

DAILY FIELD REPORT 219

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	March 28, 2024
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:45 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)
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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 excavated an about 20-foot-long by 15-foot-wide area to depths ranging from 10 feet below grade surface (bgs) to 13 feet bgs in the northern part of grids WC04_5-10 and WC04_10-15 to prepare for the installation of timber lagging. Excavated non-native soil was live-loaded into trucks for off-site disposal at the Clean Earth of Carteret LLC facility located in Carteret, NJ.
- Urban excavated previously backfilled pipe sand from an about 10-foot-long by 15-foot-wide area to about 3 feet bgs in the northern part of grids WC04_0-5 and WC05_0-5 to prepare for the installation of electrical utilities.
- All excavated material consisted of non-native soil; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a release were not observed.
- During routine maintenance of a drill rig, Urban released less than 5 gallons of fuel oil onto the underlying soil/fill in the northern part of the site. Less than one cubic yard of impacted soil/fill was promptly excavated and stockpiled separately. No staining, odors, or elevated PID readings were observed on the underlying soil following the cleanup.
- Urban continued installing waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the southern part of the site. Waterproofing/vapor barrier installation observation and documentation is to verify general conformance with specifications and contract documents.

Material Tracking:

- The following soil/fill was exported from the site:
 - 6 loads of soil/fill from waste characterization grids WC02_10-15, WC04_0-5 and WC04_5-10 were exported for off-site disposal at the Clean Earth of Carteret LLC facility in Carteret, NJ.
- No material was imported to the site.

Materials Export Summary								
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	-	6	120	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	322	6,440	0	-	17	340

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

Materials Import Summary								
Facility Name	Greenpoint Quarry / North Shore Terminal		Tilcon Clinton Point Quarry / Pier J – Brooklyn Navy Yard		Stavola Bound Brook / North Shore Terminal		North American Aggregate Mining Operations	
Location	Staten Island, NY		Brooklyn, NY		Staten Island, NY		Perth Amboy, NJ	
Type of Material	ASTM #57 0.75-inch Stone		ASTM #57 0.75-inch Stone		ASTM #2 2.5-inch Stone		Pipe Sand Backfill	
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	17	289
Approved Quantity	-	500	-	500	-	200	-	300

Samples Collected:

- Langan collected one confirmation endpoint sample (Sample IDs UST_RE_EPS06_el_3) from the sidewall of the remedial excavation in the southern part of the site to be analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane via Method 8270-SIM), polychlorinated biphenyls (PCBs), pesticides, herbicides, metals (including trivalent and hexavalent chromium), and total cyanide.

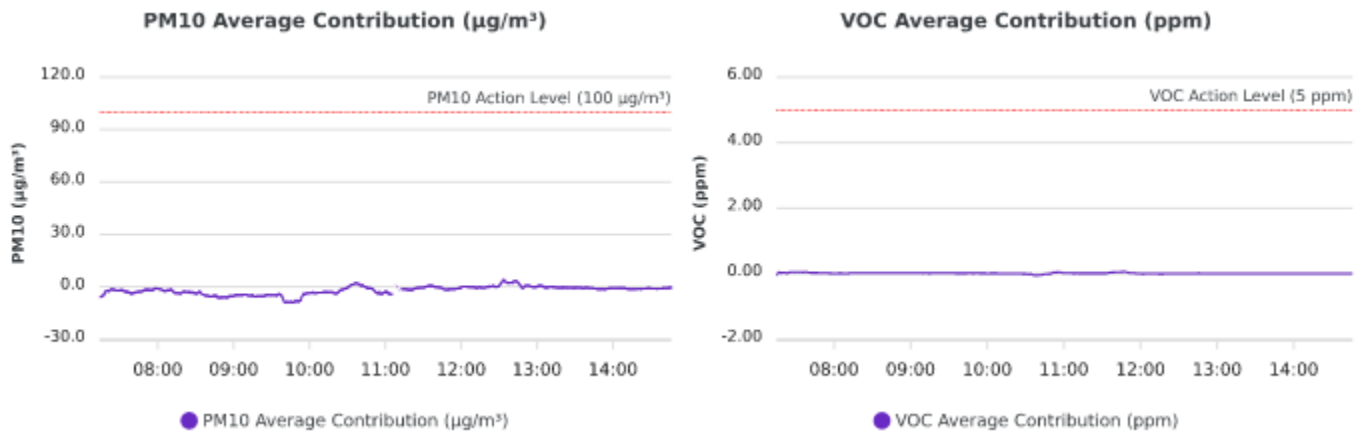
Air Monitoring:

The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/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	13.7	Daily Background	0.06
PM10 Average Site Contribution (Minimum)	-9.1	VOC Average Site Contribution (Minimum)	-0.06
PM10 Average Site Contribution (Maximum)	4.1	VOC Average Site Contribution (Maximum)	0.06

µg/m³: micrograms per cubic meter.

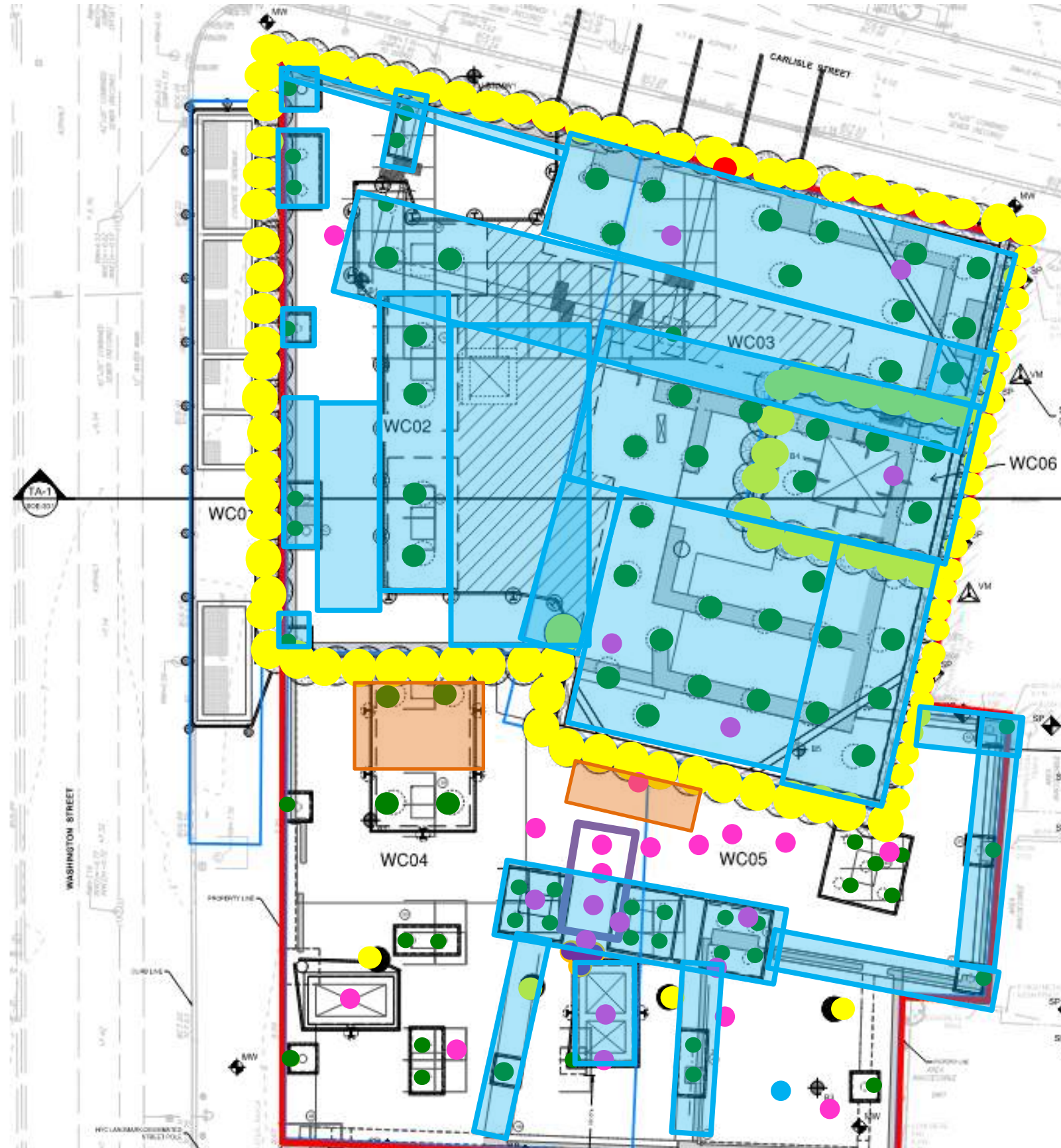
ppm: parts per million.



Planned Activities:

- Urban will continue to excavate and grade site soil/fill in support of foundation installation.
- Urban will continue to install waterproofing/vapor barriers membranes throughout the site.







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**

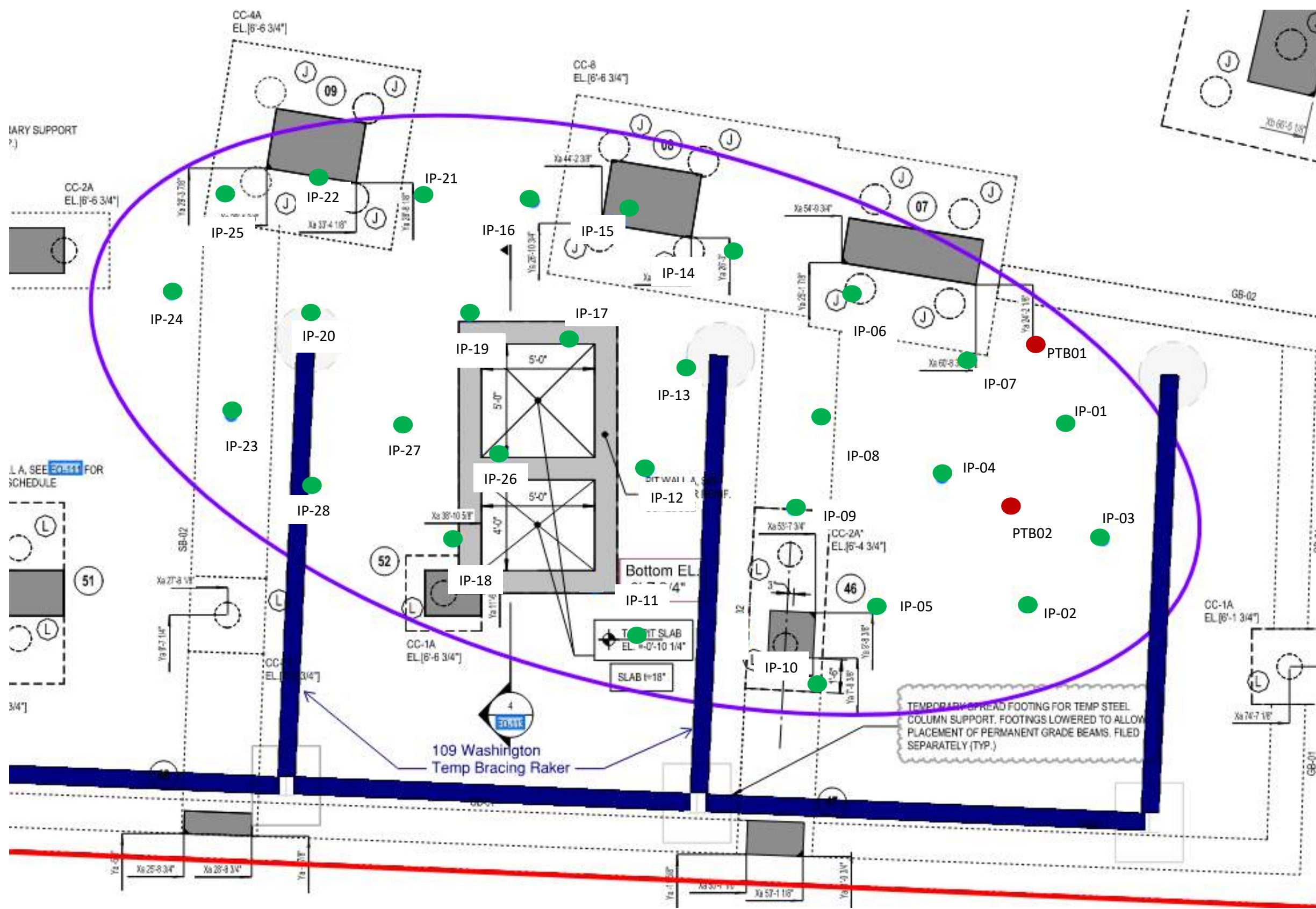


Photo Log

Photo 1: View of Urban loading a truck with soil/fill for export (facing northeast).



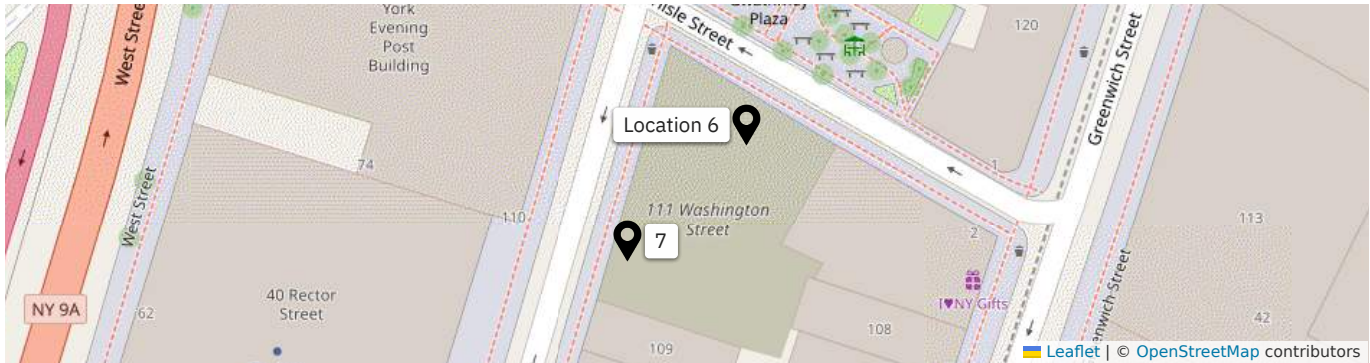
Photo 2: View of Urban excavating soil/fill in WC04 (facing northeast).



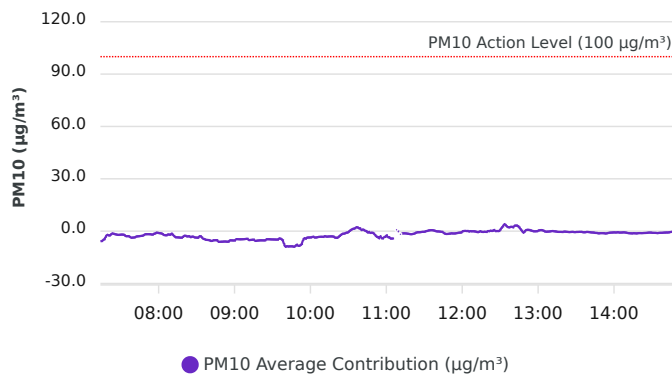
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	3/28/2024 06:00
		To:	3/28/2024 19:00
		PM10 Action Level:	100.0 µg/m³
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
3/28/2024	0.2-6.8	E

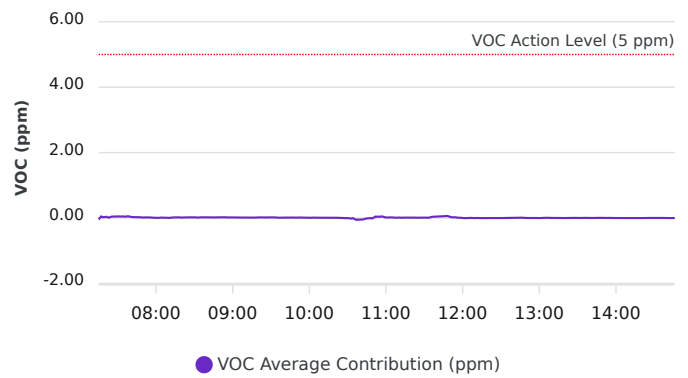
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 3/28/2024	-9.1	09:40	-0.06	10:37
Max Contribution (15 min avg.) - 3/28/2024	4.1	12:33	0.06	11:48



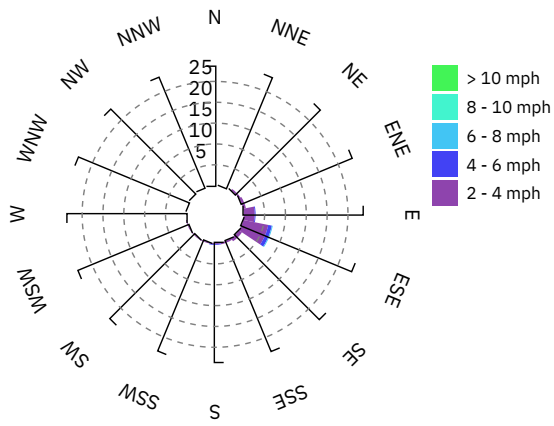
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/28/2024 07:14:00	13.7	7.8	-5.9				1.5	ESE
3/28/2024 07:15:00	12.8	7.2	-5.6	0.06	0.02	-0.04	1.4	ESE
3/28/2024 07:16:00	11.4	6.4	-5.0	0.07	0.08	0.01	1.5	ESE
3/28/2024 07:17:00	10.4	5.8	-4.6	0.07	0.12	0.05	1.4	ESE
3/28/2024 07:18:00	9.1	6.0	-3.1	0.09	0.11	0.03	1.2	SW
3/28/2024 07:19:00	8.0	5.9	-2.1	0.08	0.11	0.03	1.0	W
3/28/2024 07:20:00	7.6	5.2	-2.4	0.07	0.10	0.03	1.0	ESE
3/28/2024 07:21:00	7.3	4.8	-2.6	0.07	0.10	0.04	0.9	ESE
3/28/2024 07:22:00	6.7	4.8	-1.9	0.07	0.10	0.03	0.9	WNW
3/28/2024 07:23:00	6.1	4.8	-1.3	0.09	0.10	0.01	1.0	S
3/28/2024 07:24:00	6.0	4.5	-1.5	0.10	0.12	0.03	1.0	E
3/28/2024 07:25:00	5.9	4.2	-1.7	0.10	0.14	0.04	0.9	ENE
3/28/2024 07:26:00	5.8	3.9	-1.9	0.09	0.14	0.05	0.9	SE
3/28/2024 07:27:00	5.7	3.6	-2.1	0.09	0.14	0.05	0.9	ESE
3/28/2024 07:28:00	5.5	3.4	-2.2	0.08	0.13	0.05	1.0	NNE
3/28/2024 07:29:00	4.9	2.8	-2.1	0.08	0.13	0.04	0.9	ENE
3/28/2024 07:30:00	4.4	2.4	-2.0	0.08	0.13	0.05	0.9	E
3/28/2024 07:31:00	4.0	2.1	-2.0	0.07	0.12	0.05	0.8	E
3/28/2024 07:32:00	3.8	1.8	-2.0	0.07	0.11	0.04	0.8	E
3/28/2024 07:33:00	3.8	1.4	-2.5	0.06	0.11	0.05	0.9	ESE
3/28/2024 07:34:00	3.9	1.0	-2.9	0.06	0.11	0.05	0.9	SE
3/28/2024 07:35:00	3.8	0.9	-2.9	0.06	0.10	0.05	1.0	ESE
3/28/2024 07:36:00	3.7	0.8	-2.8	0.05	0.10	0.04	0.9	ESE
3/28/2024 07:37:00	3.8	0.5	-3.3	0.04	0.09	0.05	0.9	ESE
3/28/2024 07:38:00	3.9	0.1	-3.8	0.03	0.09	0.06	0.9	ESE
3/28/2024 07:39:00	3.8	0.1	-3.7	0.02	0.07	0.05	0.9	ENE
3/28/2024 07:40:00	3.7	0.0	-3.7	0.01	0.05	0.04	0.9	ESE
3/28/2024 07:41:00	3.5	0.0	-3.5	0.01	0.04	0.03	0.9	E
3/28/2024 07:42:00	3.3	0.2	-3.1	0.01	0.04	0.03	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
3/28/2024 07:43:00	3.2	0.2	-3.0	0.01	0.04	0.03	0.8	ENE
3/28/2024 07:44:00	3.1	0.2	-2.9	0.01	0.04	0.03	0.7	E
3/28/2024 07:45:00	3.0	0.2	-2.8	0.01	0.03	0.03	0.7	ESE
3/28/2024 07:46:00	2.9	0.2	-2.7	0.01	0.03	0.03	0.7	ESE
3/28/2024 07:47:00	2.8	0.2	-2.7	0.01	0.03	0.03	0.7	ESE
3/28/2024 07:48:00	2.6	0.3	-2.2	0.01	0.03	0.02	0.6	NW
3/28/2024 07:49:00	2.3	0.5	-1.8	0.01	0.03	0.02	0.6	W
3/28/2024 07:50:00	2.3	0.5	-1.7	0.01	0.03	0.02	0.6	ENE
3/28/2024 07:51:00	2.3	0.5	-1.7	0.01	0.03	0.02	0.6	ESE
3/28/2024 07:52:00	2.3	0.5	-1.7	0.01	0.03	0.02	0.6	ESE
3/28/2024 07:53:00	2.3	0.5	-1.8	0.01	0.03	0.02	0.6	ENE
3/28/2024 07:54:00	2.4	0.5	-1.9	0.01	0.03	0.02	0.6	ENE
3/28/2024 07:55:00	2.6	0.5	-2.1	0.01	0.03	0.02	0.6	NNW
3/28/2024 07:56:00	2.4	0.9	-1.5	0.01	0.03	0.01	0.6	W
3/28/2024 07:57:00	2.4	1.1	-1.3	0.01	0.03	0.01	0.6	WNW
3/28/2024 07:58:00	2.2	1.4	-0.8	0.01	0.03	0.01	0.7	W
3/28/2024 07:59:00	2.4	1.4	-1.0	0.01	0.03	0.01	0.8	E
3/28/2024 08:00:00	2.5	1.4	-1.1	0.01	0.02	0.01	0.9	ENE
3/28/2024 08:01:00	2.6	1.4	-1.2	0.01	0.02	0.01	0.9	ENE
3/28/2024 08:02:00	2.7	1.4	-1.3	0.01	0.02	0.01	0.9	N
3/28/2024 08:03:00	3.0	1.2	-1.8	0.01	0.02	0.01	1.0	E
3/28/2024 08:04:00	3.3	1.0	-2.2	0.01	0.02	0.01	1.1	E
3/28/2024 08:05:00	3.4	1.0	-2.3	0.01	0.02	0.01	1.1	ESE
3/28/2024 08:06:00	3.5	1.0	-2.4	0.01	0.02	0.01	1.1	E
3/28/2024 08:07:00	3.2	1.4	-1.9	0.01	0.02	0.01	1.1	W
3/28/2024 08:08:00	3.4	1.4	-2.0	0.01	0.02	0.01	1.1	ENE
3/28/2024 08:09:00	3.5	1.4	-2.1	0.01	0.02	0.01	1.1	ENE
3/28/2024 08:10:00	3.1	1.8	-1.4	0.01	0.01	0.01	1.1	NW
3/28/2024 08:11:00	3.5	1.4	-2.1	0.01	0.02	0.01	1.1	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
3/28/2024 08:12:00	3.9	1.1	-2.8	0.01	0.02	0.01	1.0	E
3/28/2024 08:13:00	4.3	0.7	-3.5	0.00	0.02	0.02	1.0	E
3/28/2024 08:14:00	4.3	0.8	-3.5	0.00	0.02	0.02	0.9	E
3/28/2024 08:15:00	4.4	0.8	-3.6	0.00	0.02	0.02	0.8	E
3/28/2024 08:16:00	4.5	0.8	-3.6	0.00	0.02	0.02	0.8	E
3/28/2024 08:17:00	4.6	0.9	-3.7	0.00	0.02	0.02	0.8	E
3/28/2024 08:18:00	4.7	0.9	-3.8	0.00	0.03	0.02	0.7	E
3/28/2024 08:19:00	4.6	1.3	-3.3	0.01	0.02	0.02	0.7	W
3/28/2024 08:20:00	4.4	1.8	-2.6	0.01	0.02	0.01	0.6	W
3/28/2024 08:21:00	4.5	1.9	-2.6	0.01	0.02	0.01	0.6	ENE
3/28/2024 08:22:00	5.0	1.9	-3.1	0.01	0.03	0.02	0.6	ESE
3/28/2024 08:23:00	5.0	2.1	-3.0	0.01	0.02	0.02	0.7	E
3/28/2024 08:24:00	5.1	2.2	-2.9	0.01	0.02	0.02	0.7	E
3/28/2024 08:25:00	5.6	2.1	-3.5	0.00	0.03	0.02	0.8	E
3/28/2024 08:26:00	5.7	2.6	-3.1	0.00	0.03	0.02	0.8	NNE
3/28/2024 08:27:00	5.9	2.7	-3.2	0.00	0.03	0.02	0.9	NE
3/28/2024 08:28:00	6.3	2.8	-3.6	0.00	0.03	0.02	0.9	E
3/28/2024 08:29:00	6.5	2.8	-3.7	0.00	0.03	0.02	0.9	E
3/28/2024 08:30:00	6.6	2.8	-3.8	0.00	0.03	0.02	0.9	ENE
3/28/2024 08:31:00	6.7	2.9	-3.8	0.00	0.02	0.02	0.9	NE
3/28/2024 08:32:00	6.3	3.5	-2.9	0.01	0.02	0.02	0.9	WSW
3/28/2024 08:33:00	6.5	3.5	-2.9	0.01	0.02	0.02	0.9	ENE
3/28/2024 08:34:00	6.8	3.1	-3.7	0.00	0.02	0.02	0.9	ESE
3/28/2024 08:35:00	7.2	2.8	-4.4	0.00	0.02	0.02	1.0	E
3/28/2024 08:36:00	7.3	2.7	-4.6	0.00	0.02	0.02	1.0	E
3/28/2024 08:37:00	7.5	2.5	-5.0	0.00	0.02	0.02	1.0	E
3/28/2024 08:38:00	7.5	2.5	-5.0	0.00	0.02	0.02	1.1	ESE
3/28/2024 08:39:00	7.5	2.4	-5.1	0.00	0.02	0.02	1.1	NNE
3/28/2024 08:40:00	7.4	2.2	-5.2	0.00	0.02	0.02	1.1	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/28/2024 08:41:00	7.3	1.7	-5.7	0.00	0.02	0.02	1.1	ENE
3/28/2024 08:42:00	7.1	1.5	-5.6	0.00	0.02	0.02	1.2	ENE
3/28/2024 08:43:00	6.7	1.4	-5.2	0.00	0.02	0.02	1.1	NE
3/28/2024 08:44:00	6.6	1.4	-5.2	0.00	0.02	0.02	1.1	NNE
3/28/2024 08:45:00	6.5	1.3	-5.2	0.00	0.02	0.02	1.1	NW
3/28/2024 08:46:00	6.4	1.2	-5.2	0.00	0.02	0.02	1.2	ENE
3/28/2024 08:47:00	6.8	0.6	-6.2	0.00	0.02	0.02	1.2	E
3/28/2024 08:48:00	6.6	0.5	-6.1	0.00	0.02	0.02	1.2	NE
3/28/2024 08:49:00	6.6	0.5	-6.1	0.00	0.02	0.02	1.2	N
3/28/2024 08:50:00	6.5	0.5	-6.0	0.00	0.02	0.02	1.2	ENE
3/28/2024 08:51:00	6.4	0.4	-6.0	0.00	0.02	0.02	1.2	E
3/28/2024 08:52:00	6.2	0.3	-5.9	0.00	0.02	0.02	1.1	NE
3/28/2024 08:53:00	6.2	0.2	-6.0	0.00	0.02	0.02	1.0	E
3/28/2024 08:54:00	6.2	0.2	-6.1	0.00	0.02	0.02	1.0	NNW
3/28/2024 08:55:00	6.2	0.1	-6.1	0.00	0.02	0.02	0.9	NNE
3/28/2024 08:56:00	5.8	0.6	-5.3	0.00	0.02	0.02	0.9	NW
3/28/2024 08:57:00	5.9	0.6	-5.3	0.00	0.02	0.02	0.8	NNW
3/28/2024 08:58:00	5.9	0.6	-5.3	0.00	0.02	0.02	0.8	NE
3/28/2024 08:59:00	5.9	0.6	-5.3	0.00	0.02	0.02	0.8	ENE
3/28/2024 09:00:00	6.0	0.6	-5.4	0.00	0.02	0.02	0.8	ENE
3/28/2024 09:01:00	5.6	1.0	-4.5	0.00	0.02	0.02	0.8	NW
3/28/2024 09:02:00	5.6	1.0	-4.6	0.00	0.02	0.02	0.8	ENE
3/28/2024 09:03:00	5.7	1.0	-4.6	0.00	0.02	0.02	0.8	NNE
3/28/2024 09:04:00	5.8	1.1	-4.7	0.00	0.02	0.02	0.8	N
3/28/2024 09:05:00	5.8	1.1	-4.7	0.00	0.02	0.02	0.8	N
3/28/2024 09:06:00	5.8	1.1	-4.6	0.00	0.02	0.01	0.8	SE
3/28/2024 09:07:00	5.7	1.1	-4.6	0.00	0.02	0.01	0.8	NNE
3/28/2024 09:08:00	5.6	1.1	-4.5	0.00	0.02	0.01	0.8	NNW
3/28/2024 09:09:00	5.5	1.1	-4.4	0.00	0.02	0.01	0.8	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/28/2024 09:10:00	5.4	1.1	-4.4	0.00	0.02	0.01	0.8	NE
3/28/2024 09:11:00	5.7	0.6	-5.2	0.00	0.02	0.02	0.9	NNE
3/28/2024 09:12:00	5.7	0.6	-5.1	0.00	0.02	0.01	0.9	NNE
3/28/2024 09:13:00	5.6	0.6	-5.0	0.00	0.02	0.01	0.9	ENE
3/28/2024 09:14:00	5.5	0.6	-4.9	0.00	0.01	0.01	0.9	NNW
3/28/2024 09:15:00	5.4	0.6	-4.8	0.00	0.01	0.01	0.9	ENE
3/28/2024 09:16:00	5.8	0.1	-5.6	0.00	0.01	0.01	0.8	E
3/28/2024 09:17:00	5.7	0.2	-5.5	0.00	0.01	0.01	0.8	E
3/28/2024 09:18:00	5.6	0.2	-5.4	0.00	0.01	0.01	0.9	E
3/28/2024 09:19:00	5.4	0.1	-5.3	0.00	0.02	0.02	0.9	ESE
3/28/2024 09:20:00	5.4	0.1	-5.3	0.00	0.02	0.02	0.9	E
3/28/2024 09:21:00	5.3	0.1	-5.3	0.00	0.02	0.02	0.9	E
3/28/2024 09:22:00	5.3	0.1	-5.3	0.00	0.02	0.02	0.9	ESE
3/28/2024 09:23:00	5.3	0.1	-5.3	0.00	0.02	0.02	0.9	E
3/28/2024 09:24:00	5.3	0.1	-5.3	0.00	0.02	0.02	0.9	E
3/28/2024 09:25:00	5.0	0.4	-4.6	0.00	0.02	0.02	0.9	NW
3/28/2024 09:26:00	5.0	0.4	-4.6	0.00	0.02	0.02	0.8	ESE
3/28/2024 09:27:00	5.0	0.4	-4.6	0.00	0.02	0.02	0.9	E
3/28/2024 09:28:00	5.1	0.4	-4.7	0.00	0.02	0.02	0.9	ESE
3/28/2024 09:29:00	5.2	0.5	-4.7	0.00	0.02	0.02	1.0	NE
3/28/2024 09:30:00	5.2	0.5	-4.8	0.00	0.02	0.02	1.0	ENE
3/28/2024 09:31:00	5.2	0.5	-4.8	0.00	0.02	0.02	1.0	ESE
3/28/2024 09:32:00	5.2	0.4	-4.8	0.00	0.02	0.02	1.0	E
3/28/2024 09:33:00	5.3	0.4	-4.8	0.00	0.02	0.02	1.0	E
3/28/2024 09:34:00	5.3	0.4	-4.9	0.00	0.02	0.02	1.0	E
3/28/2024 09:35:00	5.0	0.8	-4.2	0.00	0.02	0.01	1.0	WNW
3/28/2024 09:36:00	5.1	0.8	-4.3	0.00	0.01	0.01	1.1	E
3/28/2024 09:37:00	5.7	1.0	-4.8	0.00	0.01	0.01	1.1	E
3/28/2024 09:38:00	6.4	1.1	-5.3	0.00	0.01	0.01	1.1	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/28/2024 09:39:00	9.0	1.2	-7.7	0.00	0.01	0.01	1.2	ENE
3/28/2024 09:40:00	10.3	1.3	-9.1	0.00	0.01	0.01	1.2	ENE
3/28/2024 09:41:00	11.0	2.5	-8.6	0.00	0.01	0.01	1.2	NNE
3/28/2024 09:42:00	12.0	3.2	-8.8	0.00	0.01	0.01	1.2	ENE
3/28/2024 09:43:00	12.7	4.0	-8.7	0.00	0.01	0.01	1.1	E
3/28/2024 09:44:00	13.4	4.6	-8.7	0.00	0.01	0.01	1.1	ESE
3/28/2024 09:45:00	14.1	5.5	-8.6	0.00	0.01	0.01	1.1	ENE
3/28/2024 09:46:00	14.9	6.1	-8.9	0.00	0.02	0.01	1.1	ENE
3/28/2024 09:47:00	15.7	6.7	-9.0	0.00	0.02	0.02	1.0	E
3/28/2024 09:48:00	16.0	7.6	-8.4	0.00	0.02	0.01	1.0	SW
3/28/2024 09:49:00	16.1	8.4	-7.7	0.00	0.01	0.01	1.0	S
3/28/2024 09:50:00	16.9	8.4	-8.5	0.00	0.02	0.01	1.0	NNW
3/28/2024 09:51:00	17.1	8.7	-8.4	0.00	0.02	0.01	0.9	N
3/28/2024 09:52:00	16.8	8.9	-7.9	0.00	0.02	0.01	0.9	NNE
3/28/2024 09:53:00	16.2	8.9	-7.3	0.00	0.02	0.01	0.9	E
3/28/2024 09:54:00	13.8	8.9	-4.8	0.00	0.02	0.01	0.9	NNE
3/28/2024 09:55:00	12.8	8.8	-4.0	0.00	0.02	0.01	0.9	E
3/28/2024 09:56:00	12.1	7.7	-4.4	0.00	0.02	0.01	0.9	ESE
3/28/2024 09:57:00	11.0	7.3	-3.7	0.00	0.01	0.01	1.0	S
3/28/2024 09:58:00	10.2	6.5	-3.6	0.01	0.01	0.01	1.0	NNE
3/28/2024 09:59:00	9.5	5.9	-3.6	0.01	0.01	0.01	1.0	ENE
3/28/2024 10:00:00	8.7	5.0	-3.7	0.01	0.01	0.01	1.0	ENE
3/28/2024 10:01:00	7.8	4.4	-3.4	0.01	0.01	0.01	1.0	NNW
3/28/2024 10:02:00	7.0	3.8	-3.1	0.01	0.01	0.01	1.1	NNE
3/28/2024 10:03:00	6.6	2.9	-3.7	0.00	0.02	0.01	1.1	ESE
3/28/2024 10:04:00	6.0	2.3	-3.7	0.00	0.02	0.01	1.1	WSW
3/28/2024 10:05:00	5.5	1.9	-3.5	0.00	0.01	0.01	1.2	ENE
3/28/2024 10:06:00	4.9	1.6	-3.3	0.00	0.01	0.01	1.3	ESE
3/28/2024 10:07:00	4.6	1.3	-3.3	0.00	0.01	0.01	1.3	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
3/28/2024 10:08:00	4.4	1.1	-3.2	0.00	0.01	0.01	1.3	ESE
3/28/2024 10:09:00	4.2	1.0	-3.2	0.00	0.01	0.01	1.3	ESE
3/28/2024 10:10:00	4.1	0.8	-3.4	0.00	0.01	0.01	1.3	ENE
3/28/2024 10:11:00	3.7	0.9	-2.8	0.00	0.01	0.01	1.3	NW
3/28/2024 10:12:00	3.7	0.6	-3.1	0.00	0.01	0.01	1.3	ENE
3/28/2024 10:13:00	3.7	0.5	-3.2	0.00	0.01	0.01	1.2	NNW
3/28/2024 10:14:00	3.6	0.5	-3.1	0.00	0.01	0.01	1.2	NE
3/28/2024 10:15:00	3.5	0.5	-3.0	0.00	0.01	0.01	1.2	E
3/28/2024 10:16:00	3.5	0.5	-3.0	0.00	0.01	0.01	1.2	ESE
3/28/2024 10:17:00	3.5	0.5	-3.0	0.00	0.01	0.01	1.1	E
3/28/2024 10:18:00	3.6	0.5	-3.1	0.00	0.01	0.01	1.1	NNW
3/28/2024 10:19:00	4.0	0.3	-3.7	0.00	0.01	0.01	1.1	N
3/28/2024 10:20:00	4.1	0.3	-3.8	0.00	0.01	0.01	1.1	NNE
3/28/2024 10:21:00	4.2	0.3	-3.9	0.00	0.01	0.01	1.0	NE
3/28/2024 10:22:00	4.0	0.7	-3.2	0.00	0.01	0.01	1.0	W
3/28/2024 10:23:00	3.7	1.1	-2.6	0.00	0.01	0.01	1.0	W
3/28/2024 10:24:00	3.5	1.4	-2.1	0.00	0.01	0.01	1.0	NW
3/28/2024 10:25:00	3.3	1.8	-1.5	0.00	0.01	0.00	0.9	WNW
3/28/2024 10:26:00	3.4	1.9	-1.5	0.01	0.01	0.00	0.9	W
3/28/2024 10:27:00	3.5	2.2	-1.3	0.01	0.01	0.00	0.9	NW
3/28/2024 10:28:00	3.5	2.6	-0.9	0.01	0.01	0.00	1.0	NW
3/28/2024 10:29:00	3.6	2.7	-0.9	0.01	0.01	0.00	0.9	ENE
3/28/2024 10:30:00	3.4	3.1	-0.3	0.01	0.01	0.00	0.9	W
3/28/2024 10:31:00	3.1	3.4	0.3	0.01	0.01	-0.01	0.9	WSW
3/28/2024 10:32:00	3.1	3.8	0.8	0.01	0.01	-0.01	0.9	SW
3/28/2024 10:33:00	3.0	4.3	1.3	0.02	0.00	-0.02	0.9	W
3/28/2024 10:34:00	3.1	4.5	1.4	0.02	0.02	0.00	0.9	E
3/28/2024 10:35:00	3.2	4.9	1.7	0.04	0.02	-0.02	0.9	W
3/28/2024 10:36:00	3.0	5.3	2.3	0.06	0.02	-0.04	0.9	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/28/2024 10:37:00	3.3	5.4	2.2	0.07	0.02	-0.06	0.9	W
3/28/2024 10:38:00	3.6	5.3	1.6	0.07	0.03	-0.04	0.9	NNW
3/28/2024 10:39:00	3.7	5.4	1.6	0.08	0.03	-0.05	0.8	W
3/28/2024 10:40:00	4.5	5.1	0.6	0.08	0.03	-0.04	0.8	N
3/28/2024 10:41:00	4.5	5.5	1.0	0.08	0.03	-0.05	0.8	WNW
3/28/2024 10:42:00	4.5	5.2	0.7	0.08	0.04	-0.04	0.8	E
3/28/2024 10:43:00	4.7	4.9	0.2	0.08	0.04	-0.03	0.9	E
3/28/2024 10:44:00	4.8	4.8	0.0	0.08	0.06	-0.02	1.0	E
3/28/2024 10:45:00	5.3	4.5	-0.9	0.07	0.06	-0.01	1.0	E
3/28/2024 10:46:00	5.3	4.9	-0.4	0.07	0.06	-0.01	1.0	SW
3/28/2024 10:47:00	5.7	4.6	-1.1	0.07	0.06	-0.01	1.0	E
3/28/2024 10:48:00	5.4	4.5	-0.8	0.06	0.06	0.00	1.0	SSE
3/28/2024 10:49:00	5.3	4.3	-1.0	0.06	0.05	-0.01	1.0	E
3/28/2024 10:50:00	5.3	3.9	-1.4	0.05	0.05	0.01	1.1	E
3/28/2024 10:51:00	5.8	3.5	-2.3	0.03	0.05	0.03	1.1	E
3/28/2024 10:52:00	6.2	3.0	-3.1	0.01	0.06	0.05	1.2	E
3/28/2024 10:53:00	6.2	2.8	-3.4	0.01	0.05	0.04	1.2	E
3/28/2024 10:54:00	6.6	2.4	-4.2	0.00	0.05	0.04	1.2	NE
3/28/2024 10:55:00	5.9	3.0	-2.8	0.01	0.05	0.04	1.2	WNW
3/28/2024 10:56:00	6.5	2.4	-4.1	0.00	0.05	0.05	1.3	E
3/28/2024 10:57:00	6.6	2.4	-4.2	0.00	0.05	0.05	1.3	ENE
3/28/2024 10:58:00	6.3	3.0	-3.4	0.01	0.04	0.04	1.2	W
3/28/2024 10:59:00	6.3	3.0	-3.3	0.01	0.03	0.03	1.2	NNE
3/28/2024 11:00:00	5.8	3.5	-2.3	0.01	0.03	0.02	1.1	WNW
3/28/2024 11:01:00	6.2	2.7	-3.5	0.01	0.03	0.02	1.2	N
3/28/2024 11:02:00	6.2	2.7	-3.4	0.01	0.03	0.02	1.2	E
3/28/2024 11:03:00	6.6	2.4	-4.3	0.01	0.03	0.02	1.3	E
3/28/2024 11:04:00	6.7	2.4	-4.3	0.01	0.03	0.02	1.3	ESE
3/28/2024 11:05:00	6.7	2.5	-4.2	0.01	0.03	0.02	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
3/28/2024 11:06:00				0.01	0.02	0.02	1.2	E
3/28/2024 11:07:00				0.01	0.02	0.01	1.1	E
3/28/2024 11:08:00	6.3	7.1	0.8	0.01	0.02	0.01	1.1	E
3/28/2024 11:09:00	6.4	6.2	-0.1	0.01	0.02	0.01	1.1	ENE
3/28/2024 11:10:00				0.01	0.02	0.02	1.1	ENE
3/28/2024 11:11:00	7.4	5.5	-1.8	0.01	0.02	0.01	1.0	E
3/28/2024 11:12:00	6.4	5.1	-1.3	0.01	0.02	0.01	1.0	ESE
3/28/2024 11:13:00	6.0	4.7	-1.3	0.00	0.02	0.01	1.0	E
3/28/2024 11:14:00	5.7	4.5	-1.3	0.00	0.02	0.01	1.1	E
3/28/2024 11:15:00	5.5	4.3	-1.3	0.00	0.02	0.01	1.2	ESE
3/28/2024 11:16:00	5.6	4.2	-1.4	0.00	0.02	0.01	1.2	E
3/28/2024 11:17:00	5.7	4.2	-1.5	0.00	0.02	0.01	1.2	ESE
3/28/2024 11:18:00	5.8	4.2	-1.6	0.00	0.02	0.01	1.2	ESE
3/28/2024 11:19:00	6.0	4.2	-1.8	0.00	0.02	0.01	1.2	ESE
3/28/2024 11:20:00	6.0	4.3	-1.7	0.00	0.02	0.01	1.2	E
3/28/2024 11:21:00	6.0	4.4	-1.6	0.00	0.02	0.01	1.2	ENE
3/28/2024 11:22:00	6.1	4.7	-1.4	0.00	0.02	0.01	1.2	ENE
3/28/2024 11:23:00	6.2	5.3	-1.0	0.00	0.01	0.01	1.2	NW
3/28/2024 11:24:00	6.3	5.6	-0.7	0.00	0.01	0.01	1.2	NE
3/28/2024 11:25:00	6.4	5.8	-0.6	0.00	0.01	0.01	1.2	E
3/28/2024 11:26:00	6.4	5.8	-0.6	0.00	0.01	0.01	1.2	ENE
3/28/2024 11:27:00	6.4	5.8	-0.5	0.00	0.01	0.01	1.2	E
3/28/2024 11:28:00	6.3	5.9	-0.4	0.00	0.01	0.01	1.2	ENE
3/28/2024 11:29:00	6.3	5.9	-0.4	0.00	0.01	0.01	1.2	ENE
3/28/2024 11:30:00	6.3	5.9	-0.4	0.00	0.01	0.01	1.1	ESE
3/28/2024 11:31:00	6.2	6.2	0.0	0.00	0.01	0.01	1.0	E
3/28/2024 11:32:00	6.1	6.2	0.1	0.00	0.01	0.01	1.0	WNW
3/28/2024 11:33:00	5.9	6.3	0.3	0.01	0.01	0.01	1.0	NW
3/28/2024 11:34:00	5.8	6.3	0.5	0.01	0.02	0.02	1.0	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
3/28/2024 11:35:00	5.6	6.2	0.6	0.01	0.03	0.03	1.0	E
3/28/2024 11:36:00	5.5	6.1	0.6	0.01	0.04	0.04	1.0	E
3/28/2024 11:37:00	5.3	5.8	0.5	0.01	0.05	0.04	1.1	NNE
3/28/2024 11:38:00	5.1	5.3	0.2	0.00	0.05	0.04	1.1	N
3/28/2024 11:39:00	5.0	4.9	-0.1	0.00	0.05	0.04	1.1	E
3/28/2024 11:40:00	4.8	4.6	-0.2	0.00	0.05	0.04	1.0	E
3/28/2024 11:41:00	4.6	4.5	-0.1	0.00	0.05	0.05	1.0	E
3/28/2024 11:42:00	4.7	4.4	-0.3	0.00	0.06	0.05	1.0	NE
3/28/2024 11:43:00	4.8	4.4	-0.4	0.00	0.06	0.05	1.1	E
3/28/2024 11:44:00	5.0	4.6	-0.4	0.00	0.06	0.05	1.1	ENE
3/28/2024 11:45:00	5.8	4.7	-1.0	0.00	0.06	0.06	1.1	NNW
3/28/2024 11:46:00	6.0	4.6	-1.4	0.00	0.06	0.06	1.1	NNW
3/28/2024 11:47:00	6.2	4.6	-1.6	0.00	0.07	0.06	1.1	E
3/28/2024 11:48:00	6.3	4.7	-1.6	0.00	0.07	0.06	1.1	WNW
3/28/2024 11:49:00	6.2	4.7	-1.5	0.00	0.06	0.05	1.1	W
3/28/2024 11:50:00	6.2	4.8	-1.4	0.01	0.04	0.04	1.1	SSW
3/28/2024 11:51:00	6.1	4.9	-1.2	0.01	0.04	0.03	1.1	SW
3/28/2024 11:52:00	6.1	4.8	-1.3	0.01	0.03	0.02	1.1	ESE
3/28/2024 11:53:00	6.0	4.7	-1.4	0.01	0.03	0.02	1.2	ESE
3/28/2024 11:54:00	6.0	4.6	-1.3	0.01	0.03	0.02	1.2	SE
3/28/2024 11:55:00	5.8	4.7	-1.2	0.01	0.03	0.02	1.3	SW
3/28/2024 11:56:00	5.7	4.7	-1.1	0.01	0.03	0.01	1.4	SSE
3/28/2024 11:57:00	5.6	4.7	-0.9	0.01	0.02	0.01	1.5	E
3/28/2024 11:58:00	5.5	4.6	-0.8	0.01	0.02	0.01	1.5	SE
3/28/2024 11:59:00	5.4	4.6	-0.8	0.01	0.02	0.01	1.6	SE
3/28/2024 12:00:00	4.7	4.6	-0.1	0.01	0.01	0.00	1.6	NNE
3/28/2024 12:01:00	4.5	4.6	0.1	0.01	0.01	0.00	1.6	ENE
3/28/2024 12:02:00	4.6	4.8	0.1	0.01	0.01	0.00	1.6	NNW
3/28/2024 12:03:00	5.0	5.0	0.0	0.01	0.01	0.00	1.6	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
3/28/2024 12:04:00	5.5	5.7	0.1	0.01	0.01	0.00	1.6	WNW
3/28/2024 12:05:00	6.7	6.4	-0.3	0.01	0.01	0.00	1.6	NW
3/28/2024 12:06:00	7.3	7.4	0.1	0.00	0.01	0.01	1.6	ESE
3/28/2024 12:07:00	8.2	8.1	-0.1	0.00	0.01	0.00	1.5	WSW
3/28/2024 12:08:00	8.9	8.9	0.0	0.00	0.00	0.00	1.4	ESE
3/28/2024 12:09:00	9.8	9.7	-0.1	0.00	0.00	0.00	1.4	ESE
3/28/2024 12:10:00	11.1	10.9	-0.2	0.00	0.00	0.00	1.3	ESE
3/28/2024 12:11:00	12.7	12.3	-0.4	0.00	0.00	0.00	1.3	NNE
3/28/2024 12:12:00	14.2	13.6	-0.7	0.00	0.00	0.00	1.2	E
3/28/2024 12:13:00	15.4	15.0	-0.4	0.00	0.00	0.00	1.2	WNW
3/28/2024 12:14:00	16.5	16.4	0.0	0.00	0.00	0.00	1.1	SSE
3/28/2024 12:15:00	17.6	17.2	-0.4	0.00	0.00	0.00	1.1	ESE
3/28/2024 12:16:00	18.6	18.1	-0.5	0.00	0.00	0.00	1.1	NNE
3/28/2024 12:17:00	19.2	18.9	-0.3	0.00	0.00	0.00	1.1	WSW
3/28/2024 12:18:00	20.3	19.9	-0.4	0.00	0.00	0.00	1.1	WSW
3/28/2024 12:19:00	21.6	21.1	-0.5	0.00	0.00	0.00	1.1	SW
3/28/2024 12:20:00	22.4	22.5	0.1	0.00	0.00	0.00	1.1	WSW
3/28/2024 12:21:00	23.6	23.5	-0.1	0.00	0.00	0.00	1.1	S
3/28/2024 12:22:00	23.9	24.2	0.3	0.00	0.00	0.00	1.1	WNW
3/28/2024 12:23:00	24.4	24.4	0.0	0.00	0.00	0.00	1.0	ESE
3/28/2024 12:24:00	24.4	24.7	0.3	0.00	0.00	0.00	1.0	WNW
3/28/2024 12:25:00	24.0	24.7	0.7	0.00	0.00	0.00	1.0	E
3/28/2024 12:26:00	24.9	24.8	0.0	0.00	0.00	0.00	1.0	WSW
3/28/2024 12:27:00	25.2	25.3	0.1	0.00	0.00	0.00	1.0	ENE
3/28/2024 12:28:00	25.4	25.4	0.0	0.00	0.00	0.00	1.0	ENE
3/28/2024 12:29:00	25.4	25.5	0.1	0.00	0.00	0.00	1.0	E
3/28/2024 12:30:00	25.9	26.9	1.0	0.00	0.00	0.00	1.0	ENE
3/28/2024 12:31:00	26.6	28.6	2.1	0.00	0.00	0.00	1.0	ENE
3/28/2024 12:32:00	27.5	30.3	2.8	0.00	0.00	0.00	1.0	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
3/28/2024 12:33:00	27.5	31.6	4.1	0.00	0.00	0.00	0.9	ENE
3/28/2024 12:34:00	27.2	30.8	3.5	0.00	0.00	0.00	1.0	ENE
3/28/2024 12:35:00	26.4	29.1	2.7	0.00	0.00	0.00	1.1	E
3/28/2024 12:36:00	25.1	27.4	2.3	0.00	0.00	0.00	1.1	SE
3/28/2024 12:37:00	24.1	26.2	2.1	0.00	0.01	0.01	1.0	N
3/28/2024 12:38:00	23.1	25.6	2.5	0.00	0.01	0.01	1.1	SE
3/28/2024 12:39:00	22.5	24.9	2.5	0.00	0.01	0.01	1.1	E
3/28/2024 12:40:00	21.9	24.0	2.1	0.00	0.01	0.01	1.1	NE
3/28/2024 12:41:00	19.9	22.9	3.1	0.00	0.01	0.01	1.1	E
3/28/2024 12:42:00	18.3	21.6	3.2	0.00	0.01	0.01	1.1	ESE
3/28/2024 12:43:00	17.4	20.6	3.2	0.00	0.01	0.01	1.2	E
3/28/2024 12:44:00	16.6	19.4	2.8	0.00	0.01	0.01	1.1	ESE
3/28/2024 12:45:00	15.5	17.6	2.0	0.00	0.01	0.01	1.1	NE
3/28/2024 12:46:00	15.2	16.1	1.0	0.00	0.01	0.01	1.1	ESE
3/28/2024 12:47:00	14.7	14.9	0.2	0.00	0.01	0.01	1.2	SSW
3/28/2024 12:48:00	14.1	13.1	-1.0	0.00	0.01	0.01	1.2	SSE
3/28/2024 12:49:00	13.2	12.9	-0.3	0.00	0.01	0.01	1.1	S
3/28/2024 12:50:00	12.5	13.1	0.6	0.01	0.01	0.00	1.0	WSW
3/28/2024 12:51:00	12.6	13.3	0.8	0.01	0.01	0.00	1.0	WSW
3/28/2024 12:52:00	12.8	13.5	0.8	0.01	0.01	0.00	1.0	NNE
3/28/2024 12:53:00	12.9	13.6	0.6	0.01	0.01	0.00	1.0	ENE
3/28/2024 12:54:00	13.0	13.4	0.4	0.01	0.01	0.00	1.0	E
3/28/2024 12:55:00	13.1	13.3	0.1	0.01	0.01	0.00	1.1	ESE
3/28/2024 12:56:00	13.1	13.0	-0.1	0.01	0.01	0.00	1.1	ENE
3/28/2024 12:57:00	13.0	12.9	-0.1	0.01	0.01	0.00	1.0	NNW
3/28/2024 12:58:00	12.8	12.8	0.0	0.01	0.01	0.00	1.0	E
3/28/2024 12:59:00	12.7	12.6	-0.1	0.01	0.01	0.00	1.0	E
3/28/2024 13:00:00	12.2	12.6	0.3	0.01	0.01	0.00	1.0	E
3/28/2024 13:01:00	11.0	11.6	0.6	0.01	0.01	0.00	1.0	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/28/2024 13:02:00	9.9	10.5	0.7	0.01	0.01	0.00	1.0	ESE
3/28/2024 13:03:00	9.2	9.7	0.5	0.00	0.01	0.00	1.0	E
3/28/2024 13:04:00	8.7	8.9	0.2	0.00	0.01	0.01	1.1	ESE
3/28/2024 13:05:00	8.5	8.3	-0.2	0.00	0.01	0.01	1.2	ESE
3/28/2024 13:06:00	8.2	7.9	-0.3	0.00	0.01	0.01	1.2	ESE
3/28/2024 13:07:00	8.0	7.7	-0.3	0.00	0.01	0.01	1.3	W
3/28/2024 13:08:00	8.0	7.7	-0.3	0.00	0.01	0.01	1.3	W
3/28/2024 13:09:00	7.9	7.7	-0.1	0.00	0.01	0.01	1.4	ESE
3/28/2024 13:10:00	7.7	7.7	0.0	0.00	0.01	0.00	1.3	E
3/28/2024 13:11:00	7.6	7.7	0.1	0.00	0.01	0.00	1.3	W
3/28/2024 13:12:00	7.6	7.5	0.0	0.00	0.01	0.00	1.4	NW
3/28/2024 13:13:00	7.5	7.4	-0.1	0.00	0.01	0.00	1.4	E
3/28/2024 13:14:00	7.5	7.3	-0.2	0.00	0.01	0.00	1.5	NE
3/28/2024 13:15:00	7.3	6.9	-0.4	0.00	0.01	0.00	1.6	E
3/28/2024 13:16:00	7.2	6.7	-0.5	0.00	0.00	0.00	1.6	S
3/28/2024 13:17:00	7.1	6.6	-0.5	0.00	0.00	0.00	1.6	S
3/28/2024 13:18:00	7.1	6.7	-0.4	0.00	0.00	0.00	1.6	ENE
3/28/2024 13:19:00	7.3	6.7	-0.6	0.00	0.00	0.00	1.7	ESE
3/28/2024 13:20:00	7.2	6.9	-0.3	0.00	0.00	0.00	1.6	SSW
3/28/2024 13:21:00	7.2	6.9	-0.3	0.00	0.00	0.00	1.6	E
3/28/2024 13:22:00	7.2	6.8	-0.4	0.00	0.01	0.00	1.6	ESE
3/28/2024 13:23:00	7.0	6.6	-0.4	0.00	0.01	0.00	1.7	ESE
3/28/2024 13:24:00	6.9	6.4	-0.6	0.00	0.01	0.00	1.6	E
3/28/2024 13:25:00	6.9	6.4	-0.5	0.00	0.01	0.00	1.6	ESE
3/28/2024 13:26:00	6.9	6.4	-0.5	0.00	0.01	0.00	1.5	E
3/28/2024 13:27:00	6.8	6.5	-0.4	0.00	0.01	0.01	1.5	NE
3/28/2024 13:28:00	7.0	6.4	-0.6	0.00	0.01	0.01	1.5	ENE
3/28/2024 13:29:00	7.1	6.5	-0.6	0.00	0.01	0.01	1.4	ENE
3/28/2024 13:30:00	7.2	6.7	-0.5	0.00	0.01	0.00	1.3	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
3/28/2024 13:31:00	7.3	6.8	-0.5	0.00	0.01	0.00	1.4	NW
3/28/2024 13:32:00	7.3	6.9	-0.4	0.00	0.01	0.00	1.4	WNW
3/28/2024 13:33:00	7.4	6.9	-0.5	0.00	0.01	0.00	1.3	NNE
3/28/2024 13:34:00	7.3	6.9	-0.3	0.00	0.01	0.00	1.3	NE
3/28/2024 13:35:00	7.4	6.8	-0.6	0.00	0.01	0.01	1.3	E
3/28/2024 13:36:00	7.4	6.8	-0.6	0.00	0.01	0.01	1.2	ESE
3/28/2024 13:37:00	7.5	6.9	-0.7	0.00	0.01	0.01	1.3	E
3/28/2024 13:38:00	7.4	7.0	-0.4	0.00	0.01	0.00	1.2	WSW
3/28/2024 13:39:00	7.6	7.1	-0.5	0.00	0.01	0.00	1.2	NNW
3/28/2024 13:40:00	7.7	7.2	-0.5	0.00	0.01	0.00	1.2	NNW
3/28/2024 13:41:00	7.8	7.2	-0.7	0.00	0.01	0.00	1.3	E
3/28/2024 13:42:00	7.9	7.1	-0.8	0.00	0.01	0.00	1.3	ESE
3/28/2024 13:43:00	7.9	7.1	-0.8	0.00	0.01	0.00	1.3	SE
3/28/2024 13:44:00	7.8	7.0	-0.8	0.00	0.01	0.00	1.4	SE
3/28/2024 13:45:00	7.9	6.8	-1.1	0.00	0.01	0.01	1.4	E
3/28/2024 13:46:00	7.8	6.8	-1.0	0.00	0.01	0.01	1.5	WSW
3/28/2024 13:47:00	8.0	6.7	-1.3	0.00	0.01	0.01	1.6	E
3/28/2024 13:48:00	7.9	6.7	-1.3	0.00	0.01	0.01	1.7	ESE
3/28/2024 13:49:00	7.8	6.7	-1.1	0.00	0.01	0.01	1.7	S
3/28/2024 13:50:00	7.7	6.6	-1.1	0.00	0.01	0.01	1.8	SE
3/28/2024 13:51:00	7.6	6.5	-1.1	0.00	0.01	0.00	1.8	E
3/28/2024 13:52:00	7.5	6.3	-1.2	0.00	0.01	0.00	1.9	ESE
3/28/2024 13:53:00	7.5	6.1	-1.4	0.00	0.01	0.00	2.0	ESE
3/28/2024 13:54:00	7.3	6.0	-1.2	0.00	0.01	0.00	2.0	WSW
3/28/2024 13:55:00	7.0	6.0	-1.1	0.00	0.01	0.00	2.0	WSW
3/28/2024 13:56:00	6.9	6.0	-0.9	0.00	0.01	0.00	2.0	SW
3/28/2024 13:57:00	6.8	5.9	-0.8	0.00	0.00	0.00	2.1	E
3/28/2024 13:58:00	6.6	5.8	-0.8	0.00	0.00	0.00	2.2	ESE
3/28/2024 13:59:00	6.5	5.7	-0.8	0.00	0.00	0.00	2.2	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/28/2024 14:00:00	6.3	5.6	-0.7	0.00	0.00	0.00	2.3	ESE
3/28/2024 14:01:00	6.3	5.4	-0.9	0.00	0.00	0.00	2.3	ESE
3/28/2024 14:02:00	6.0	5.4	-0.6	0.00	0.00	0.00	2.2	S
3/28/2024 14:03:00	5.9	5.2	-0.7	0.00	0.00	0.00	2.1	ESE
3/28/2024 14:04:00	5.9	5.0	-0.8	0.00	0.00	0.00	2.1	ESE
3/28/2024 14:05:00	5.8	4.9	-0.8	0.00	0.00	0.00	2.2	E
3/28/2024 14:06:00	5.7	4.9	-0.8	0.00	0.00	0.00	2.2	ESE
3/28/2024 14:07:00	5.6	4.9	-0.7	0.00	0.00	0.00	2.2	ESE
3/28/2024 14:08:00	5.5	4.8	-0.7	0.00	0.00	0.00	2.3	E
3/28/2024 14:09:00	5.5	4.7	-0.8	0.00	0.00	0.00	2.4	ESE
3/28/2024 14:10:00	5.5	4.5	-1.0	0.00	0.00	0.00	2.5	E
3/28/2024 14:11:00	5.5	4.3	-1.1	0.00	0.00	0.00	2.6	E
3/28/2024 14:12:00	5.3	4.2	-1.2	0.00	0.00	0.00	2.6	ESE
3/28/2024 14:13:00	5.3	4.1	-1.3	0.00	0.00	0.00	2.6	ESE
3/28/2024 14:14:00	5.4	4.1	-1.3	0.00	0.00	0.00	2.6	ESE
3/28/2024 14:15:00	5.3	4.1	-1.2	0.00	0.00	0.00	2.5	SSW
3/28/2024 14:16:00	5.2	4.1	-1.2	0.00	0.00	0.00	2.6	SE
3/28/2024 14:17:00	5.3	3.9	-1.3	0.00	0.00	0.00	2.7	SE
3/28/2024 14:18:00	5.2	4.0	-1.3	0.00	0.00	0.00	2.7	ESE
3/28/2024 14:19:00	5.1	4.0	-1.1	0.00	0.00	0.00	2.7	SSE
3/28/2024 14:20:00	5.1	4.0	-1.1	0.00	0.00	0.00	2.5	ENE
3/28/2024 14:21:00	5.2	4.1	-1.1	0.00	0.00	0.00	2.5	ESE
3/28/2024 14:22:00	5.2	4.1	-1.1	0.00	0.00	0.00	2.4	ESE
3/28/2024 14:23:00	5.2	4.2	-1.1	0.00	0.00	0.00	2.2	ENE
3/28/2024 14:24:00	5.3	4.2	-1.1	0.00	0.00	0.00	2.1	ESE
3/28/2024 14:25:00	5.3	4.3	-1.0	0.00	0.00	0.00	2.0	ESE
3/28/2024 14:26:00	5.4	4.4	-0.9	0.00	0.00	0.00	1.9	E
3/28/2024 14:27:00	5.4	4.6	-0.8	0.00	0.00	0.00	1.8	ESE
3/28/2024 14:28:00	5.5	4.7	-0.8	0.00	0.00	0.00	1.9	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
3/28/2024 14:29:00	5.5	4.7	-0.8	0.00	0.00	0.00	1.8	E
3/28/2024 14:30:00	5.7	4.7	-1.0	0.00	0.00	0.00	1.8	ESE
3/28/2024 14:31:00	5.7	4.7	-1.0	0.00	0.00	0.00	1.8	ESE
3/28/2024 14:32:00	5.7	4.7	-1.0	0.00	0.00	0.00	1.8	ESE
3/28/2024 14:33:00	5.8	4.7	-1.0	0.00	0.00	0.00	1.8	ESE
3/28/2024 14:34:00	5.8	4.7	-1.2	0.00	0.00	0.00	1.8	E
3/28/2024 14:35:00	5.7	4.7	-1.0	0.00	0.00	0.00	1.9	SSW
3/28/2024 14:36:00	5.6	4.6	-1.0	0.00	0.00	0.00	2.2	ESE
3/28/2024 14:37:00	5.5	4.6	-1.0	0.00	0.00	0.00	2.3	SE
3/28/2024 14:38:00	5.5	4.5	-1.0	0.00	0.00	0.00	2.4	NE
3/28/2024 14:39:00	5.3	4.4	-0.8	0.00	0.00	0.00	2.6	S
3/28/2024 14:40:00	5.2	4.4	-0.8	0.00	0.00	0.00	2.7	ENE
3/28/2024 14:41:00	5.0	4.3	-0.8	0.00	0.00	0.00	2.7	SSE
3/28/2024 14:42:00	4.9	4.1	-0.8	0.00	0.00	0.00	2.7	ESE
3/28/2024 14:43:00	4.8	4.0	-0.7	0.00	0.00	0.00	2.8	ESE
3/28/2024 14:44:00	4.5	4.0	-0.5	0.00	0.00	0.00	2.8	S
3/28/2024 14:45:00	4.5	4.0	-0.4	0.00	0.00	0.00	2.9	ESE
3/28/2024 14:46:00	4.4	4.0	-0.4	0.00	0.00	0.00	3.1	ESE