

DAILY FIELD REPORT 252

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	July 24, 2024
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	7:00 am to 3:45 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	Langan Field Personnel: Olivia O'Donnell (Environmental)
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Construction Manager: Consigli Construction Co., Inc. (Consigli)

Foundation Contractor: Urban Foundation/Engineering (Urban)
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Work Activities Performed:

- Urban used hand tools to excavate an about 10-foot-long by 10-foot-wide area to about 2 feet below grade surface (bgs) in the northern part of grid WC02 to prepare for the installation of support of excavation (SOE). Excavated material consisted of previously backfilled clean sand imported from the North American Aggregate Mining Operations; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a release were not observed. The excavated clean sand was used as backfill in an about 20-foot-long by 1-foot-wide area to about grade surface in the central part of the site.
- Urban installed waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the central and northern parts of the site. Waterproofing/vapor barrier installment observation and documentation is to verify general conformance with specifications and contract documents.
- Urban used hand tools to drill into concrete slabs in the southwestern part of the site for the installation of rebar.
- Urban poured concrete in the central part of the site for foundation elements.

Material Tracking:

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

Materials Export Summary								
Facility Name	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
Location	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
Type of Waste	<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>C&D</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	0	-	0	-	0	-	0	-
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	139	2,780	337	6,740	0	-	17	340

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

Materials Import Summary								
Facility Name	<i>Greenpoint Quarry / North Shore Terminal</i>		<i>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>	
Location	<i>Staten Island, NY</i>		<i>Brooklyn, NY</i>		<i>Staten Island, NY</i>		<i>Perth Amboy, NJ</i>	
Type of Material	<i>ASTM #57 0.75-inch Stone</i>		<i>ASTM #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	31	527
Approved Quantity	-	500	-	500	-	200	-	600

Samples Collected:

- No samples collected.

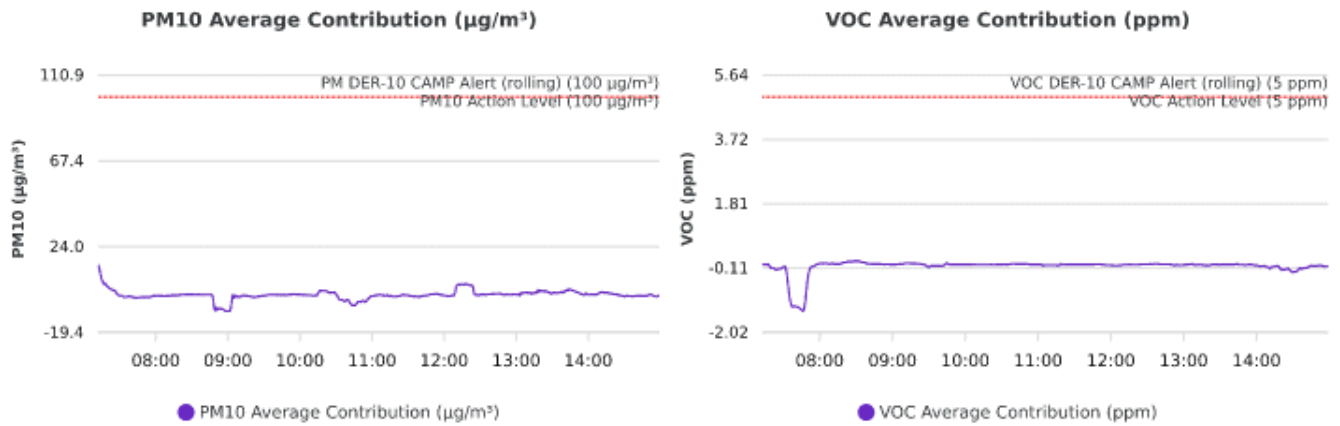
Air Monitoring:

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/m³ 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/m³ or 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m ³)		Organic Vapor Monitoring (ppm)	
Daily Background	31.4	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-8.5	VOC Average Site Contribution (Minimum)	-1.39
PM10 Average Site Contribution (Maximum)	14.8	VOC Average Site Contribution (Maximum)	0.10

µg/m³: micrograms per cubic meter.

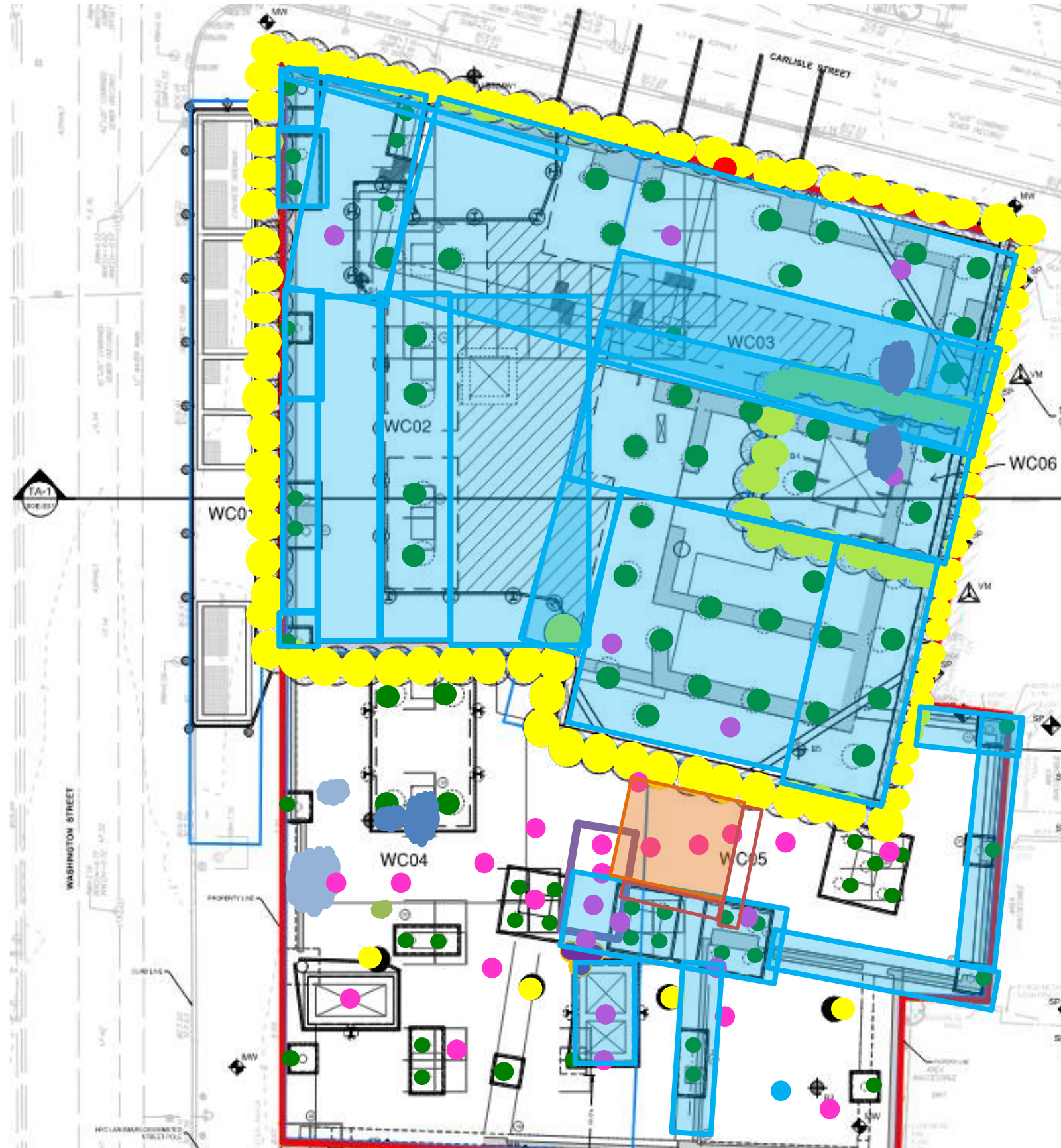
ppm: parts per million.



Planned Activities:

- Urban will continue to backfill, excavate, remove concrete, and install foundation elements throughout the site.
- Urban will continue to install waterproofing/vapor barrier membranes throughout the site.
- Urban will export non-hazardous soil/fill and import clean backfill.







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**

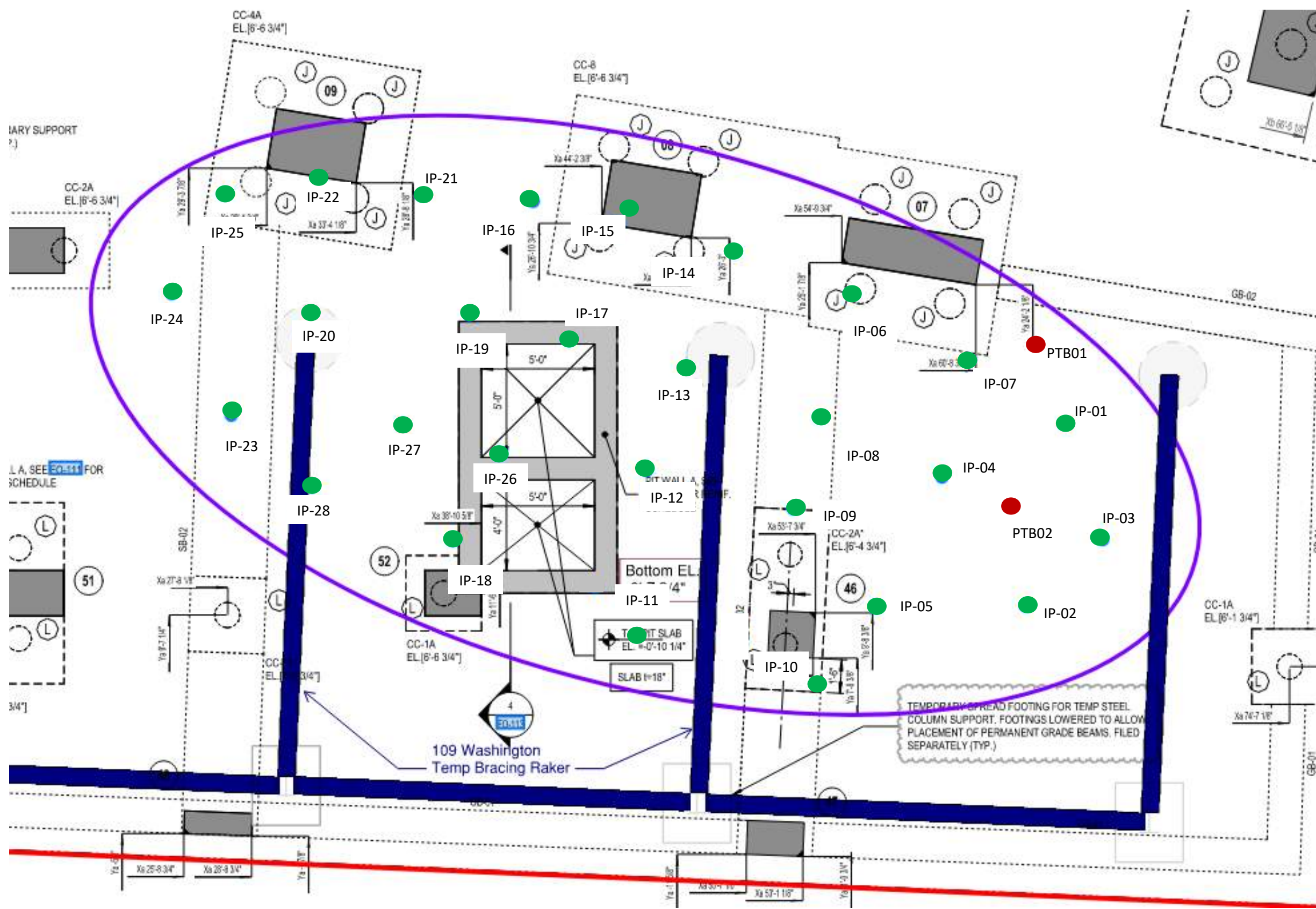


Photo Log

Photo 1: View of Urban excavating in the central part of the site (facing east).



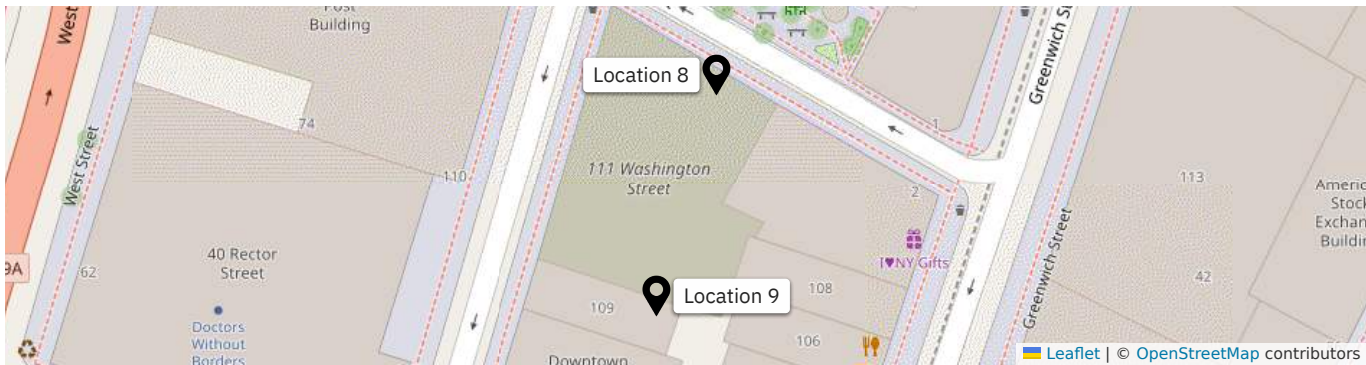
Photo 2: General site view (facing south east).



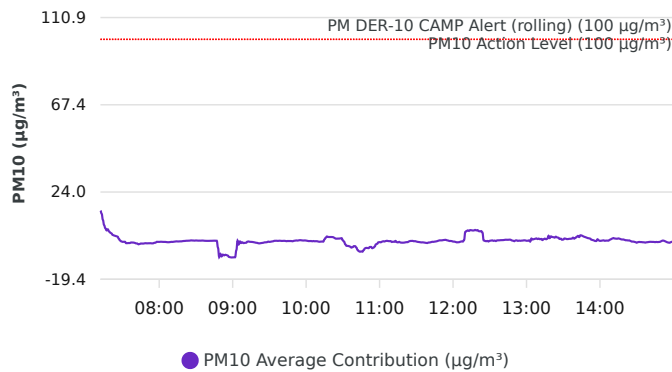
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	7/24/2024 06:00
		To:	7/24/2024 15:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
7/24/2024	0.2-2.6	SE

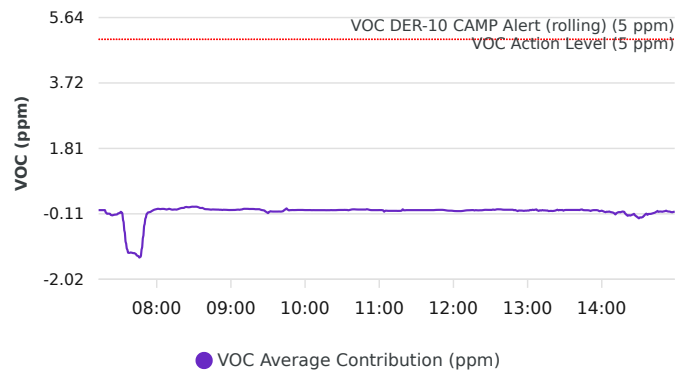
Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 7/24/2024	-8.5	08:59	-1.39	07:46
Max Contribution (15 min avg.) - 7/24/2024	14.8	07:12	0.10	08:29



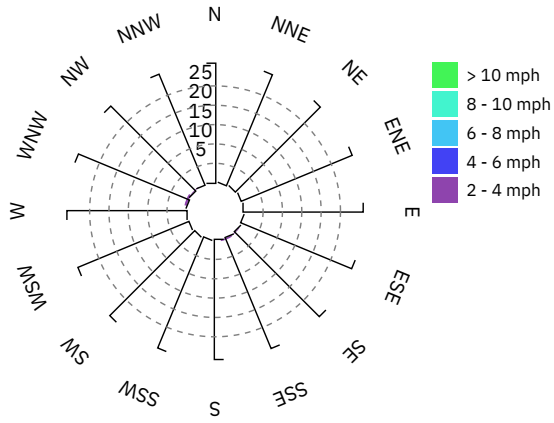
PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)



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
7/24/2024 07:12:00	31.4	46.2	14.8				2.6	SE
7/24/2024 07:13:00	30.0	43.2	13.2	0.00	0.00	0.00	1.9	SE
7/24/2024 07:14:00	29.5	39.6	10.2	0.00	0.00	0.00	1.4	S
7/24/2024 07:15:00	29.3	36.8	7.6	0.00	0.00	0.00	1.4	SSE
7/24/2024 07:16:00	29.1	35.1	6.0	0.00	0.00	0.00	1.3	SSW
7/24/2024 07:17:00	29.0	34.0	5.0	0.00	0.00	0.00	1.2	SE
7/24/2024 07:18:00	27.7	33.2	5.5	0.00	0.00	0.00	1.2	SE
7/24/2024 07:19:00	27.1	31.5	4.4	0.08	0.00	-0.08	1.1	S
7/24/2024 07:20:00	26.3	30.1	3.9	0.11	0.00	-0.11	1.1	SSE
7/24/2024 07:21:00	25.6	29.0	3.4	0.10	0.00	-0.10	1.1	SE
7/24/2024 07:22:00	25.3	28.0	2.7	0.11	0.00	-0.11	1.0	SSW
7/24/2024 07:23:00	24.7	27.2	2.4	0.14	0.00	-0.14	1.1	SSE
7/24/2024 07:24:00	24.1	26.4	2.2	0.15	0.00	-0.15	1.1	SSE
7/24/2024 07:25:00	23.6	25.7	2.0	0.14	0.00	-0.14	1.0	SE
7/24/2024 07:26:00	23.3	25.1	1.8	0.13	0.00	-0.13	1.0	SSW
7/24/2024 07:27:00	22.3	23.1	0.8	0.13	0.00	-0.13	1.0	SSE
7/24/2024 07:28:00	21.6	21.5	-0.1	0.14	0.02	-0.12	1.0	SE
7/24/2024 07:29:00	20.9	20.4	-0.5	0.15	0.06	-0.09	1.0	SE
7/24/2024 07:30:00	20.4	19.6	-0.8	0.19	0.10	-0.09	0.9	S
7/24/2024 07:31:00	19.6	18.9	-0.7	0.21	0.15	-0.05	1.0	SSE
7/24/2024 07:32:00	18.8	18.1	-0.7	0.29	0.21	-0.08	1.0	SE
7/24/2024 07:33:00	18.7	17.3	-1.4	0.55	0.23	-0.32	1.0	SSE
7/24/2024 07:34:00	18.5	17.1	-1.4	0.87	0.24	-0.63	1.0	SE
7/24/2024 07:35:00	18.3	16.9	-1.4	1.21	0.26	-0.95	1.0	SE
7/24/2024 07:36:00	18.1	16.8	-1.4	1.41	0.27	-1.14	1.0	WSW
7/24/2024 07:37:00	17.8	16.7	-1.1	1.54	0.29	-1.25	0.9	WNW
7/24/2024 07:38:00	17.7	16.6	-1.1	1.58	0.33	-1.25	0.9	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
7/24/2024 07:39:00	17.7	16.6	-1.1	1.60	0.36	-1.24	0.9	ESE
7/24/2024 07:40:00	17.8	16.5	-1.3	1.63	0.38	-1.25	0.9	SSW
7/24/2024 07:41:00	17.9	16.4	-1.5	1.66	0.40	-1.26	0.8	S
7/24/2024 07:42:00	18.0	16.4	-1.6	1.69	0.43	-1.26	0.8	SE
7/24/2024 07:43:00	18.4	16.4	-2.0	1.71	0.43	-1.28	0.8	SSE
7/24/2024 07:44:00	18.2	16.4	-1.8	1.73	0.40	-1.33	0.8	SW
7/24/2024 07:45:00	18.0	16.4	-1.6	1.71	0.36	-1.34	0.8	SSE
7/24/2024 07:46:00	18.1	16.4	-1.6	1.70	0.31	-1.39	0.6	WNW
7/24/2024 07:47:00	18.1	16.5	-1.6	1.63	0.27	-1.36	0.6	SE
7/24/2024 07:48:00	18.0	16.5	-1.5	1.38	0.26	-1.12	0.6	WSW
7/24/2024 07:49:00	17.9	16.5	-1.4	1.04	0.26	-0.78	0.6	SSW
7/24/2024 07:50:00	18.0	16.5	-1.5	0.69	0.26	-0.43	0.6	SSE
7/24/2024 07:51:00	18.0	16.5	-1.5	0.48	0.25	-0.23	0.6	SE
7/24/2024 07:52:00	18.0	16.5	-1.5	0.35	0.24	-0.11	0.7	SE
7/24/2024 07:53:00	18.0	16.5	-1.4	0.28	0.21	-0.07	0.6	S
7/24/2024 07:54:00	18.1	16.5	-1.5	0.24	0.18	-0.06	0.6	SE
7/24/2024 07:55:00	18.0	16.5	-1.5	0.21	0.16	-0.05	0.6	W
7/24/2024 07:56:00	17.8	16.5	-1.2	0.18	0.15	-0.03	0.6	SSE
7/24/2024 07:57:00	17.6	16.5	-1.2	0.16	0.15	-0.01	0.6	SE
7/24/2024 07:58:00	17.2	16.5	-0.8	0.13	0.14	0.01	0.6	SE
7/24/2024 07:59:00	17.2	16.5	-0.8	0.11	0.13	0.02	0.7	SE
7/24/2024 08:00:00	17.2	16.4	-0.8	0.10	0.13	0.03	0.7	ESE
7/24/2024 08:01:00	17.0	16.3	-0.7	0.08	0.12	0.04	0.7	NE
7/24/2024 08:02:00	17.0	16.2	-0.7	0.08	0.12	0.03	0.7	SE
7/24/2024 08:03:00	16.9	16.2	-0.8	0.08	0.11	0.03	0.7	SSE
7/24/2024 08:04:00	16.9	16.1	-0.8	0.06	0.10	0.04	0.8	SSE
7/24/2024 08:05:00	16.8	16.0	-0.8	0.05	0.09	0.04	0.8	S
7/24/2024 08:06:00	16.8	15.9	-0.9	0.05	0.09	0.04	0.8	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
7/24/2024 08:07:00	16.7	15.8	-0.9	0.05	0.08	0.03	0.8	SSW
7/24/2024 08:08:00	16.5	15.6	-0.9	0.05	0.07	0.02	0.7	SSW
7/24/2024 08:09:00	16.3	15.4	-0.8	0.05	0.07	0.03	0.8	SSE
7/24/2024 08:10:00	16.1	15.3	-0.8	0.04	0.08	0.04	0.9	SE
7/24/2024 08:11:00	15.9	15.2	-0.8	0.04	0.07	0.03	0.9	SE
7/24/2024 08:12:00	15.8	15.1	-0.7	0.04	0.05	0.02	0.7	N
7/24/2024 08:13:00	15.6	15.0	-0.6	0.03	0.05	0.01	0.7	SSE
7/24/2024 08:14:00	15.3	14.8	-0.5	0.03	0.05	0.02	0.6	SSW
7/24/2024 08:15:00	15.2	14.6	-0.6	0.03	0.04	0.02	0.6	ESE
7/24/2024 08:16:00	15.1	14.5	-0.6	0.03	0.04	0.01	0.7	ESE
7/24/2024 08:17:00	14.9	14.4	-0.5	0.01	0.04	0.03	0.6	NE
7/24/2024 08:18:00	14.8	14.3	-0.5	0.01	0.05	0.04	0.6	SSE
7/24/2024 08:19:00	14.6	14.2	-0.4	0.01	0.06	0.05	0.6	SSW
7/24/2024 08:20:00	14.4	14.1	-0.3	0.01	0.07	0.06	0.7	SE
7/24/2024 08:21:00	14.2	13.9	-0.3	0.01	0.07	0.06	0.6	SSE
7/24/2024 08:22:00	13.9	13.7	-0.2	0.00	0.07	0.07	0.6	SW
7/24/2024 08:23:00	13.8	13.6	-0.2	0.00	0.09	0.09	0.6	SSE
7/24/2024 08:24:00	13.6	13.4	-0.2	0.01	0.10	0.09	0.6	SSE
7/24/2024 08:25:00	13.4	13.3	-0.1	0.01	0.10	0.09	0.7	SE
7/24/2024 08:26:00	13.2	13.1	0.0	0.02	0.10	0.08	0.7	SSE
7/24/2024 08:27:00	13.0	12.9	-0.1	0.02	0.11	0.09	0.8	SSE
7/24/2024 08:28:00	12.8	12.7	-0.1	0.02	0.12	0.10	0.8	SE
7/24/2024 08:29:00	12.7	12.5	-0.2	0.02	0.12	0.10	0.8	ESE
7/24/2024 08:30:00	12.5	12.4	-0.1	0.02	0.12	0.10	0.8	E
7/24/2024 08:31:00	12.3	12.2	-0.1	0.03	0.13	0.10	0.7	WSW
7/24/2024 08:32:00	12.1	11.9	-0.2	0.03	0.13	0.10	0.8	SE
7/24/2024 08:33:00	11.8	11.7	-0.1	0.03	0.12	0.09	0.8	SE
7/24/2024 08:34:00	11.5	11.4	-0.2	0.03	0.10	0.08	0.9	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
7/24/2024 08:35:00	11.3	11.2	-0.1	0.03	0.09	0.06	0.8	NW
7/24/2024 08:36:00	11.1	11.0	-0.1	0.03	0.09	0.06	0.8	SSE
7/24/2024 08:37:00	11.0	10.8	-0.2	0.03	0.09	0.07	0.8	SE
7/24/2024 08:38:00	10.9	10.7	-0.3	0.03	0.07	0.05	0.8	SE
7/24/2024 08:39:00	10.8	10.5	-0.3	0.02	0.05	0.03	0.8	ESE
7/24/2024 08:40:00	10.7	10.4	-0.3	0.01	0.04	0.03	0.8	SE
7/24/2024 08:41:00	10.6	10.3	-0.3	0.01	0.03	0.03	0.8	S
7/24/2024 08:42:00	10.5	10.3	-0.2	0.01	0.03	0.02	0.8	SSE
7/24/2024 08:43:00	10.5	10.3	-0.2	0.01	0.03	0.02	0.8	SE
7/24/2024 08:44:00	10.4	10.2	-0.2	0.01	0.02	0.01	0.8	S
7/24/2024 08:45:00	10.4	10.2	-0.2	0.00	0.02	0.02	0.8	SE
7/24/2024 08:46:00	10.3	10.2	-0.2	0.00	0.02	0.02	0.9	SSE
7/24/2024 08:47:00	10.3	10.1	-0.2	0.00	0.02	0.02	0.8	SE
7/24/2024 08:48:00	13.8	10.1	-3.6	0.00	0.02	0.02	0.9	SE
7/24/2024 08:49:00	18.6	10.2	-8.4	0.00	0.02	0.01	0.8	SSW
7/24/2024 08:50:00	18.6	11.8	-6.8	0.00	0.02	0.01	0.8	NNE
7/24/2024 08:51:00	19.9	11.9	-8.0	0.00	0.01	0.01	0.8	SE
7/24/2024 08:52:00	19.9	12.7	-7.1	0.01	0.02	0.01	0.8	ESE
7/24/2024 08:53:00	20.3	12.8	-7.5	0.01	0.02	0.01	0.8	ESE
7/24/2024 08:54:00	20.3	13.1	-7.2	0.01	0.02	0.01	0.7	NNW
7/24/2024 08:55:00	20.6	13.2	-7.4	0.02	0.03	0.01	0.6	SE
7/24/2024 08:56:00	20.9	13.3	-7.6	0.02	0.03	0.01	0.7	SSE
7/24/2024 08:57:00	21.6	13.3	-8.3	0.03	0.03	0.01	0.7	SE
7/24/2024 08:58:00	21.9	13.4	-8.4	0.03	0.03	0.00	0.7	SE
7/24/2024 08:59:00	22.0	13.5	-8.5	0.03	0.03	0.00	0.7	SSE
7/24/2024 09:00:00	22.2	13.7	-8.5	0.03	0.03	0.00	0.7	SE
7/24/2024 09:01:00	22.3	13.8	-8.5	0.03	0.03	0.00	0.7	SE
7/24/2024 09:02:00	22.3	13.9	-8.4	0.03	0.03	0.01	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
7/24/2024 09:03:00	18.9	14.0	-4.9	0.03	0.03	0.01	0.6	N
7/24/2024 09:04:00	14.3	14.1	-0.2	0.03	0.03	0.01	0.6	SSE
7/24/2024 09:05:00	14.4	12.4	-2.0	0.02	0.04	0.01	0.7	ESE
7/24/2024 09:06:00	13.2	12.6	-0.6	0.02	0.04	0.01	0.7	ESE
7/24/2024 09:07:00	13.2	11.9	-1.3	0.02	0.03	0.01	0.6	NNW
7/24/2024 09:08:00	13.0	11.9	-1.0	0.01	0.03	0.02	0.5	W
7/24/2024 09:09:00	13.1	11.8	-1.4	0.01	0.04	0.02	0.5	WNW
7/24/2024 09:10:00	13.1	11.8	-1.3	0.01	0.05	0.04	0.5	SE
7/24/2024 09:11:00	13.2	12.0	-1.2	0.01	0.05	0.04	0.5	ESE
7/24/2024 09:12:00	12.8	12.1	-0.7	0.01	0.04	0.04	0.4	SSW
7/24/2024 09:13:00	12.8	12.2	-0.6	0.01	0.04	0.04	0.4	SSW
7/24/2024 09:14:00	13.2	12.4	-0.7	0.01	0.04	0.04	0.4	S
7/24/2024 09:15:00	13.4	12.7	-0.8	0.01	0.04	0.03	0.4	E
7/24/2024 09:16:00	13.7	12.9	-0.8	0.01	0.04	0.03	0.3	SE
7/24/2024 09:17:00	14.1	13.2	-0.9	0.01	0.04	0.03	0.3	SE
7/24/2024 09:18:00	14.5	13.4	-1.0	0.01	0.04	0.03	0.4	ESE
7/24/2024 09:19:00	14.9	13.7	-1.2	0.01	0.04	0.03	0.4	SE
7/24/2024 09:20:00	15.3	14.0	-1.3	0.01	0.04	0.03	0.3	S
7/24/2024 09:21:00	15.7	14.2	-1.5	0.01	0.04	0.03	0.4	ESE
7/24/2024 09:22:00	16.1	14.6	-1.5	0.01	0.04	0.03	0.4	ESE
7/24/2024 09:23:00	16.4	15.0	-1.4	0.01	0.04	0.03	0.6	SE
7/24/2024 09:24:00	16.6	15.3	-1.3	0.01	0.03	0.01	0.6	NNW
7/24/2024 09:25:00	16.8	15.6	-1.2	0.02	0.02	0.00	0.5	NNE
7/24/2024 09:26:00	16.9	15.8	-1.0	0.02	0.02	0.00	0.5	SSE
7/24/2024 09:27:00	17.0	16.0	-1.0	0.03	0.02	-0.01	0.5	SE
7/24/2024 09:28:00	17.0	16.1	-0.9	0.06	0.02	-0.04	0.6	SE
7/24/2024 09:29:00	16.8	16.1	-0.6	0.09	0.02	-0.06	0.6	SE
7/24/2024 09:30:00	16.9	16.1	-0.8	0.11	0.02	-0.09	0.6	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/24/2024 09:31:00	16.9	16.2	-0.7	0.11	0.06	-0.05	0.6	ENE
7/24/2024 09:32:00	16.8	16.3	-0.6	0.11	0.07	-0.03	0.5	NNW
7/24/2024 09:33:00	16.9	16.4	-0.5	0.11	0.07	-0.04	0.4	SW
7/24/2024 09:34:00	16.8	16.5	-0.3	0.12	0.07	-0.04	0.4	S
7/24/2024 09:35:00	16.8	16.6	-0.2	0.12	0.07	-0.04	0.5	SE
7/24/2024 09:36:00	16.8	16.6	-0.2	0.12	0.07	-0.04	0.4	S
7/24/2024 09:37:00	16.9	16.6	-0.3	0.12	0.07	-0.04	0.4	SSE
7/24/2024 09:38:00	16.9	16.7	-0.2	0.12	0.07	-0.04	0.3	NW
7/24/2024 09:39:00	16.9	16.7	-0.2	0.11	0.07	-0.04	0.4	SE
7/24/2024 09:40:00	17.0	16.7	-0.3	0.11	0.07	-0.04	0.5	ESE
7/24/2024 09:41:00	17.1	16.8	-0.3	0.10	0.06	-0.04	0.5	E
7/24/2024 09:42:00	17.2	16.9	-0.2	0.09	0.06	-0.03	0.4	SE
7/24/2024 09:43:00	17.3	17.0	-0.3	0.06	0.06	-0.01	0.4	SE
7/24/2024 09:44:00	17.7	17.3	-0.4	0.04	0.06	0.02	0.5	ESE
7/24/2024 09:45:00	17.8	17.4	-0.3	0.01	0.06	0.05	0.5	ESE
7/24/2024 09:46:00	17.9	17.6	-0.4	0.01	0.02	0.01	0.5	S
7/24/2024 09:47:00	18.0	17.7	-0.3	0.01	0.01	-0.01	0.6	SE
7/24/2024 09:48:00	18.2	17.8	-0.4	0.01	0.01	0.00	0.7	SE
7/24/2024 09:49:00	18.3	17.8	-0.5	0.00	0.01	0.00	0.7	S
7/24/2024 09:50:00	18.2	18.0	-0.3	0.00	0.01	0.00	0.6	NW
7/24/2024 09:51:00	18.3	18.1	-0.2	0.01	0.01	0.00	0.6	SE
7/24/2024 09:52:00	18.3	18.2	-0.1	0.01	0.01	0.00	0.6	SSE
7/24/2024 09:53:00	18.4	18.2	-0.1	0.01	0.01	0.00	0.7	SE
7/24/2024 09:54:00	18.4	18.3	0.0	0.00	0.01	0.01	0.7	SE
7/24/2024 09:55:00	18.4	18.5	0.1	0.00	0.01	0.01	0.6	SW
7/24/2024 09:56:00	18.5	18.5	0.0	0.00	0.01	0.01	0.7	SSE
7/24/2024 09:57:00	18.6	18.5	-0.1	0.00	0.01	0.01	0.7	SE
7/24/2024 09:58:00	18.6	18.5	-0.1	0.00	0.01	0.01	0.7	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
7/24/2024 09:59:00	18.5	18.4	-0.1	0.00	0.01	0.00	0.8	SE
7/24/2024 10:00:00	18.4	18.3	-0.1	0.00	0.01	0.00	0.8	SSE
7/24/2024 10:01:00	18.4	18.2	-0.3	0.00	0.00	0.00	0.9	SE
7/24/2024 10:02:00	18.5	18.1	-0.4	0.00	0.00	0.00	0.8	SSE
7/24/2024 10:03:00	18.4	18.0	-0.4	0.00	0.00	0.00	0.8	ESE
7/24/2024 10:04:00	18.3	17.9	-0.3	0.00	0.00	0.00	0.8	ESE
7/24/2024 10:05:00	18.2	17.8	-0.5	0.00	0.00	0.00	0.9	SSE
7/24/2024 10:06:00	18.1	17.8	-0.4	0.00	0.00	0.00	0.8	N
7/24/2024 10:07:00	18.1	17.6	-0.5	0.00	0.00	0.00	0.9	SE
7/24/2024 10:08:00	17.9	17.5	-0.4	0.00	0.00	0.00	0.8	ESE
7/24/2024 10:09:00	17.9	17.4	-0.5	0.00	0.00	0.00	0.8	E
7/24/2024 10:10:00	17.9	17.3	-0.6	0.00	0.00	0.00	0.8	SSE
7/24/2024 10:11:00	17.9	17.1	-0.7	0.00	0.00	0.00	0.8	SE
7/24/2024 10:12:00	17.8	17.1	-0.6	0.00	0.00	0.00	0.7	E
7/24/2024 10:13:00	17.8	17.2	-0.6	0.00	0.00	0.00	0.8	SE
7/24/2024 10:14:00	17.8	17.1	-0.7	0.00	0.00	0.00	0.7	SE
7/24/2024 10:15:00	17.7	18.2	0.5	0.00	0.00	0.00	0.7	ENE
7/24/2024 10:16:00	17.5	18.8	1.3	0.00	0.00	0.00	0.5	NW
7/24/2024 10:17:00	17.4	19.3	1.9	0.01	0.00	0.00	0.5	E
7/24/2024 10:18:00	17.6	19.3	1.7	0.01	0.00	0.00	0.5	SE
7/24/2024 10:19:00	17.6	19.3	1.6	0.01	0.00	0.00	0.6	SE
7/24/2024 10:20:00	17.6	19.2	1.6	0.01	0.00	0.00	0.6	SE
7/24/2024 10:21:00	17.5	19.2	1.6	0.00	0.00	0.00	0.6	WNW
7/24/2024 10:22:00	17.6	19.1	1.6	0.00	0.00	0.00	0.5	WSW
7/24/2024 10:23:00	17.8	19.1	1.3	0.00	0.00	0.00	0.5	SE
7/24/2024 10:24:00	18.1	19.0	0.9	0.00	0.00	0.00	0.6	SE
7/24/2024 10:25:00	18.2	19.0	0.8	0.00	0.00	0.00	0.6	ESE
7/24/2024 10:26:00	18.2	19.0	0.9	0.00	0.00	0.00	0.7	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/24/2024 10:27:00	18.2	19.0	0.9	0.00	0.01	0.00	0.6	SE
7/24/2024 10:28:00	18.1	19.0	1.0	0.00	0.01	0.01	0.5	W
7/24/2024 10:29:00	18.0	19.1	1.1	0.00	0.01	0.01	0.5	SSE
7/24/2024 10:30:00	18.1	18.1	0.0	0.00	0.01	0.01	0.6	SSE
7/24/2024 10:31:00	18.3	17.6	-0.7	0.00	0.01	0.01	0.7	E
7/24/2024 10:32:00	19.2	17.2	-2.0	0.00	0.01	0.01	0.7	SE
7/24/2024 10:33:00	20.1	17.4	-2.7	0.00	0.01	0.01	0.6	SE
7/24/2024 10:34:00	20.2	17.5	-2.8	0.00	0.01	0.01	0.6	E
7/24/2024 10:35:00	20.4	17.5	-2.9	0.01	0.01	0.00	0.5	ENE
7/24/2024 10:36:00	20.8	17.6	-3.2	0.01	0.01	0.00	0.6	SE
7/24/2024 10:37:00	21.4	17.8	-3.6	0.01	0.02	0.01	0.6	SSW
7/24/2024 10:38:00	21.4	18.0	-3.4	0.01	0.03	0.02	0.6	SE
7/24/2024 10:39:00	21.1	18.2	-2.9	0.01	0.03	0.02	0.6	SSW
7/24/2024 10:40:00	21.4	18.5	-2.9	0.01	0.03	0.02	0.6	S
7/24/2024 10:41:00	22.3	18.7	-3.6	0.01	0.03	0.02	0.6	SE
7/24/2024 10:42:00	23.7	18.9	-4.8	0.01	0.03	0.02	0.7	SE
7/24/2024 10:43:00	24.5	19.1	-5.4	0.01	0.03	0.02	0.8	SSE
7/24/2024 10:44:00	25.0	19.4	-5.7	0.01	0.03	0.02	0.8	SSE
7/24/2024 10:45:00	25.1	19.6	-5.5	0.01	0.03	0.02	0.8	SE
7/24/2024 10:46:00	25.4	19.7	-5.7	0.01	0.03	0.02	0.8	SSE
7/24/2024 10:47:00	24.7	19.8	-4.9	0.01	0.03	0.02	0.8	SW
7/24/2024 10:48:00	24.0	19.9	-4.0	0.01	0.03	0.02	0.8	SE
7/24/2024 10:49:00	24.1	20.3	-3.8	0.01	0.03	0.02	0.8	NNE
7/24/2024 10:50:00	24.3	20.5	-3.8	0.00	0.03	0.03	0.8	SSE
7/24/2024 10:51:00	24.4	20.5	-3.9	0.00	0.02	0.02	0.8	SE
7/24/2024 10:52:00	23.9	20.6	-3.3	0.00	0.01	0.01	1.0	SSE
7/24/2024 10:53:00	23.9	20.6	-3.3	0.00	0.00	0.00	1.0	SSE
7/24/2024 10:54:00	24.6	20.6	-3.9	0.00	0.00	0.00	1.0	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
7/24/2024 10:55:00	24.2	20.6	-3.6	0.00	0.00	0.00	1.0	SE
7/24/2024 10:56:00	23.6	20.4	-3.1	0.00	0.00	0.00	1.0	SE
7/24/2024 10:57:00	22.3	20.3	-2.0	0.00	0.00	0.00	1.0	ESE
7/24/2024 10:58:00	21.8	20.1	-1.7	0.00	0.00	0.00	1.0	SE
7/24/2024 10:59:00	21.3	20.3	-1.0	0.00	0.00	0.00	1.0	E
7/24/2024 11:00:00	21.2	20.3	-0.9	0.00	0.00	0.00	0.9	NNW
7/24/2024 11:01:00	21.0	20.0	-1.0	0.00	0.00	0.00	0.9	ESE
7/24/2024 11:02:00	20.7	20.0	-0.7	0.00	0.00	0.00	0.9	NNE
7/24/2024 11:03:00	20.2	19.7	-0.5	0.01	0.00	-0.01	0.9	ENE
7/24/2024 11:04:00	19.9	19.3	-0.6	0.05	0.01	-0.04	0.8	NNW
7/24/2024 11:05:00	19.4	19.0	-0.4	0.06	0.04	-0.02	0.8	ESE
7/24/2024 11:06:00	18.9	18.7	-0.2	0.06	0.05	-0.02	0.8	S
7/24/2024 11:07:00	18.8	18.4	-0.4	0.07	0.05	-0.02	0.8	SSE
7/24/2024 11:08:00	18.5	18.1	-0.4	0.07	0.05	-0.02	0.8	S
7/24/2024 11:09:00	18.2	17.8	-0.4	0.07	0.05	-0.02	0.8	SSE
7/24/2024 11:10:00	18.4	17.6	-0.8	0.07	0.05	-0.02	0.8	SE
7/24/2024 11:11:00	18.1	17.4	-0.7	0.07	0.05	-0.02	0.8	SE
7/24/2024 11:12:00	17.9	17.2	-0.7	0.07	0.05	-0.02	0.8	SE
7/24/2024 11:13:00	17.4	17.1	-0.3	0.07	0.05	-0.02	0.7	N
7/24/2024 11:14:00	17.4	16.5	-0.9	0.07	0.05	-0.02	0.7	SE
7/24/2024 11:15:00	17.3	16.3	-1.0	0.07	0.04	-0.02	0.8	E
7/24/2024 11:16:00	17.0	16.2	-0.8	0.07	0.04	-0.02	0.8	E
7/24/2024 11:17:00	16.9	15.9	-1.1	0.07	0.04	-0.02	0.9	ESE
7/24/2024 11:18:00	16.9	15.7	-1.2	0.06	0.04	-0.02	0.9	ESE
7/24/2024 11:19:00	16.8	15.7	-1.2	0.02	0.04	0.02	0.9	NNW
7/24/2024 11:20:00	16.8	15.6	-1.1	0.01	0.01	-0.01	0.8	N
7/24/2024 11:21:00	16.7	15.6	-1.0	0.00	0.00	0.00	0.8	SW
7/24/2024 11:22:00	16.5	15.6	-0.9	0.00	0.00	0.00	0.7	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/24/2024 11:23:00	16.4	15.5	-0.9	0.00	0.00	0.00	0.7	SSE
7/24/2024 11:24:00	16.0	15.4	-0.5	0.00	0.00	0.00	0.6	SE
7/24/2024 11:25:00	15.7	15.3	-0.3	0.00	0.00	0.00	0.6	SE
7/24/2024 11:26:00	15.6	15.3	-0.3	0.00	0.00	0.00	0.6	SE
7/24/2024 11:27:00	15.5	15.2	-0.3	0.00	0.00	0.00	0.6	SSE
7/24/2024 11:28:00	15.6	15.1	-0.5	0.00	0.00	0.00	0.7	SE
7/24/2024 11:29:00	15.4	15.0	-0.4	0.00	0.00	0.00	0.6	SW
7/24/2024 11:30:00	15.5	14.9	-0.6	0.00	0.00	0.00	0.5	W
7/24/2024 11:31:00	15.5	14.7	-0.8	0.00	0.00	0.00	0.5	SE
7/24/2024 11:32:00	15.4	14.6	-0.8	0.00	0.00	0.00	0.4	SE
7/24/2024 11:33:00	15.5	14.5	-0.9	0.00	0.00	0.00	0.4	SE
7/24/2024 11:34:00	15.5	14.4	-1.0	0.00	0.00	0.00	0.6	ESE
7/24/2024 11:35:00	15.4	14.4	-1.0	0.00	0.00	0.00	0.6	ESE
7/24/2024 11:36:00	15.4	14.4	-1.1	0.00	0.00	0.00	0.7	SE
7/24/2024 11:37:00	15.5	14.3	-1.2	0.00	0.00	0.00	0.7	SE
7/24/2024 11:38:00	15.5	14.2	-1.3	0.00	0.00	0.00	0.7	ESE
7/24/2024 11:39:00	15.5	14.2	-1.3	0.00	0.00	0.00	0.7	ESE
7/24/2024 11:40:00	15.4	14.3	-1.1	0.00	0.00	0.00	0.6	ENE
7/24/2024 11:41:00	15.3	14.3	-1.1	0.00	0.00	0.00	0.6	ESE
7/24/2024 11:42:00	15.2	14.3	-0.9	0.00	0.00	0.00	0.5	ESE
7/24/2024 11:43:00	15.1	14.4	-0.7	0.00	0.00	0.00	0.5	NNE
7/24/2024 11:44:00	15.2	14.4	-0.8	0.00	0.00	0.00	0.5	SE
7/24/2024 11:45:00	15.1	14.5	-0.7	0.00	0.01	0.00	0.5	NNE
7/24/2024 11:46:00	15.2	14.6	-0.6	0.00	0.01	0.01	0.5	NE
7/24/2024 11:47:00	15.2	14.8	-0.4	0.00	0.01	0.01	0.6	SSE
7/24/2024 11:48:00	15.1	14.9	-0.2	0.00	0.01	0.01	0.5	S
7/24/2024 11:49:00	14.9	14.9	0.0	0.00	0.01	0.01	0.4	W
7/24/2024 11:50:00	14.9	14.9	0.0	0.00	0.01	0.01	0.4	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
7/24/2024 11:51:00	14.9	14.9	0.0	0.00	0.01	0.01	0.2	WNW
7/24/2024 11:52:00	14.8	14.9	0.1	0.01	0.01	0.01	0.2	NNW
7/24/2024 11:53:00	14.8	15.0	0.2	0.01	0.01	0.00	0.2	E
7/24/2024 11:54:00	14.7	15.0	0.3	0.02	0.01	-0.01	0.1	NNW
7/24/2024 11:55:00	14.8	14.9	0.0	0.02	0.01	-0.01	0.1	NE
7/24/2024 11:56:00	14.9	14.8	-0.1	0.03	0.01	-0.01	0.2	NE
7/24/2024 11:57:00	15.1	14.7	-0.3	0.03	0.01	-0.02	0.2	E
7/24/2024 11:58:00	15.1	14.8	-0.3	0.03	0.01	-0.02	0.2	SE
7/24/2024 11:59:00	15.2	14.8	-0.4	0.03	0.01	-0.02	0.3	ENE
7/24/2024 12:00:00	15.3	14.7	-0.6	0.03	0.01	-0.02	0.3	ESE
7/24/2024 12:01:00	15.4	14.8	-0.6	0.03	0.00	-0.03	0.3	ENE
7/24/2024 12:02:00	15.6	14.8	-0.8	0.03	0.00	-0.03	0.3	ESE
7/24/2024 12:03:00	15.9	14.9	-1.0	0.03	0.00	-0.03	0.4	E
7/24/2024 12:04:00	15.9	15.0	-1.0	0.03	0.00	-0.03	0.5	SSE
7/24/2024 12:05:00	16.1	15.1	-0.9	0.03	0.00	-0.03	0.5	ESE
7/24/2024 12:06:00	16.1	15.4	-0.7	0.03	0.00	-0.03	0.7	SE
7/24/2024 12:07:00	16.1	15.6	-0.5	0.03	0.00	-0.03	0.8	SE
7/24/2024 12:08:00	16.3	15.7	-0.6	0.02	0.00	-0.02	0.8	NE
7/24/2024 12:09:00	16.5	16.6	0.1	0.01	0.00	-0.01	0.9	ESE
7/24/2024 12:10:00	16.7	20.8	4.2	0.01	0.00	-0.01	0.9	E
7/24/2024 12:11:00	16.9	21.6	4.6	0.01	0.00	-0.01	0.9	ENE
7/24/2024 12:12:00	17.3	22.2	4.9	0.01	0.00	0.00	0.8	N
7/24/2024 12:13:00	17.7	22.4	4.7	0.01	0.00	0.00	0.8	E
7/24/2024 12:14:00	17.7	22.8	5.1	0.00	0.00	0.00	0.9	ESE
7/24/2024 12:15:00	17.9	22.9	5.0	0.00	0.00	0.00	0.9	ENE
7/24/2024 12:16:00	18.0	22.9	4.9	0.00	0.00	0.00	0.7	NW
7/24/2024 12:17:00	18.0	22.9	4.9	0.01	0.00	-0.01	0.7	NNE
7/24/2024 12:18:00	17.9	23.1	5.2	0.01	0.01	0.00	0.7	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
7/24/2024 12:19:00	18.1	23.0	4.9	0.01	0.01	0.00	0.6	N
7/24/2024 12:20:00	18.2	23.3	5.1	0.02	0.01	-0.01	0.6	E
7/24/2024 12:21:00	18.6	23.2	4.6	0.02	0.01	-0.01	0.5	SE
7/24/2024 12:22:00	18.6	23.1	4.5	0.02	0.01	0.00	0.5	S
7/24/2024 12:23:00	18.5	23.1	4.6	0.02	0.01	0.00	0.4	NW
7/24/2024 12:24:00	18.4	22.3	3.9	0.02	0.02	0.00	0.3	SE
7/24/2024 12:25:00	18.3	18.2	0.0	0.02	0.02	0.01	0.3	SE
7/24/2024 12:26:00	17.9	17.6	-0.3	0.02	0.03	0.01	0.3	SE
7/24/2024 12:27:00	17.5	17.1	-0.4	0.02	0.03	0.01	0.4	ESE
7/24/2024 12:28:00	17.2	16.9	-0.3	0.02	0.02	0.01	0.4	ESE
7/24/2024 12:29:00	17.1	16.5	-0.6	0.02	0.02	0.01	0.4	SE
7/24/2024 12:30:00	16.7	16.5	-0.2	0.02	0.02	0.01	0.4	NE
7/24/2024 12:31:00	16.6	16.5	-0.1	0.02	0.02	0.01	0.5	S
7/24/2024 12:32:00	16.5	16.4	0.0	0.01	0.02	0.02	0.5	NNE
7/24/2024 12:33:00	16.6	16.3	-0.3	0.01	0.02	0.01	0.5	S
7/24/2024 12:34:00	16.5	16.4	-0.1	0.00	0.02	0.01	0.6	SE
7/24/2024 12:35:00	16.5	16.2	-0.4	0.00	0.02	0.02	0.5	WNW
7/24/2024 12:36:00	16.2	16.2	0.0	0.00	0.03	0.03	0.5	ESE
7/24/2024 12:37:00	16.3	16.3	0.0	0.00	0.03	0.02	0.5	NE
7/24/2024 12:38:00	16.3	16.4	0.0	0.00	0.03	0.02	0.6	S
7/24/2024 12:39:00	16.3	16.4	0.1	0.00	0.02	0.02	0.6	E
7/24/2024 12:40:00	16.4	16.5	0.1	0.00	0.01	0.01	0.6	ENE
7/24/2024 12:41:00	16.6	16.7	0.1	0.00	0.01	0.01	0.5	NNE
7/24/2024 12:42:00	16.7	16.9	0.2	0.00	0.01	0.01	0.5	ENE
7/24/2024 12:43:00	16.8	17.1	0.3	0.00	0.01	0.01	0.5	SE
7/24/2024 12:44:00	17.0	17.3	0.3	0.00	0.01	0.01	0.4	NNW
7/24/2024 12:45:00	17.1	17.4	0.3	0.00	0.01	0.01	0.4	SE
7/24/2024 12:46:00	17.3	17.6	0.3	0.00	0.01	0.01	0.5	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/24/2024 12:47:00	17.5	17.8	0.3	0.00	0.01	0.01	0.6	ENE
7/24/2024 12:48:00	18.1	18.0	-0.1	0.00	0.01	0.01	0.5	NW
7/24/2024 12:49:00	18.5	18.3	-0.2	0.01	0.01	0.00	0.5	NE
7/24/2024 12:50:00	18.8	18.4	-0.4	0.01	0.02	0.00	0.6	ESE
7/24/2024 12:51:00	18.9	18.9	-0.1	0.03	0.01	-0.01	0.6	NE
7/24/2024 12:52:00	19.1	19.1	0.0	0.04	0.01	-0.03	0.6	NE
7/24/2024 12:53:00	19.4	19.1	-0.3	0.04	0.03	-0.01	0.7	ESE
7/24/2024 12:54:00	19.4	19.3	-0.1	0.04	0.03	-0.01	0.6	NNE
7/24/2024 12:55:00	19.6	19.3	-0.2	0.04	0.03	-0.01	0.5	WNW
7/24/2024 12:56:00	19.4	19.3	-0.1	0.04	0.03	-0.02	0.5	NE
7/24/2024 12:57:00	19.4	19.3	-0.1	0.05	0.03	-0.02	0.5	NE
7/24/2024 12:58:00	19.4	19.4	0.0	0.06	0.04	-0.01	0.5	NNE
7/24/2024 12:59:00	19.3	19.3	0.0	0.07	0.05	-0.02	0.5	ESE
7/24/2024 13:00:00	19.4	19.2	-0.2	0.07	0.06	-0.01	0.5	SSE
7/24/2024 13:01:00	19.4	19.2	-0.2	0.07	0.06	-0.01	0.5	N
7/24/2024 13:02:00	19.1	19.1	0.0	0.07	0.07	0.00	0.5	NE
7/24/2024 13:03:00	19.6	19.0	-0.6	0.07	0.08	0.00	0.5	SE
7/24/2024 13:04:00	19.3	20.1	0.9	0.07	0.08	0.01	0.4	NW
7/24/2024 13:05:00	19.7	20.1	0.4	0.07	0.07	0.00	0.4	WNW
7/24/2024 13:06:00	19.7	20.3	0.6	0.06	0.07	0.01	0.3	NW
7/24/2024 13:07:00	19.7	20.4	0.8	0.05	0.07	0.02	0.3	NW
7/24/2024 13:08:00	19.5	20.4	0.9	0.06	0.05	-0.01	0.3	WNW
7/24/2024 13:09:00	19.6	20.3	0.6	0.07	0.05	-0.02	0.4	NNW
7/24/2024 13:10:00	19.6	20.4	0.9	0.07	0.07	-0.01	0.4	WNW
7/24/2024 13:11:00	19.9	20.4	0.6	0.08	0.07	-0.01	0.5	NE
7/24/2024 13:12:00	20.1	20.8	0.7	0.07	0.07	0.00	0.4	ESE
7/24/2024 13:13:00	20.6	20.7	0.1	0.07	0.06	-0.01	0.3	ESE
7/24/2024 13:14:00	20.8	21.3	0.6	0.06	0.05	-0.01	0.3	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
7/24/2024 13:15:00	20.8	21.7	0.8	0.06	0.05	-0.01	0.3	ESE
7/24/2024 13:16:00	21.2	21.7	0.5	0.06	0.05	-0.01	0.2	E
7/24/2024 13:17:00	21.2	22.1	0.8	0.06	0.03	-0.03	0.2	ESE
7/24/2024 13:18:00	20.4	22.6	2.2	0.05	0.03	-0.02	0.2	SE
7/24/2024 13:19:00	20.5	21.6	1.1	0.05	0.03	-0.02	0.2	ESE
7/24/2024 13:20:00	20.0	22.0	2.0	0.05	0.02	-0.03	0.3	SE
7/24/2024 13:21:00	20.2	21.9	1.7	0.04	0.02	-0.02	0.5	ESE
7/24/2024 13:22:00	20.4	22.0	1.6	0.04	0.02	-0.02	0.5	SW
7/24/2024 13:23:00	20.9	22.2	1.4	0.03	0.02	-0.01	0.6	NE
7/24/2024 13:24:00	20.9	22.7	1.8	0.01	0.02	0.01	0.8	ESE
7/24/2024 13:25:00	21.3	22.7	1.4	0.01	0.01	-0.01	0.9	ESE
7/24/2024 13:26:00	21.5	22.8	1.3	0.00	0.01	0.00	0.9	E
7/24/2024 13:27:00	21.9	22.6	0.7	0.00	0.00	0.00	0.9	E
7/24/2024 13:28:00	21.8	22.6	0.8	0.00	0.00	0.00	0.8	NE
7/24/2024 13:29:00	21.9	22.2	0.3	0.02	0.01	-0.01	0.8	NNE
7/24/2024 13:30:00	21.9	22.3	0.4	0.02	0.02	0.00	0.7	SSE
7/24/2024 13:31:00	21.7	22.6	0.9	0.02	0.03	0.01	0.7	ESE
7/24/2024 13:32:00	21.7	22.5	0.8	0.02	0.03	0.01	0.7	SE
7/24/2024 13:33:00	21.8	22.4	0.6	0.02	0.03	0.01	0.7	SE
7/24/2024 13:34:00	21.7	22.3	0.6	0.02	0.03	0.01	0.7	ESE
7/24/2024 13:35:00	21.5	22.3	0.8	0.02	0.03	0.01	0.6	SE
7/24/2024 13:36:00	21.4	22.2	0.8	0.02	0.03	0.01	0.6	ESE
7/24/2024 13:37:00	21.3	22.1	0.9	0.02	0.03	0.01	0.7	ESE
7/24/2024 13:38:00	20.9	22.3	1.3	0.02	0.03	0.01	0.7	ESE
7/24/2024 13:39:00	21.1	21.9	0.8	0.02	0.03	0.01	0.7	ESE
7/24/2024 13:40:00	20.9	22.1	1.2	0.02	0.03	0.01	0.7	ESE
7/24/2024 13:41:00	20.7	22.4	1.8	0.02	0.03	0.01	0.7	SSE
7/24/2024 13:42:00	20.6	22.7	2.2	0.02	0.02	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
7/24/2024 13:43:00	21.4	23.0	1.6	0.02	0.04	0.01	0.8	E
7/24/2024 13:44:00	21.6	24.1	2.5	0.01	0.03	0.02	0.9	SE
7/24/2024 13:45:00	22.0	24.4	2.4	0.01	0.02	0.00	0.9	SE
7/24/2024 13:46:00	22.3	24.4	2.1	0.01	0.01	0.00	0.9	SSE
7/24/2024 13:47:00	22.5	24.3	1.8	0.02	0.01	0.00	0.9	SE
7/24/2024 13:48:00	22.7	24.3	1.6	0.02	0.01	0.00	0.9	SE
7/24/2024 13:49:00	22.8	24.2	1.4	0.02	0.01	0.00	0.8	WNW
7/24/2024 13:50:00	22.9	24.1	1.1	0.03	0.01	-0.01	0.7	WNW
7/24/2024 13:51:00	23.0	24.0	1.0	0.04	0.01	-0.02	0.6	N
7/24/2024 13:52:00	23.1	24.0	0.8	0.04	0.04	-0.01	0.5	NE
7/24/2024 13:53:00	23.7	24.0	0.3	0.05	0.05	0.00	0.4	NNW
7/24/2024 13:54:00	24.0	24.1	0.1	0.05	0.05	0.00	0.4	ENE
7/24/2024 13:55:00	24.2	24.1	0.0	0.05	0.05	0.00	0.4	ESE
7/24/2024 13:56:00	24.2	23.9	-0.3	0.05	0.05	0.00	0.3	NW
7/24/2024 13:57:00	24.2	23.9	-0.3	0.06	0.05	-0.01	0.2	WNW
7/24/2024 13:58:00	23.2	23.8	0.5	0.07	0.03	-0.03	0.3	WNW
7/24/2024 13:59:00	22.8	22.8	0.0	0.06	0.03	-0.03	0.5	WNW
7/24/2024 14:00:00	22.6	22.3	-0.3	0.06	0.04	-0.02	0.6	W
7/24/2024 14:01:00	22.4	22.2	-0.2	0.07	0.04	-0.03	0.8	WNW
7/24/2024 14:02:00	22.3	22.2	-0.1	0.09	0.04	-0.05	1.0	WNW
7/24/2024 14:03:00	22.2	22.2	0.0	0.10	0.04	-0.06	1.1	NW
7/24/2024 14:04:00	22.3	22.1	-0.2	0.10	0.05	-0.05	1.1	WNW
7/24/2024 14:05:00	22.2	22.1	-0.1	0.10	0.05	-0.05	1.0	E
7/24/2024 14:06:00	22.2	22.1	-0.1	0.09	0.05	-0.04	0.9	E
7/24/2024 14:07:00	22.2	22.1	-0.2	0.09	0.03	-0.06	0.9	WSW
7/24/2024 14:08:00	22.0	22.3	0.3	0.08	0.02	-0.06	0.9	W
7/24/2024 14:09:00	21.9	22.5	0.6	0.09	0.02	-0.07	1.1	WNW
7/24/2024 14:10:00	21.9	22.8	0.9	0.11	0.02	-0.09	1.1	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/24/2024 14:11:00	22.0	23.1	1.1	0.14	0.02	-0.12	1.0	NW
7/24/2024 14:12:00	22.2	23.1	0.9	0.13	0.05	-0.09	0.8	SE
7/24/2024 14:13:00	22.4	23.2	0.8	0.12	0.06	-0.07	0.7	WNW
7/24/2024 14:14:00	22.6	23.3	0.8	0.12	0.06	-0.06	0.5	ESE
7/24/2024 14:15:00	22.6	23.6	0.9	0.12	0.05	-0.06	0.4	WSW
7/24/2024 14:16:00	22.9	23.7	0.8	0.10	0.05	-0.05	0.4	WNW
7/24/2024 14:17:00	23.2	23.7	0.6	0.09	0.05	-0.04	0.4	WNW
7/24/2024 14:18:00	23.3	23.7	0.4	0.10	0.05	-0.05	0.4	NW
7/24/2024 14:19:00	23.2	23.6	0.4	0.14	0.04	-0.10	0.4	NW
7/24/2024 14:20:00	23.3	23.5	0.3	0.18	0.04	-0.14	0.6	NW
7/24/2024 14:21:00	23.4	23.4	0.0	0.21	0.04	-0.16	0.7	WNW
7/24/2024 14:22:00	23.3	23.3	0.0	0.21	0.06	-0.15	0.6	SSE
7/24/2024 14:23:00	23.1	23.0	-0.1	0.22	0.06	-0.16	0.6	NW
7/24/2024 14:24:00	22.8	22.7	-0.1	0.21	0.06	-0.15	0.5	SE
7/24/2024 14:25:00	22.7	22.4	-0.3	0.19	0.06	-0.13	0.6	WNW
7/24/2024 14:26:00	22.7	22.0	-0.6	0.17	0.06	-0.11	0.7	WNW
7/24/2024 14:27:00	22.5	21.9	-0.6	0.19	0.04	-0.16	0.8	NW
7/24/2024 14:28:00	22.4	21.7	-0.7	0.21	0.03	-0.18	0.8	NW
7/24/2024 14:29:00	22.5	21.6	-0.9	0.23	0.02	-0.21	1.0	NNW
7/24/2024 14:30:00	22.6	21.4	-1.2	0.26	0.02	-0.24	1.0	NNW
7/24/2024 14:31:00	22.4	21.5	-0.9	0.26	0.05	-0.21	0.9	S
7/24/2024 14:32:00	22.3	21.5	-0.8	0.26	0.05	-0.22	0.8	NW
7/24/2024 14:33:00	22.4	21.5	-0.9	0.25	0.05	-0.20	0.8	NNW
7/24/2024 14:34:00	22.6	21.7	-0.9	0.22	0.05	-0.17	0.7	NW
7/24/2024 14:35:00	22.9	21.9	-1.0	0.18	0.05	-0.13	0.7	NW
7/24/2024 14:36:00	23.1	22.1	-1.0	0.15	0.05	-0.10	0.6	N
7/24/2024 14:37:00	23.3	22.2	-1.1	0.17	0.03	-0.14	0.7	NNW
7/24/2024 14:38:00	23.3	22.3	-1.0	0.15	0.04	-0.11	0.6	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
7/24/2024 14:39:00	23.3	22.4	-0.9	0.15	0.04	-0.11	0.6	SE
7/24/2024 14:40:00	23.4	22.5	-0.8	0.15	0.04	-0.11	0.4	SE
7/24/2024 14:41:00	23.3	22.6	-0.7	0.14	0.04	-0.10	0.4	NW
7/24/2024 14:42:00	23.4	22.6	-0.8	0.13	0.04	-0.09	0.3	ENE
7/24/2024 14:43:00	23.4	22.6	-0.8	0.12	0.04	-0.07	0.3	NNE
7/24/2024 14:44:00	23.3	22.5	-0.8	0.09	0.04	-0.05	0.2	NW
7/24/2024 14:45:00	23.4	22.5	-0.9	0.07	0.04	-0.03	0.2	ENE
7/24/2024 14:46:00	23.5	22.7	-0.8	0.07	0.02	-0.05	0.3	ESE
7/24/2024 14:47:00	23.7	22.8	-0.9	0.06	0.02	-0.04	0.3	NNW
7/24/2024 14:48:00	23.7	22.9	-0.8	0.06	0.02	-0.04	0.3	NNW
7/24/2024 14:49:00	23.6	22.9	-0.8	0.07	0.02	-0.05	0.4	NE
7/24/2024 14:50:00	23.4	22.9	-0.5	0.06	0.03	-0.04	0.4	ESE
7/24/2024 14:51:00	23.1	23.0	-0.1	0.06	0.03	-0.03	0.4	ESE
7/24/2024 14:52:00	23.0	22.8	-0.2	0.04	0.03	-0.02	0.4	NNE
7/24/2024 14:53:00	22.9	22.5	-0.4	0.05	0.01	-0.03	0.5	NNE
7/24/2024 14:54:00	22.8	22.1	-0.7	0.05	0.01	-0.04	0.4	WNW
7/24/2024 14:55:00	22.5	21.5	-1.0	0.05	0.01	-0.04	0.5	NW
7/24/2024 14:56:00	22.2	21.1	-1.1	0.06	0.01	-0.06	0.4	WNW
7/24/2024 14:57:00	21.8	20.6	-1.2	0.07	0.01	-0.06	0.4	NW
7/24/2024 14:58:00	21.2	20.4	-0.9	0.07	0.01	-0.05	0.4	WSW
7/24/2024 14:59:00	20.7	20.1	-0.6	0.06	0.02	-0.05	0.3	SE