
6/8/2023 14:46:00	32.1	32.3	0.2	0.00	0.00	0.00	1.5	NE
6/8/2023 14:47:00	31.0	33.7	2.7	0.00	0.00	0.00	1.4	S
6/8/2023 14:48:00	34.0	34.3	0.3	0.00	0.00	0.00	1.5	ENE
6/8/2023 14:49:00	34.1	34.5	0.4	0.00	0.00	0.00	1.5	ENE
6/8/2023 14:50:00	36.6	33.4	-3.1	0.00	0.00	0.00	1.6	NE
6/8/2023 14:51:00	37.4	32.5	-4.9	0.00	0.00	0.00	1.7	NE
6/8/2023 14:52:00	38.3	31.7	-6.6	0.00	0.00	0.00	1.7	NNE
6/8/2023 14:53:00	39.8	31.4	-8.4	0.00	0.00	0.00	1.7	NNE
6/8/2023 14:54:00	41.0	31.4	-9.6	0.00	0.00	0.00	1.7	NNE
6/8/2023 14:55:00	40.4	29.5	-10.9	0.00	0.00	0.00	1.7	WNW
6/8/2023 14:56:00	39.8	27.7	-12.2	0.00	0.00	0.00	1.7	SW
6/8/2023 14:57:00	39.8	27.4	-12.4	0.00	0.00	0.00	1.7	SSW
6/8/2023 14:58:00	38.1	26.8	-11.3	0.00	0.00	0.00	1.6	SSE
6/8/2023 14:59:00	38.8	23.2	-15.6	0.00	0.00	0.00	1.6	ENE
6/8/2023 15:00:00	39.4	21.1	-18.4	0.00	0.00	0.00	1.6	NE
6/8/2023 15:01:00	39.0	20.8	-18.2	0.00	0.00	0.00	1.7	NNE
6/8/2023 15:02:00	39.6	18.0	-21.7	0.00	0.00	0.00	1.7	ENE
6/8/2023 15:03:00	36.4	16.0	-20.5	0.00	0.00	0.00	1.6	NNE

Air Quality Health Advisory Issued for Long Island, New York City Metro, Lower Hudson Valley, Upper Hudson Valley, Eastern Lake Ontario, Central New York and Western New York

In Effect for Thursday, June 8, 2023

New York State Department of Environmental Conservation (DEC) Commissioner Basil Seggos and State Department of Health (DOH) Commissioner Dr. James McDonald issued an Air Quality Health Advisory for the **Long Island, New York City Metro, Lower Hudson Valley, Upper Hudson Valley, Eastern Lake Ontario, Central New York and Western New York** regions for **Thursday, June 8, 2023**.

The air quality is forecasted to reach 'Unhealthy' AQI levels on Thursday in the New York City Metro, Long Island, Eastern Lake Ontario, Central and Western regions.

The pollutant of concern is: **Fine Particulate Matter**

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.

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:

1. use mass transit instead of driving, as automobile emissions account for about 60 percent of pollution in our cities.
2. conserve fuel and reduce exhaust emissions by combining necessary motor vehicle trips;
3. turn off all lights and electrical appliances in unoccupied areas;
4. use fans to circulate air. If air conditioning is necessary, set thermostats at 78 degrees;
5. close the blinds and shades to limit heat build-up and to preserve cooled air;
6. 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;
7. set refrigerators and freezers at more efficient temperatures;
8. purchase and install energy efficient lighting and appliances with the Energy Star label; and
9. 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](#).

The **Thursday, June 8**, Air Quality Health Advisory regions consist of the following: **Long Island** which includes Nassau and Suffolk counties; **New York City Metro** which includes New York City, Rockland, and Westchester counties; **Lower Hudson Valley** which includes Dutchess, Orange, Putnam, Ulster, and Sullivan counties; **Upper Hudson Valley** which includes Albany, Columbia, Fulton, Greene, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, and Washington counties; **Eastern Lake Ontario** which includes northern Cayuga, Jefferson, Monroe, Oswego, and Wayne counties; **Central New York** which includes Allegany, Broome, southern Cayuga, Chemung, Chenango, Cortland, Delaware, southern Herkimer, Livingston, Madison, Onondaga, Oneida, Ontario, Otsego, Tioga, Tompkins, Schuyler, Seneca, Steuben, and Yates counties; and **Western New York** which includes Cattaraugus, Chautauqua, Erie, Genesee, Niagara, Orleans, and Wyoming counties.

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