

DAILY FIELD REPORT 210

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	March 15, 2024
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:45 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: Caitlyn Dempsey (Environmental) Emily Rodriguez (Environmental)
Construction Manager: Consigli Construction Co., Inc. (Consigli)	
Foundation Contractor: Urban Foundation/Engineering (Urban)	

Work Activities Performed:

- Urban excavated an about 20-foot-long by 10-foot-wide area to a depth of about 5 feet below grade surface (bgs) in the southern part of grids WC04_0-5 and WC04_5-10 as part of the remedial excavation of the former underground storage tank (UST). 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 graded an about 15-foot-long by 15-foot-wide area in the western part of grid WC04 for equipment mobilization.
- Urban backfilled around timber lagging in the central and southern parts of grid WC04 with imported pipe sand.
- All excavated and graded material consisted of non-native soil; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a release were not observed.
- Urban continued installing waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the central 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:
 - 3 loads of soil/fill from waste characterization grids WC04_0-5, WC04_5-10, WC05_0-5, and WC05_5-10 were exported for off-site disposal at the Clean Earth of Carteret LLC facility in Carteret, NJ.
- The following materials were imported to the site:
 - 2 loads of pipe sand from North American Aggregate Mining Operations located in Perth Amboy, NJ 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	-	3	60	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	314	6,280	0	-	16	320

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	-	2	34
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	14	238
Approved Quantity	-	500	-	500	-	200	-	300

Samples Collected:

- Langan collected two confirmation endpoint samples (Sample IDs UST_RE_EPS03_el_2, UST_RE_EPS05_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.
- Langan collected one post-excavation confirmation endpoint sample (sample IDs EPB13_el_3) in the southwestern part of the site to be analyzed for VOCs, SVOCs (including 1,4-dioxane via Method 8270-SIM), PCBs, pesticides, herbicides, metals (including trivalent and hex chromium), total cyanide, and per- and polyfluoroalkyl substances (PFAS) (Method 1633).

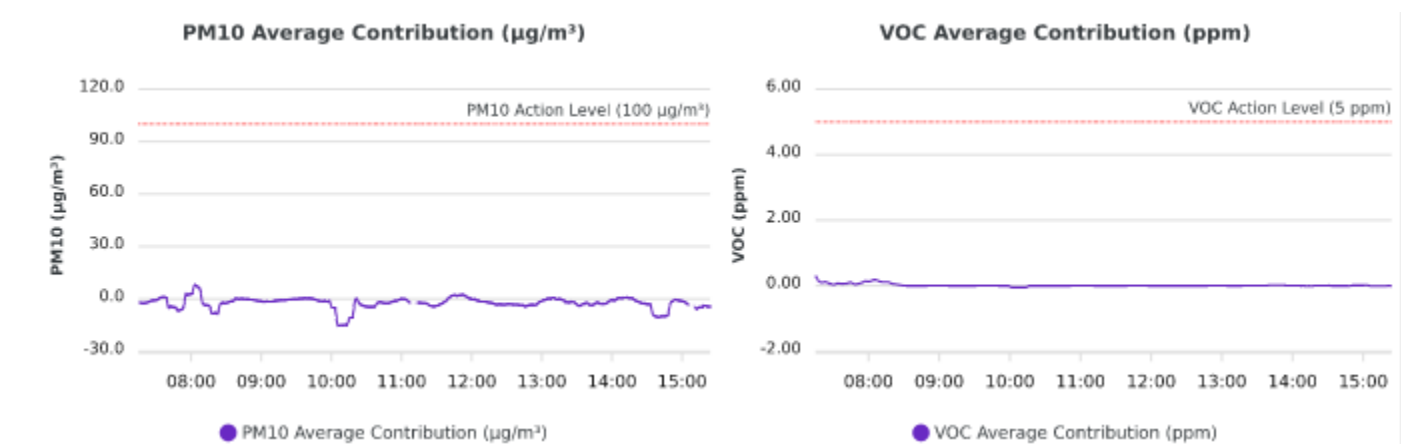
Air Monitoring:

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	8.4	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-15.5	VOC Average Site Contribution (Minimum)	-0.05
PM10 Average Site Contribution (Maximum)	8.1	VOC Average Site Contribution (Maximum)	0.31

µg/m³: micrograms per cubic meter.

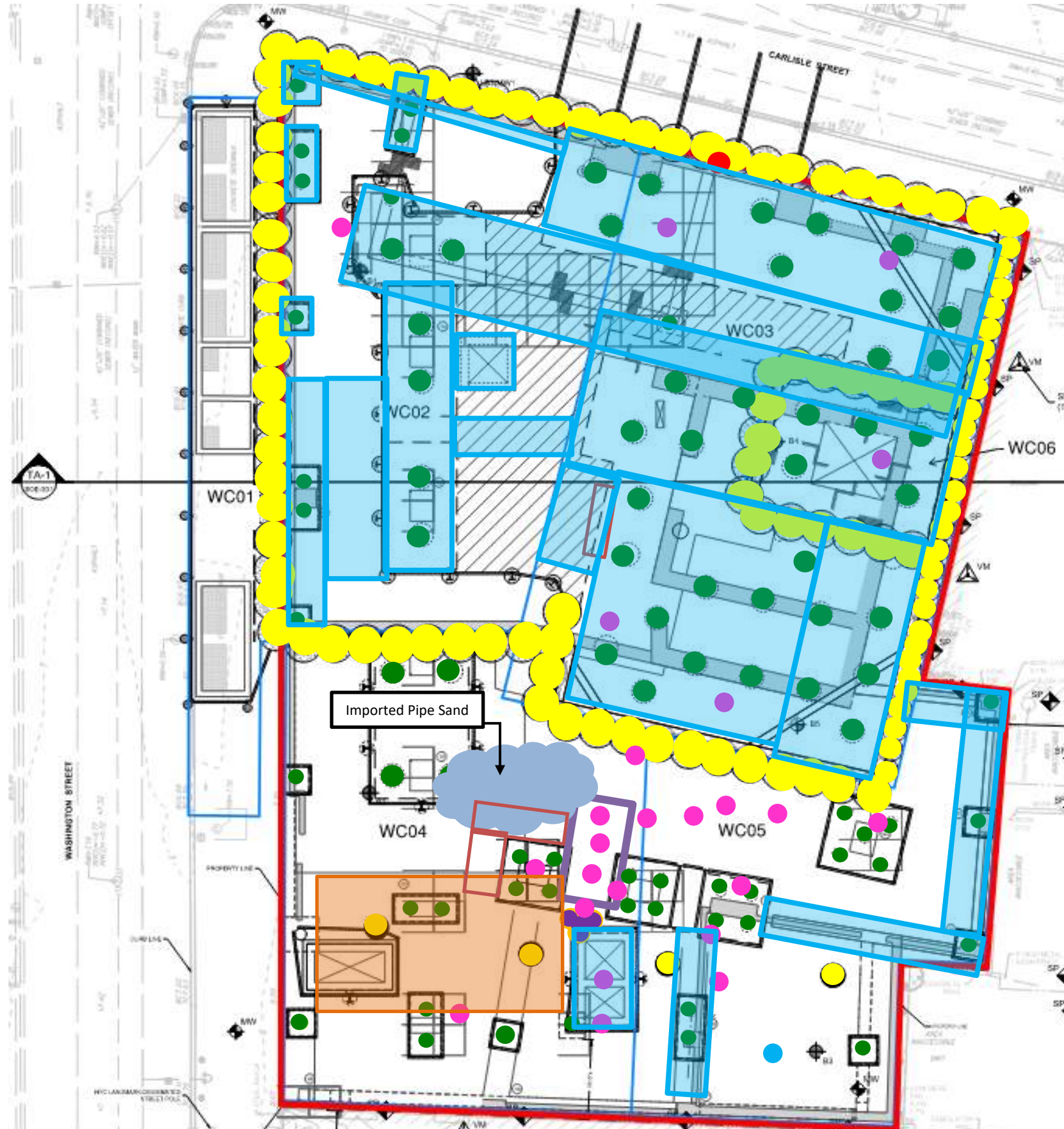
ppm: parts per million.



Planned Activities:

- Urban will continue to excavate and grade site soil/fill in support of foundation installation.







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

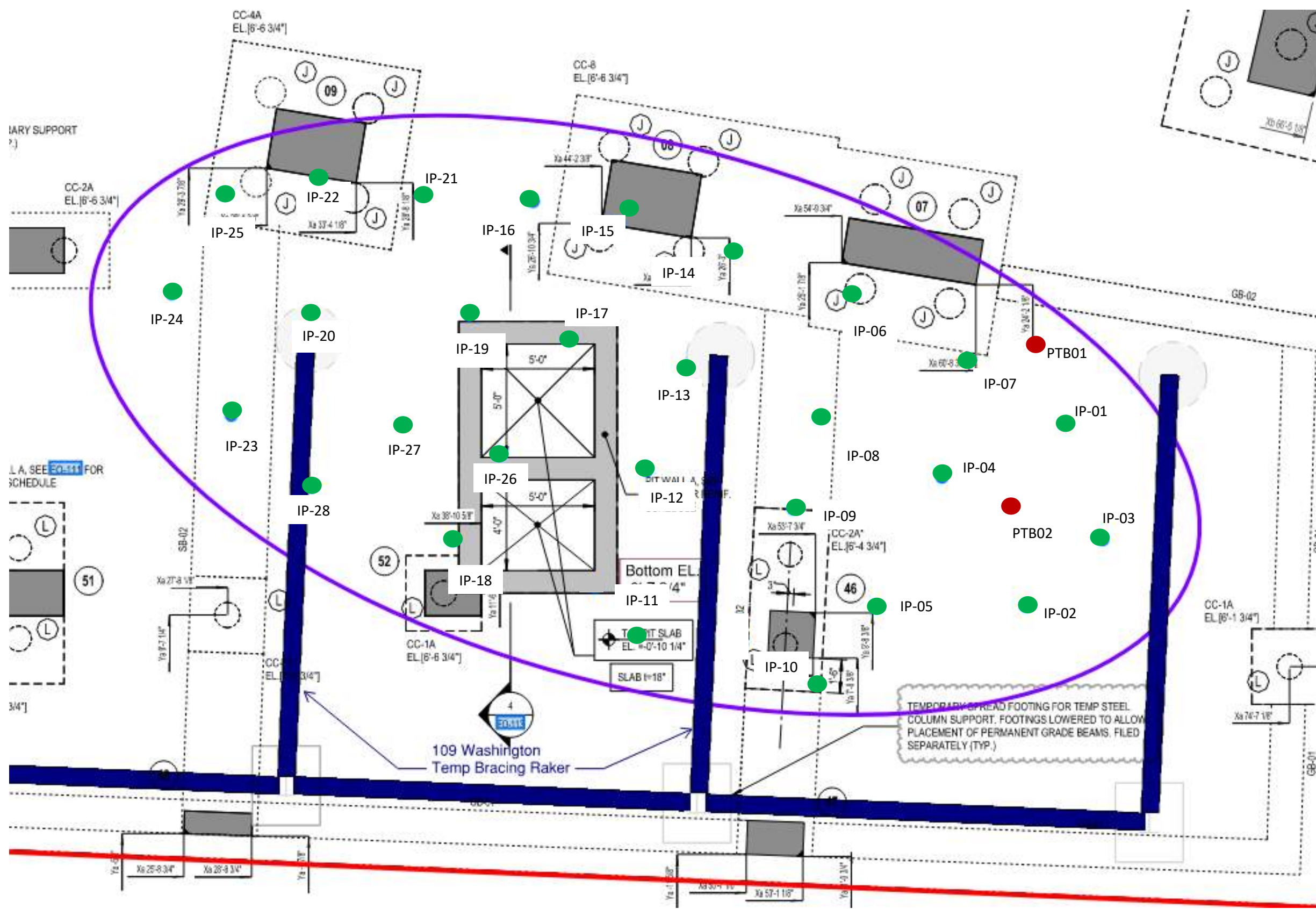


Photo Log

Photo 1: Urban loading a truck for soil/fill export (facing northwest).



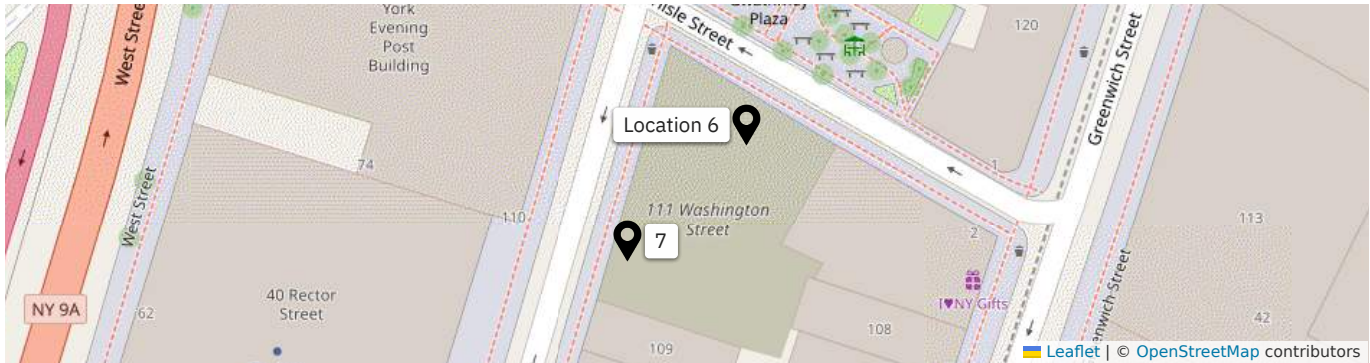
Photo 2: Urban excavating soil/fill in the southwestern area of WC04_0-5 (facing southeast).



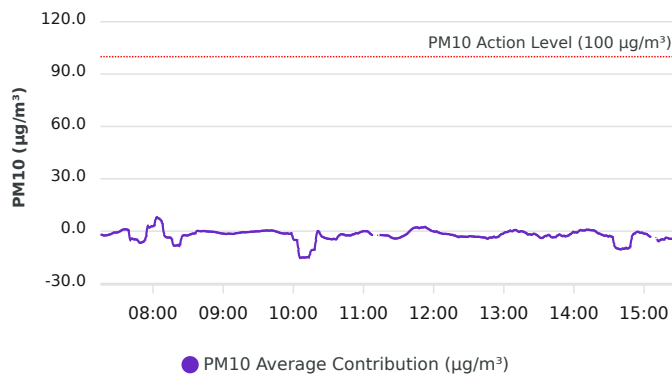
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	3/15/2024 06:00
		To:	3/15/2024 19:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
3/15/2024	0.3-2.9	ENE

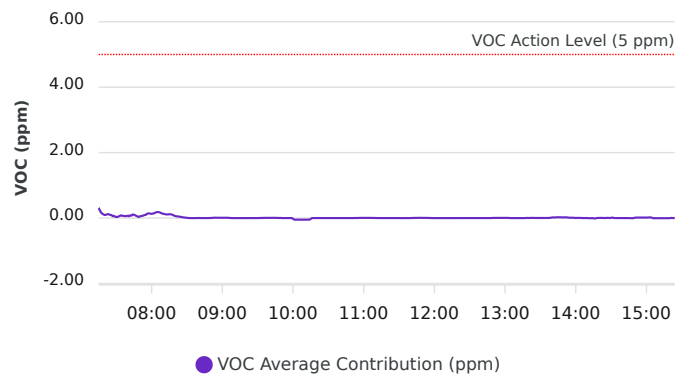
Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 3/15/2024	-15.5	10:05	-0.05	10:02
Max Contribution (15 min avg.) - 3/15/2024	8.1	08:03	0.31	07:15



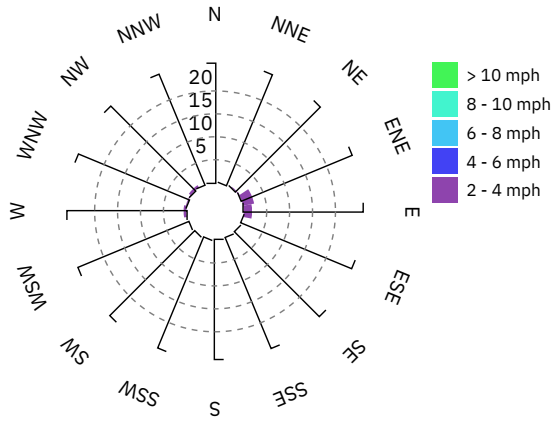
PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)



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
3/15/2024 07:13:00							0.7	SSW
3/15/2024 07:14:00							0.7	WSW
3/15/2024 07:15:00	8.4	6.2	-2.2	0.00	0.31	0.31	0.7	S
3/15/2024 07:16:00	8.2	6.2	-2.0	0.00	0.24	0.24	0.7	SSW
3/15/2024 07:17:00	8.4	6.0	-2.4	0.00	0.17	0.17	0.8	SSW
3/15/2024 07:18:00	8.4	5.9	-2.5	0.00	0.14	0.14	0.8	WSW
3/15/2024 07:19:00	8.3	5.9	-2.4	0.01	0.12	0.11	0.8	WSW
3/15/2024 07:20:00	8.3	6.0	-2.4	0.01	0.10	0.10	0.8	WSW
3/15/2024 07:21:00	8.3	6.1	-2.2	0.01	0.11	0.10	0.9	WSW
3/15/2024 07:22:00	8.2	6.2	-2.0	0.01	0.13	0.11	0.9	SW
3/15/2024 07:23:00	8.1	6.3	-1.8	0.02	0.14	0.12	0.8	SW
3/15/2024 07:24:00	7.9	6.4	-1.6	0.02	0.13	0.11	0.8	WSW
3/15/2024 07:25:00	7.6	6.5	-1.2	0.02	0.12	0.10	0.8	SSW
3/15/2024 07:26:00	7.3	6.5	-0.8	0.02	0.11	0.09	0.8	WSW
3/15/2024 07:27:00	7.2	6.3	-0.9	0.04	0.10	0.06	0.8	ENE
3/15/2024 07:28:00	7.0	6.3	-0.7	0.04	0.11	0.07	0.9	W
3/15/2024 07:29:00	6.9	6.1	-0.8	0.06	0.10	0.04	0.9	ESE
3/15/2024 07:30:00	6.6	6.0	-0.5	0.06	0.10	0.03	0.8	W
3/15/2024 07:31:00	6.3	6.1	-0.2	0.07	0.10	0.04	0.9	W
3/15/2024 07:32:00	6.1	6.3	0.2	0.07	0.12	0.05	0.9	WSW
3/15/2024 07:33:00	5.9	6.5	0.6	0.07	0.13	0.07	0.9	SW
3/15/2024 07:34:00	5.7	6.6	0.9	0.07	0.15	0.08	0.9	W
3/15/2024 07:35:00	5.5	6.6	1.1	0.08	0.15	0.07	0.8	E
3/15/2024 07:36:00	5.5	6.5	1.1	0.08	0.15	0.07	0.8	WSW
3/15/2024 07:37:00	5.5	6.5	1.0	0.08	0.14	0.06	0.8	W
3/15/2024 07:38:00	5.6	6.4	0.8	0.08	0.14	0.06	0.8	WSW
3/15/2024 07:39:00	6.1	6.4	0.3	0.08	0.14	0.06	0.8	WSW
3/15/2024 07:40:00	11.8	6.4	-5.4	0.08	0.15	0.07	0.8	W
3/15/2024 07:41:00	12.0	7.7	-4.3	0.10	0.15	0.06	0.8	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
3/15/2024 07:42:00	12.2	7.9	-4.3	0.07	0.16	0.08	0.7	SSE
3/15/2024 07:43:00	12.7	7.9	-4.8	0.07	0.15	0.08	0.7	WSW
3/15/2024 07:44:00	12.7	8.1	-4.6	0.05	0.16	0.11	0.7	W
3/15/2024 07:45:00	13.0	8.2	-4.8	0.06	0.16	0.10	0.7	W
3/15/2024 07:46:00	13.1	8.2	-4.9	0.06	0.15	0.08	0.7	SE
3/15/2024 07:47:00	13.6	8.0	-5.6	0.07	0.13	0.07	0.7	W
3/15/2024 07:48:00	14.7	7.9	-6.8	0.07	0.12	0.05	0.7	SSW
3/15/2024 07:49:00	14.5	7.9	-6.7	0.07	0.10	0.03	0.7	SSE
3/15/2024 07:50:00	14.3	7.8	-6.4	0.05	0.10	0.05	0.8	WSW
3/15/2024 07:51:00	14.0	7.9	-6.2	0.05	0.11	0.06	0.8	W
3/15/2024 07:52:00	13.8	7.9	-5.8	0.05	0.12	0.07	0.8	W
3/15/2024 07:53:00	13.8	9.0	-4.8	0.05	0.13	0.08	0.8	SW
3/15/2024 07:54:00	13.5	11.0	-2.5	0.05	0.14	0.09	0.8	SSW
3/15/2024 07:55:00	8.0	11.3	3.3	0.05	0.15	0.10	0.8	WSW
3/15/2024 07:56:00	8.0	9.9	1.9	0.03	0.16	0.13	0.9	W
3/15/2024 07:57:00	7.7	10.0	2.3	0.03	0.17	0.14	0.9	SW
3/15/2024 07:58:00	7.3	10.1	2.7	0.03	0.17	0.14	0.9	S
3/15/2024 07:59:00	7.3	10.1	2.8	0.03	0.17	0.14	0.9	WNW
3/15/2024 08:00:00	7.1	10.0	2.9	0.03	0.16	0.13	1.0	W
3/15/2024 08:01:00	7.1	10.6	3.5	0.02	0.16	0.14	1.0	SW
3/15/2024 08:02:00	7.0	14.5	7.5	0.02	0.16	0.14	1.0	WSW
3/15/2024 08:03:00	7.2	15.3	8.1	0.02	0.18	0.16	1.0	WSW
3/15/2024 08:04:00	8.0	15.4	7.4	0.02	0.20	0.18	1.1	WSW
3/15/2024 08:05:00	8.3	15.5	7.2	0.02	0.20	0.18	1.0	W
3/15/2024 08:06:00	9.1	15.6	6.4	0.02	0.20	0.18	1.1	W
3/15/2024 08:07:00	9.8	15.5	5.7	0.02	0.19	0.17	1.0	WSW
3/15/2024 08:08:00	10.7	14.5	3.8	0.02	0.17	0.15	1.0	WSW
3/15/2024 08:09:00	14.4	12.4	-2.0	0.02	0.15	0.14	1.0	WSW
3/15/2024 08:10:00	15.3	12.1	-3.1	0.02	0.15	0.13	1.0	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/15/2024 08:11:00	15.7	12.2	-3.5	0.02	0.14	0.12	1.0	W
3/15/2024 08:12:00	15.9	12.2	-3.7	0.02	0.14	0.11	1.0	WSW
3/15/2024 08:13:00	15.8	12.2	-3.6	0.02	0.13	0.11	0.9	WSW
3/15/2024 08:14:00	15.9	12.3	-3.6	0.02	0.14	0.11	0.9	SSW
3/15/2024 08:15:00	16.3	12.4	-3.9	0.02	0.14	0.12	0.9	W
3/15/2024 08:16:00	16.7	11.9	-4.8	0.02	0.14	0.12	0.9	WSW
3/15/2024 08:17:00	16.3	8.0	-8.3	0.02	0.14	0.11	0.9	SSE
3/15/2024 08:18:00	15.8	7.3	-8.4	0.02	0.12	0.09	0.8	W
3/15/2024 08:19:00	15.5	7.3	-8.2	0.02	0.10	0.08	0.9	WSW
3/15/2024 08:20:00	15.5	7.3	-8.2	0.02	0.09	0.06	0.9	SW
3/15/2024 08:21:00	15.0	7.2	-7.8	0.02	0.08	0.06	0.9	WSW
3/15/2024 08:22:00	16.0	7.3	-8.7	0.02	0.07	0.05	0.9	WNW
3/15/2024 08:23:00	14.9	7.5	-7.5	0.03	0.07	0.05	0.9	E
3/15/2024 08:24:00	11.0	7.4	-3.6	0.03	0.07	0.04	0.9	E
3/15/2024 08:25:00	10.0	7.4	-2.6	0.02	0.06	0.04	0.9	SSE
3/15/2024 08:26:00	9.5	7.2	-2.3	0.02	0.05	0.03	0.9	ESE
3/15/2024 08:27:00	9.4	7.1	-2.3	0.02	0.04	0.02	1.0	E
3/15/2024 08:28:00	9.4	6.9	-2.5	0.02	0.03	0.02	1.0	ENE
3/15/2024 08:29:00	9.2	6.8	-2.5	0.02	0.03	0.01	1.0	SE
3/15/2024 08:30:00	8.9	6.6	-2.3	0.02	0.02	0.01	1.0	ENE
3/15/2024 08:31:00	8.4	6.5	-1.9	0.01	0.02	0.00	1.0	W
3/15/2024 08:32:00	8.2	6.4	-1.8	0.01	0.01	0.00	1.1	W
3/15/2024 08:33:00	7.6	6.2	-1.4	0.01	0.01	0.00	1.1	ENE
3/15/2024 08:34:00	7.3	5.9	-1.4	0.01	0.01	0.00	1.1	ESE
3/15/2024 08:35:00	7.1	5.7	-1.4	0.01	0.01	0.00	1.1	NNE
3/15/2024 08:36:00	6.9	5.7	-1.2	0.01	0.01	0.00	1.1	ENE
3/15/2024 08:37:00	5.4	5.5	0.2	0.01	0.01	0.00	1.2	E
3/15/2024 08:38:00	5.3	5.3	0.1	0.00	0.00	0.00	1.2	WNW
3/15/2024 08:39:00	5.2	5.3	0.1	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
3/15/2024 08:40:00	5.2	5.2	-0.1	0.00	0.00	0.00	1.2	ENE
3/15/2024 08:41:00	5.2	5.2	0.0	0.00	0.00	0.00	1.2	E
3/15/2024 08:42:00	5.2	5.2	0.0	0.00	0.00	0.00	1.2	ESE
3/15/2024 08:43:00	5.1	5.3	0.2	0.00	0.00	0.00	1.3	W
3/15/2024 08:44:00	5.2	5.2	0.0	0.00	0.00	0.00	1.3	N
3/15/2024 08:45:00	5.2	5.2	-0.1	0.00	0.00	0.00	1.3	E
3/15/2024 08:46:00	5.3	5.1	-0.2	0.00	0.00	0.00	1.3	NNE
3/15/2024 08:47:00	5.4	5.1	-0.3	0.00	0.00	0.00	1.3	WNW
3/15/2024 08:48:00	5.5	5.2	-0.3	0.00	0.00	0.00	1.3	NE
3/15/2024 08:49:00	5.6	5.3	-0.3	0.00	0.00	0.00	1.3	NE
3/15/2024 08:50:00	5.6	5.3	-0.3	0.00	0.00	0.00	1.3	E
3/15/2024 08:51:00	5.6	5.2	-0.4	0.00	0.00	0.00	1.3	NE
3/15/2024 08:52:00	5.6	5.2	-0.4	0.00	0.01	0.01	1.3	ENE
3/15/2024 08:53:00	5.6	5.0	-0.6	0.00	0.01	0.01	1.3	ENE
3/15/2024 08:54:00	5.6	5.0	-0.6	0.00	0.01	0.01	1.3	SE
3/15/2024 08:55:00	5.8	5.0	-0.9	0.00	0.01	0.01	1.3	E
3/15/2024 08:56:00	5.9	4.9	-1.0	0.00	0.01	0.01	1.3	ENE
3/15/2024 08:57:00	5.9	4.8	-1.1	0.00	0.01	0.01	1.3	ENE
3/15/2024 08:58:00	6.0	4.6	-1.3	0.00	0.01	0.01	1.2	NNE
3/15/2024 08:59:00	5.9	4.6	-1.4	0.00	0.01	0.01	1.2	ESE
3/15/2024 09:00:00	5.9	4.5	-1.4	0.00	0.01	0.01	1.2	NNE
3/15/2024 09:01:00	5.9	4.3	-1.5	0.00	0.01	0.01	1.2	E
3/15/2024 09:02:00	5.9	4.2	-1.7	0.00	0.01	0.01	1.2	ENE
3/15/2024 09:03:00	5.7	4.2	-1.5	0.00	0.01	0.01	1.2	WNW
3/15/2024 09:04:00	5.5	4.1	-1.4	0.00	0.01	0.01	1.2	NNE
3/15/2024 09:05:00	5.5	4.0	-1.5	0.00	0.01	0.01	1.2	ENE
3/15/2024 09:06:00	5.4	3.9	-1.5	0.00	0.01	0.01	1.1	NE
3/15/2024 09:07:00	5.4	3.8	-1.6	0.00	0.00	0.00	1.1	E
3/15/2024 09:08:00	5.4	3.8	-1.6	0.00	0.00	0.00	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
3/15/2024 09:09:00	5.4	3.8	-1.6	0.00	0.00	0.00	1.1	ESE
3/15/2024 09:10:00	5.1	3.9	-1.2	0.00	0.00	0.00	1.1	WNW
3/15/2024 09:11:00	5.1	4.0	-1.1	0.00	0.00	0.00	1.1	NNW
3/15/2024 09:12:00	5.0	4.0	-1.1	0.00	0.00	0.00	1.1	E
3/15/2024 09:13:00	5.0	4.0	-1.0	0.00	0.00	0.00	1.1	NE
3/15/2024 09:14:00	5.0	4.1	-0.8	0.00	0.00	0.00	1.2	S
3/15/2024 09:15:00	5.0	4.2	-0.8	0.00	0.00	0.00	1.2	E
3/15/2024 09:16:00	4.9	4.3	-0.6	0.00	0.00	0.00	1.1	SW
3/15/2024 09:17:00	4.9	4.3	-0.6	0.00	0.00	0.00	1.1	E
3/15/2024 09:18:00	5.0	4.3	-0.7	0.00	0.00	0.00	1.1	ENE
3/15/2024 09:19:00	5.0	4.4	-0.6	0.00	0.00	0.00	1.2	E
3/15/2024 09:20:00	5.0	4.4	-0.6	0.00	0.00	0.00	1.2	NNW
3/15/2024 09:21:00	5.0	4.5	-0.5	0.00	0.00	0.00	1.2	ENE
3/15/2024 09:22:00	5.1	4.6	-0.5	0.00	0.00	0.00	1.2	ESE
3/15/2024 09:23:00	5.0	4.7	-0.4	0.00	0.00	0.00	1.2	NW
3/15/2024 09:24:00	5.0	4.7	-0.3	0.00	0.00	0.00	1.2	ESE
3/15/2024 09:25:00	5.0	4.7	-0.4	0.00	0.00	0.00	1.2	NNE
3/15/2024 09:26:00	5.0	4.7	-0.3	0.00	0.00	0.00	1.1	NW
3/15/2024 09:27:00	4.9	4.8	-0.1	0.00	0.00	0.00	1.1	W
3/15/2024 09:28:00	4.9	4.8	-0.1	0.00	0.00	0.00	1.1	E
3/15/2024 09:29:00	4.9	4.8	-0.1	0.00	0.00	0.00	1.1	NW
3/15/2024 09:30:00	4.9	4.8	-0.1	0.00	0.00	0.00	1.1	NE
3/15/2024 09:31:00	5.0	4.9	-0.1	0.00	0.00	0.00	1.1	W
3/15/2024 09:32:00	4.9	5.0	0.1	0.00	0.00	0.00	1.1	W
3/15/2024 09:33:00	4.9	5.2	0.3	0.00	0.01	0.01	1.1	W
3/15/2024 09:34:00	5.0	5.1	0.2	0.01	0.01	0.00	1.1	ESE
3/15/2024 09:35:00	4.9	5.2	0.3	0.01	0.01	0.01	1.1	WNW
3/15/2024 09:36:00	4.9	5.3	0.3	0.01	0.01	0.01	1.1	SSE
3/15/2024 09:37:00	4.9	5.3	0.5	0.01	0.01	0.01	1.1	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
3/15/2024 09:38:00	4.9	5.3	0.3	0.01	0.01	0.01	1.1	NNE
3/15/2024 09:39:00	5.0	5.2	0.2	0.01	0.01	0.01	1.1	ENE
3/15/2024 09:40:00	4.9	5.3	0.3	0.01	0.01	0.01	1.1	SSW
3/15/2024 09:41:00	4.9	5.4	0.5	0.01	0.01	0.01	1.1	W
3/15/2024 09:42:00	5.1	5.3	0.3	0.01	0.01	0.01	1.1	NE
3/15/2024 09:43:00	5.1	5.3	0.2	0.00	0.01	0.01	1.2	ENE
3/15/2024 09:44:00	5.2	5.2	0.0	0.00	0.01	0.01	1.2	E
3/15/2024 09:45:00	5.3	5.1	-0.2	0.00	0.01	0.01	1.2	N
3/15/2024 09:46:00	5.4	5.0	-0.4	0.00	0.01	0.01	1.2	ENE
3/15/2024 09:47:00	5.5	4.8	-0.7	0.00	0.01	0.00	1.2	NE
3/15/2024 09:48:00	5.6	4.6	-0.9	0.00	0.01	0.00	1.2	N
3/15/2024 09:49:00	5.7	4.6	-1.1	0.00	0.01	0.01	1.2	E
3/15/2024 09:50:00	5.7	4.5	-1.3	0.00	0.00	0.00	1.2	ENE
3/15/2024 09:51:00	5.6	4.4	-1.3	0.00	0.00	0.00	1.2	SW
3/15/2024 09:52:00	5.7	4.2	-1.5	0.00	0.00	0.00	1.3	E
3/15/2024 09:53:00	5.6	4.2	-1.4	0.00	0.00	0.00	1.3	SE
3/15/2024 09:54:00	5.5	4.4	-1.1	0.00	0.00	0.00	1.2	WSW
3/15/2024 09:55:00	5.7	4.3	-1.4	0.00	0.00	0.00	1.3	E
3/15/2024 09:56:00	5.8	4.1	-1.6	0.00	0.00	0.00	1.2	NE
3/15/2024 09:57:00	5.6	4.1	-1.5	0.00	0.00	0.00	1.2	ENE
3/15/2024 09:58:00	5.6	4.5	-1.1	0.00	0.00	0.00	1.1	WSW
3/15/2024 09:59:00	7.8	4.5	-3.3	0.00	0.00	0.00	1.1	ESE
3/15/2024 10:00:00	9.6	4.5	-5.1	0.02	0.00	-0.02	1.1	E
3/15/2024 10:01:00	9.6	4.6	-5.0	0.05	0.00	-0.05	1.1	ENE
3/15/2024 10:02:00	9.6	4.6	-5.0	0.05	0.00	-0.05	1.1	E
3/15/2024 10:03:00	9.8	4.6	-5.2	0.05	0.00	-0.05	1.1	E
3/15/2024 10:04:00	15.3	4.6	-10.7	0.05	0.00	-0.05	1.1	N
3/15/2024 10:05:00	20.1	4.7	-15.5	0.05	0.00	-0.05	1.1	ENE
3/15/2024 10:06:00	20.2	4.9	-15.3	0.05	0.00	-0.05	1.1	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
3/15/2024 10:07:00	20.1	5.0	-15.0	0.05	0.00	-0.05	1.1	WNW
3/15/2024 10:08:00	20.1	5.0	-15.0	0.05	0.00	-0.05	1.1	E
3/15/2024 10:09:00	20.0	4.9	-15.2	0.05	0.00	-0.05	1.1	WSW
3/15/2024 10:10:00	20.0	4.9	-15.1	0.05	0.00	-0.05	1.1	ENE
3/15/2024 10:11:00	19.9	5.0	-14.9	0.05	0.00	-0.05	1.1	SSW
3/15/2024 10:12:00	19.9	5.1	-14.8	0.05	0.00	-0.05	1.1	W
3/15/2024 10:13:00	20.1	4.9	-15.2	0.05	0.00	-0.05	1.0	E
3/15/2024 10:14:00	17.9	5.1	-12.8	0.05	0.00	-0.05	1.1	NW
3/15/2024 10:15:00	15.9	5.1	-10.8	0.03	0.00	-0.03	1.1	NNE
3/15/2024 10:16:00	15.9	5.1	-10.8	0.00	0.00	0.00	1.0	ENE
3/15/2024 10:17:00	15.9	5.1	-10.7	0.00	0.00	0.00	1.0	E
3/15/2024 10:18:00	15.7	5.1	-10.6	0.00	0.00	0.00	1.1	NE
3/15/2024 10:19:00	10.1	5.1	-5.0	0.00	0.00	0.00	1.0	NE
3/15/2024 10:20:00	5.2	5.1	-0.1	0.00	0.00	0.00	1.0	E
3/15/2024 10:21:00	5.2	5.4	0.1	0.00	0.00	0.00	1.0	WNW
3/15/2024 10:22:00	6.1	5.3	-0.8	0.00	0.00	0.00	1.0	NE
3/15/2024 10:23:00	7.5	5.3	-2.2	0.00	0.00	0.00	1.0	E
3/15/2024 10:24:00	8.4	5.2	-3.1	0.00	0.00	0.00	1.0	ESE
3/15/2024 10:25:00	8.6	5.2	-3.4	0.00	0.00	0.00	1.0	E
3/15/2024 10:26:00	8.8	5.1	-3.7	0.00	0.00	0.00	1.0	NE
3/15/2024 10:27:00	8.9	4.9	-4.0	0.00	0.00	0.00	1.1	NE
3/15/2024 10:28:00	8.9	4.8	-4.1	0.00	0.00	0.00	1.1	E
3/15/2024 10:29:00	9.0	4.6	-4.4	0.00	0.00	0.00	1.1	ENE
3/15/2024 10:30:00	9.0	4.5	-4.4	0.00	0.00	0.00	1.1	E
3/15/2024 10:31:00	9.0	4.5	-4.5	0.00	0.00	0.00	1.1	E
3/15/2024 10:32:00	9.1	4.5	-4.6	0.00	0.00	0.00	1.1	E
3/15/2024 10:33:00	9.1	4.4	-4.7	0.00	0.00	0.00	1.0	E
3/15/2024 10:34:00	9.0	4.6	-4.3	0.00	0.00	0.00	1.0	S
3/15/2024 10:35:00	9.1	4.6	-4.5	0.00	0.00	0.00	1.0	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/15/2024 10:36:00	9.0	4.2	-4.8	0.00	0.00	0.00	1.0	SW
3/15/2024 10:37:00	8.4	4.2	-4.2	0.00	0.00	0.00	1.0	ENE
3/15/2024 10:38:00	7.0	4.1	-2.9	0.00	0.00	0.00	1.1	E
3/15/2024 10:39:00	6.4	4.0	-2.3	0.00	0.00	0.00	1.1	ENE
3/15/2024 10:40:00	6.0	4.2	-1.8	0.00	0.00	0.00	1.0	WSW
3/15/2024 10:41:00	6.0	4.2	-1.8	0.00	0.00	0.00	1.0	E
3/15/2024 10:42:00	6.1	4.2	-1.9	0.00	0.00	0.00	1.0	ENE
3/15/2024 10:43:00	6.2	4.2	-2.0	0.00	0.00	0.00	1.0	ENE
3/15/2024 10:44:00	6.7	4.3	-2.4	0.00	0.00	0.00	1.1	E
3/15/2024 10:45:00	6.9	4.5	-2.4	0.00	0.00	0.00	1.1	E
3/15/2024 10:46:00	7.0	4.6	-2.4	0.00	0.00	0.00	1.1	ENE
3/15/2024 10:47:00	7.0	4.6	-2.4	0.00	0.00	0.00	1.1	ENE
3/15/2024 10:48:00	7.1	4.7	-2.4	0.00	0.00	0.00	1.1	ENE
3/15/2024 10:49:00	7.1	4.7	-2.4	0.00	0.00	0.00	1.2	WSW
3/15/2024 10:50:00	6.9	5.0	-1.9	0.00	0.00	0.00	1.2	W
3/15/2024 10:51:00	6.9	5.0	-1.9	0.00	0.00	0.00	1.1	SW
3/15/2024 10:52:00	6.8	5.2	-1.6	0.00	0.00	0.00	1.1	W
3/15/2024 10:53:00	6.7	5.4	-1.2	0.00	0.00	0.00	1.1	WSW
3/15/2024 10:54:00	6.7	5.5	-1.1	0.00	0.00	0.00	1.1	ESE
3/15/2024 10:55:00	6.8	5.5	-1.3	0.00	0.01	0.00	1.1	WSW
3/15/2024 10:56:00	6.7	5.7	-0.9	0.00	0.01	0.00	1.1	W
3/15/2024 10:57:00	6.4	5.9	-0.5	0.00	0.01	0.01	1.1	W
3/15/2024 10:58:00	6.4	6.0	-0.4	0.00	0.01	0.01	1.1	NNE
3/15/2024 10:59:00	5.9	5.9	0.0	0.00	0.01	0.01	1.1	ESE
3/15/2024 11:00:00	5.8	5.8	0.0	0.00	0.01	0.01	1.0	ENE
3/15/2024 11:01:00	5.7	5.7	-0.1	0.00	0.01	0.01	1.0	ESE
3/15/2024 11:02:00	5.7	5.7	0.0	0.00	0.01	0.01	1.0	ESE
3/15/2024 11:03:00	5.6	5.6	0.0	0.00	0.01	0.01	1.0	NE
3/15/2024 11:04:00	6.0	5.4	-0.6	0.00	0.01	0.01	1.0	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/15/2024 11:05:00	6.4	5.1	-1.3	0.00	0.01	0.01	1.0	ESE
3/15/2024 11:06:00	6.7	4.9	-1.8	0.00	0.01	0.01	1.0	E
3/15/2024 11:07:00	7.0	4.8	-2.2	0.00	0.01	0.00	1.1	E
3/15/2024 11:08:00				0.00	0.00	0.00	1.1	ENE
3/15/2024 11:09:00				0.00	0.00	0.00	1.1	NNE
3/15/2024 11:10:00				0.00	0.00	0.00	1.1	N
3/15/2024 11:11:00				0.00	0.00	0.00	1.1	ENE
3/15/2024 11:12:00	6.6	4.3	-2.4	0.00	0.00	0.00	1.0	E
3/15/2024 11:13:00	6.4	4.2	-2.3	0.00	0.00	0.00	1.1	ENE
3/15/2024 11:14:00	6.5	4.3	-2.2	0.00	0.00	0.00	1.1	N
3/15/2024 11:15:00	6.6	4.3	-2.3	0.00	0.00	0.00	1.0	NNW
3/15/2024 11:16:00	6.6	4.3	-2.3	0.00	0.00	0.00	1.0	ENE
3/15/2024 11:17:00	6.7	4.3	-2.4	0.00	0.00	0.00	1.1	ENE
3/15/2024 11:18:00	6.7	4.2	-2.4	0.00	0.00	0.00	1.1	E
3/15/2024 11:19:00	6.6	4.2	-2.4	0.00	0.00	0.00	1.1	E
3/15/2024 11:20:00	6.6	4.1	-2.5	0.00	0.00	0.00	1.1	E
3/15/2024 11:21:00	6.7	4.1	-2.6	0.00	0.00	0.00	1.1	E
3/15/2024 11:22:00	7.1	4.0	-3.0	0.00	0.00	0.00	1.0	ENE
3/15/2024 11:23:00	7.5	4.0	-3.5	0.00	0.00	0.00	1.0	E
3/15/2024 11:24:00	7.8	4.0	-3.8	0.00	0.00	0.00	1.0	NE
3/15/2024 11:25:00	8.1	4.0	-4.1	0.00	0.00	0.00	1.1	E
3/15/2024 11:26:00	8.1	4.0	-4.1	0.00	0.00	0.00	1.1	E
3/15/2024 11:27:00	8.3	4.0	-4.3	0.00	0.00	0.00	1.1	ESE
3/15/2024 11:28:00	8.3	4.1	-4.2	0.00	0.00	0.00	1.0	E
3/15/2024 11:29:00	8.2	4.2	-4.0	0.00	0.00	0.00	1.0	W
3/15/2024 11:30:00	8.2	4.3	-3.9	0.00	0.00	0.00	1.1	NNW
3/15/2024 11:31:00	8.2	4.5	-3.7	0.00	0.00	0.00	1.1	W
3/15/2024 11:32:00	8.0	4.8	-3.3	0.00	0.00	0.00	1.1	W
3/15/2024 11:33:00	8.0	5.0	-3.0	0.00	0.00	0.00	1.0	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
3/15/2024 11:34:00	7.9	5.2	-2.7	0.00	0.00	0.00	1.0	W
3/15/2024 11:35:00	7.8	5.5	-2.3	0.00	0.00	0.00	1.0	W
3/15/2024 11:36:00	7.6	5.7	-1.9	0.00	0.00	0.00	1.0	W
3/15/2024 11:37:00	7.4	5.8	-1.5	0.00	0.00	0.00	1.0	ENE
3/15/2024 11:38:00	6.8	6.1	-0.7	0.00	0.00	0.00	1.0	W
3/15/2024 11:39:00	6.5	6.4	-0.1	0.00	0.00	0.00	0.9	W
3/15/2024 11:40:00	6.1	6.7	0.7	0.00	0.00	0.00	1.0	NW
3/15/2024 11:41:00	5.9	7.0	1.1	0.00	0.01	0.00	0.9	WNW
3/15/2024 11:42:00	5.7	7.3	1.7	0.00	0.01	0.00	1.0	W
3/15/2024 11:43:00	5.6	7.5	1.9	0.00	0.01	0.00	0.9	WNW
3/15/2024 11:44:00	5.7	7.7	2.0	0.01	0.01	0.01	0.9	W
3/15/2024 11:45:00	5.7	7.9	2.2	0.01	0.01	0.01	0.9	WNW
3/15/2024 11:46:00	5.7	7.8	2.1	0.01	0.01	0.01	0.9	SSW
3/15/2024 11:47:00	5.9	7.5	1.6	0.01	0.01	0.01	0.9	E
3/15/2024 11:48:00	5.7	7.6	1.9	0.01	0.01	0.01	0.9	NW
3/15/2024 11:49:00	5.5	7.6	2.1	0.01	0.01	0.01	0.8	NW
3/15/2024 11:50:00	5.5	7.7	2.2	0.01	0.01	0.01	0.9	W
3/15/2024 11:51:00	5.5	7.7	2.1	0.01	0.01	0.01	0.9	W
3/15/2024 11:52:00	5.3	7.8	2.5	0.01	0.01	0.01	0.9	WNW
3/15/2024 11:53:00	5.4	7.5	2.1	0.01	0.01	0.01	0.9	NE
3/15/2024 11:54:00	5.4	7.1	1.7	0.01	0.01	0.01	0.9	NE
3/15/2024 11:55:00	5.4	6.6	1.3	0.01	0.01	0.00	0.9	E
3/15/2024 11:56:00	5.3	6.2	0.9	0.01	0.01	0.00	0.9	E
3/15/2024 11:57:00	5.3	5.8	0.5	0.01	0.01	0.00	0.9	E
3/15/2024 11:58:00	5.3	5.3	0.1	0.01	0.01	0.00	0.9	E
3/15/2024 11:59:00	5.1	5.1	0.0	0.00	0.00	0.00	1.0	W
3/15/2024 12:00:00	5.1	4.8	-0.3	0.00	0.00	0.00	0.9	E
3/15/2024 12:01:00	5.0	4.5	-0.5	0.00	0.00	0.00	0.9	E
3/15/2024 12:02:00	4.7	4.7	0.0	0.00	0.00	0.00	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
3/15/2024 12:03:00	4.9	4.3	-0.6	0.00	0.00	0.00	0.9	NNW
3/15/2024 12:04:00	4.9	4.1	-0.8	0.00	0.00	0.00	0.9	W
3/15/2024 12:05:00	5.0	3.8	-1.2	0.00	0.00	0.00	0.9	NNW
3/15/2024 12:06:00	4.8	3.7	-1.1	0.00	0.00	0.00	0.9	SSE
3/15/2024 12:07:00	5.0	3.5	-1.6	0.00	0.00	0.00	0.9	E
3/15/2024 12:08:00	5.0	3.5	-1.6	0.00	0.00	0.00	0.9	N
3/15/2024 12:09:00	5.1	3.5	-1.6	0.00	0.00	0.00	1.0	E
3/15/2024 12:10:00	5.1	3.5	-1.6	0.00	0.00	0.00	1.0	E
3/15/2024 12:11:00	5.2	3.5	-1.6	0.00	0.00	0.00	1.0	NE
3/15/2024 12:12:00	5.2	3.5	-1.7	0.00	0.00	0.00	1.1	ENE
3/15/2024 12:13:00	5.2	3.5	-1.7	0.00	0.00	0.00	1.1	ENE
3/15/2024 12:14:00	5.3	3.2	-2.1	0.00	0.00	0.00	1.2	E
3/15/2024 12:15:00	5.1	3.0	-2.1	0.00	0.00	0.00	1.3	E
3/15/2024 12:16:00	5.0	2.9	-2.1	0.00	0.00	0.00	1.4	NE
3/15/2024 12:17:00	5.1	2.6	-2.5	0.00	0.00	0.00	1.4	E
3/15/2024 12:18:00	5.0	2.5	-2.5	0.00	0.00	0.00	1.5	E
3/15/2024 12:19:00	5.1	2.1	-3.0	0.00	0.00	0.00	1.5	E
3/15/2024 12:20:00	5.0	2.0	-3.0	0.00	0.00	0.00	1.6	E
3/15/2024 12:21:00	5.2	1.6	-3.5	0.00	0.00	0.00	1.6	NNW
3/15/2024 12:22:00	4.8	1.8	-3.0	0.00	0.00	0.00	1.6	SSE
3/15/2024 12:23:00	4.7	1.6	-3.1	0.00	0.00	0.00	1.6	ESE
3/15/2024 12:24:00	4.7	1.5	-3.1	0.00	0.00	0.00	1.7	E
3/15/2024 12:25:00	4.6	1.4	-3.1	0.00	0.00	0.00	1.6	NNE
3/15/2024 12:26:00	4.6	1.4	-3.2	0.00	0.00	0.00	1.6	NE
3/15/2024 12:27:00	4.7	1.4	-3.3	0.00	0.00	0.00	1.6	E
3/15/2024 12:28:00	4.7	1.4	-3.3	0.00	0.00	0.00	1.5	NE
3/15/2024 12:29:00	4.8	1.4	-3.3	0.00	0.00	0.00	1.4	ESE
3/15/2024 12:30:00	4.6	1.7	-2.8	0.00	0.00	0.00	1.4	NW
3/15/2024 12:31:00	4.6	1.8	-2.9	0.00	0.00	0.00	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
3/15/2024 12:32:00	4.8	1.8	-3.0	0.00	0.00	0.00	1.4	E
3/15/2024 12:33:00	4.9	1.9	-3.1	0.00	0.00	0.00	1.5	E
3/15/2024 12:34:00	5.0	1.9	-3.1	0.00	0.00	0.00	1.5	ENE
3/15/2024 12:35:00	5.1	1.9	-3.3	0.00	0.00	0.00	1.4	E
3/15/2024 12:36:00	5.2	1.9	-3.3	0.00	0.00	0.00	1.5	NE
3/15/2024 12:37:00	5.3	2.1	-3.2	0.00	0.00	0.00	1.4	S
3/15/2024 12:38:00	5.4	2.1	-3.3	0.00	0.00	0.00	1.4	E
3/15/2024 12:39:00	5.5	2.2	-3.3	0.00	0.00	0.00	1.4	E
3/15/2024 12:40:00	5.6	2.2	-3.5	0.00	0.00	0.00	1.5	E
3/15/2024 12:41:00	5.7	2.1	-3.5	0.00	0.00	0.00	1.5	E
3/15/2024 12:42:00	5.7	2.1	-3.6	0.00	0.00	0.00	1.6	E
3/15/2024 12:43:00	5.7	2.0	-3.7	0.00	0.00	0.00	1.6	ENE
3/15/2024 12:44:00	5.7	2.0	-3.7	0.00	0.00	0.00	1.7	E
3/15/2024 12:45:00	5.9	1.6	-4.3	0.00	0.00	0.00	1.8	ENE
3/15/2024 12:46:00	5.9	1.5	-4.4	0.00	0.00	0.00	1.7	E
3/15/2024 12:47:00	5.6	1.8	-3.8	0.00	0.00	0.00	1.6	SSE
3/15/2024 12:48:00	5.7	2.0	-3.6	0.00	0.00	0.00	1.7	E
3/15/2024 12:49:00	5.7	2.0	-3.7	0.00	0.00	0.00	1.7	E
3/15/2024 12:50:00	5.6	1.9	-3.6	0.00	0.01	0.01	1.7	E
3/15/2024 12:51:00	5.3	2.2	-3.0	0.00	0.01	0.00	1.7	NW
3/15/2024 12:52:00	5.5	1.9	-3.6	0.00	0.01	0.00	1.8	N
3/15/2024 12:53:00	5.5	2.0	-3.5	0.00	0.01	0.01	1.8	ENE
3/15/2024 12:54:00	5.5	2.0	-3.5	0.00	0.01	0.01	1.7	ESE
3/15/2024 12:55:00	5.3	2.1	-3.2	0.00	0.01	0.01	1.7	SE
3/15/2024 12:56:00	5.0	2.5	-2.5	0.00	0.01	0.01	1.7	NW
3/15/2024 12:57:00	4.8	2.9	-1.9	0.00	0.01	0.01	1.8	NW
3/15/2024 12:58:00	4.8	3.1	-1.6	0.00	0.01	0.01	1.7	WNW
3/15/2024 12:59:00	4.7	3.2	-1.5	0.00	0.01	0.01	1.7	ENE
3/15/2024 13:00:00	4.4	3.5	-0.9	0.00	0.01	0.01	1.6	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/15/2024 13:01:00	4.2	3.7	-0.5	0.00	0.01	0.01	1.7	WNW
3/15/2024 13:02:00	4.3	3.6	-0.6	0.00	0.01	0.01	1.8	W
3/15/2024 13:03:00	4.0	3.7	-0.4	0.01	0.01	0.00	1.8	W
3/15/2024 13:04:00	3.9	3.8	-0.1	0.01	0.01	0.00	1.7	NNW
3/15/2024 13:05:00	3.7	4.1	0.4	0.01	0.01	0.00	1.7	WNW
3/15/2024 13:06:00	4.0	4.0	0.0	0.01	0.01	0.00	1.7	E
3/15/2024 13:07:00	4.4	4.3	-0.1	0.01	0.01	0.00	1.6	E
3/15/2024 13:08:00	4.9	5.3	0.4	0.01	0.00	0.00	1.6	E
3/15/2024 13:09:00	4.8	5.5	0.7	0.01	0.00	0.00	1.6	NE
3/15/2024 13:10:00	4.7	5.4	0.7	0.01	0.00	0.00	1.6	NNW
3/15/2024 13:11:00	4.9	5.1	0.2	0.01	0.00	0.00	1.5	NNE
3/15/2024 13:12:00	4.9	4.6	-0.3	0.01	0.00	0.00	1.5	ESE
3/15/2024 13:13:00	4.8	4.4	-0.4	0.01	0.00	0.00	1.5	ESE
3/15/2024 13:14:00	4.5	4.5	0.0	0.01	0.00	0.00	1.4	NW
3/15/2024 13:15:00	4.7	4.6	-0.1	0.00	0.00	0.00	1.4	W
3/15/2024 13:16:00	4.8	4.5	-0.2	0.00	0.00	0.00	1.3	NNE
3/15/2024 13:17:00	4.9	4.4	-0.5	0.00	0.00	0.00	1.2	E
3/15/2024 13:18:00	5.2	4.3	-0.8	0.00	0.00	0.00	1.2	E
3/15/2024 13:19:00	5.5	4.4	-1.1	0.00	0.00	0.00	1.2	NE
3/15/2024 13:20:00	6.5	4.4	-2.0	0.00	0.00	0.00	1.3	NE
3/15/2024 13:21:00	6.8	5.0	-1.8	0.00	0.00	0.00	1.2	SSE
3/15/2024 13:22:00	7.0	5.4	-1.6	0.00	0.00	0.00	1.2	N
3/15/2024 13:23:00	7.0	4.8	-2.2	0.00	0.01	0.01	1.2	E
3/15/2024 13:24:00	6.8	4.9	-1.9	0.00	0.01	0.01	1.2	NW
3/15/2024 13:25:00	6.9	5.5	-1.4	0.00	0.01	0.00	1.2	NW
3/15/2024 13:26:00	7.3	5.7	-1.6	0.00	0.01	0.00	1.1	N
3/15/2024 13:27:00	8.0	6.1	-1.9	0.00	0.01	0.00	1.2	E
3/15/2024 13:28:00	8.8	6.5	-2.3	0.00	0.01	0.00	1.2	ENE
3/15/2024 13:29:00	9.4	6.6	-2.8	0.00	0.01	0.00	1.2	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
3/15/2024 13:30:00	10.1	6.6	-3.5	0.00	0.01	0.00	1.2	NE
3/15/2024 13:31:00	10.7	6.8	-3.9	0.00	0.01	0.00	1.2	ENE
3/15/2024 13:32:00	10.9	7.0	-4.0	0.00	0.01	0.00	1.3	ENE
3/15/2024 13:33:00	11.0	7.3	-3.7	0.00	0.01	0.00	1.2	NE
3/15/2024 13:34:00	10.6	7.4	-3.2	0.01	0.01	0.00	1.2	WNW
3/15/2024 13:35:00	9.8	7.1	-2.6	0.01	0.01	0.00	1.1	N
3/15/2024 13:36:00	9.6	6.7	-2.9	0.00	0.01	0.00	1.2	W
3/15/2024 13:37:00	9.1	6.8	-2.3	0.00	0.01	0.00	1.3	N
3/15/2024 13:38:00	8.8	6.7	-2.1	0.00	0.01	0.01	1.2	E
3/15/2024 13:39:00	8.9	6.3	-2.6	0.00	0.01	0.01	1.3	NNE
3/15/2024 13:40:00	9.1	5.7	-3.4	0.00	0.02	0.02	1.2	ENE
3/15/2024 13:41:00	9.2	5.6	-3.6	0.00	0.02	0.02	1.3	E
3/15/2024 13:42:00	9.1	5.5	-3.6	0.00	0.02	0.02	1.2	N
3/15/2024 13:43:00	8.5	5.2	-3.3	0.00	0.02	0.02	1.3	E
3/15/2024 13:44:00	8.6	5.0	-3.6	0.00	0.02	0.02	1.2	ENE
3/15/2024 13:45:00	8.5	5.9	-2.6	0.00	0.03	0.03	1.2	NE
3/15/2024 13:46:00	8.4	6.0	-2.4	0.00	0.03	0.02	1.2	NW
3/15/2024 13:47:00	8.3	6.5	-1.8	0.00	0.03	0.02	1.2	E
3/15/2024 13:48:00	8.3	6.2	-2.2	0.00	0.02	0.02	1.3	ENE
3/15/2024 13:49:00	8.6	5.9	-2.7	0.00	0.02	0.02	1.3	NNW
3/15/2024 13:50:00	8.7	5.8	-3.0	0.00	0.02	0.02	1.3	N
3/15/2024 13:51:00	8.3	5.8	-2.5	0.00	0.02	0.02	1.2	SSE
3/15/2024 13:52:00	8.2	5.2	-3.0	0.00	0.03	0.03	1.3	E
3/15/2024 13:53:00	8.1	5.2	-2.9	0.01	0.02	0.02	1.3	WNW
3/15/2024 13:54:00	8.1	5.4	-2.7	0.01	0.02	0.01	1.3	ESE
3/15/2024 13:55:00	7.9	5.4	-2.5	0.01	0.02	0.01	1.3	NE
3/15/2024 13:56:00	7.3	5.5	-1.9	0.01	0.02	0.01	1.3	NE
3/15/2024 13:57:00	6.8	5.2	-1.6	0.01	0.02	0.01	1.4	ENE
3/15/2024 13:58:00	6.3	5.3	-1.0	0.01	0.01	0.01	1.3	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
3/15/2024 13:59:00	6.0	5.7	-0.3	0.01	0.01	0.01	1.4	NW
3/15/2024 14:00:00	5.5	4.6	-0.9	0.01	0.01	0.00	1.4	ESE
3/15/2024 14:01:00	5.0	4.5	-0.5	0.01	0.01	0.01	1.4	SW
3/15/2024 14:02:00	4.9	4.0	-0.9	0.01	0.01	0.01	1.4	ESE
3/15/2024 14:03:00	4.8	4.3	-0.5	0.01	0.01	0.01	1.4	W
3/15/2024 14:04:00	4.6	4.8	0.1	0.01	0.01	0.00	1.4	W
3/15/2024 14:05:00	4.4	5.2	0.7	0.01	0.01	0.00	1.4	W
3/15/2024 14:06:00	4.6	5.0	0.4	0.01	0.01	0.00	1.4	NNE
3/15/2024 14:07:00	4.5	4.9	0.4	0.01	0.01	0.00	1.4	NW
3/15/2024 14:08:00	4.3	4.7	0.4	0.01	0.01	0.00	1.3	NW
3/15/2024 14:09:00	4.2	4.6	0.4	0.01	0.01	0.00	1.3	NNE
3/15/2024 14:10:00	4.0	4.9	0.9	0.01	0.01	0.00	1.3	W
3/15/2024 14:11:00	4.2	4.9	0.7	0.01	0.00	0.00	1.3	NW
3/15/2024 14:12:00	4.3	5.1	0.9	0.01	0.00	-0.01	1.3	W
3/15/2024 14:13:00	4.5	5.1	0.7	0.01	0.01	0.00	1.3	E
3/15/2024 14:14:00	4.5	5.0	0.5	0.01	0.01	0.00	1.2	ENE
3/15/2024 14:15:00	4.7	5.3	0.6	0.01	0.01	-0.01	1.3	W
3/15/2024 14:16:00	4.8	5.2	0.4	0.02	0.01	-0.01	1.3	WNW
3/15/2024 14:17:00	4.6	5.0	0.4	0.02	0.01	-0.01	1.3	NNE
3/15/2024 14:18:00	4.6	4.5	-0.1	0.02	0.02	0.00	1.3	NE
3/15/2024 14:19:00	4.6	4.0	-0.6	0.02	0.02	0.00	1.3	ENE
3/15/2024 14:20:00	4.7	3.5	-1.2	0.02	0.02	0.00	1.3	ENE
3/15/2024 14:21:00	4.7	3.3	-1.3	0.02	0.02	0.00	1.3	ENE
3/15/2024 14:22:00	4.7	3.1	-1.6	0.02	0.02	0.00	1.4	ENE
3/15/2024 14:23:00	4.8	2.9	-2.0	0.02	0.02	0.00	1.3	E
3/15/2024 14:24:00	4.7	2.6	-2.1	0.02	0.02	0.00	1.3	ESE
3/15/2024 14:25:00	4.9	2.4	-2.5	0.02	0.02	0.00	1.4	E
3/15/2024 14:26:00	4.9	2.1	-2.8	0.01	0.02	0.00	1.4	ENE
3/15/2024 14:27:00	4.6	2.2	-2.4	0.01	0.02	0.01	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
3/15/2024 14:28:00	4.6	1.9	-2.7	0.01	0.02	0.00	1.5	E
3/15/2024 14:29:00	4.7	1.4	-3.3	0.01	0.01	0.00	1.5	NE
3/15/2024 14:30:00	4.2	1.5	-2.6	0.01	0.01	0.01	1.4	WNW
3/15/2024 14:31:00	4.3	1.3	-3.0	0.00	0.01	0.01	1.4	ENE
3/15/2024 14:32:00	4.5	1.3	-3.2	0.00	0.01	0.01	1.4	E
3/15/2024 14:33:00	5.0	1.5	-3.5	0.00	0.00	0.00	1.3	ESE
3/15/2024 14:34:00	9.6	1.8	-7.8	0.00	0.00	0.00	1.3	NNE
3/15/2024 14:35:00	11.4	2.0	-9.3	0.00	0.00	0.00	1.3	NNW
3/15/2024 14:36:00	12.0	2.2	-9.8	0.00	0.00	0.00	1.3	ESE
3/15/2024 14:37:00	12.3	2.3	-10.0	0.00	0.00	0.00	1.3	E
3/15/2024 14:38:00	12.6	2.4	-10.2	0.00	0.00	0.00	1.3	NE
3/15/2024 14:39:00	13.0	2.5	-10.4	0.00	0.00	0.00	1.3	NE
3/15/2024 14:40:00	13.3	2.8	-10.5	0.00	0.00	0.00	1.2	ENE
3/15/2024 14:41:00	13.3	3.4	-9.9	0.00	0.00	0.00	1.2	ENE
3/15/2024 14:42:00	13.6	3.5	-10.1	0.00	0.00	0.00	1.2	NW
3/15/2024 14:43:00	13.7	3.6	-10.1	0.00	0.00	0.00	1.1	NNE
3/15/2024 14:44:00	13.3	3.9	-9.4	0.00	0.00	0.00	1.1	NW
3/15/2024 14:45:00	13.7	3.6	-10.1	0.00	0.00	0.00	1.1	N
3/15/2024 14:46:00	13.8	3.9	-9.8	0.00	0.00	0.00	1.0	WNW
3/15/2024 14:47:00	13.7	4.2	-9.5	0.00	0.00	0.00	1.1	W
3/15/2024 14:48:00	13.1	4.3	-8.7	0.01	0.00	-0.01	1.1	WNW
3/15/2024 14:49:00	8.4	4.7	-3.7	0.01	0.01	0.00	1.2	N
3/15/2024 14:50:00	6.7	4.8	-1.9	0.01	0.01	0.01	1.2	ENE
3/15/2024 14:51:00	6.0	4.6	-1.4	0.01	0.02	0.01	1.2	ESE
3/15/2024 14:52:00	5.7	4.5	-1.3	0.01	0.02	0.01	1.2	E
3/15/2024 14:53:00	5.2	4.7	-0.5	0.01	0.02	0.01	1.2	WNW
3/15/2024 14:54:00	4.8	4.5	-0.3	0.01	0.02	0.01	1.3	E
3/15/2024 14:55:00	4.6	4.1	-0.5	0.01	0.02	0.01	1.4	ENE
3/15/2024 14:56:00	4.5	3.5	-1.0	0.01	0.02	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
3/15/2024 14:57:00	4.2	3.3	-0.8	0.01	0.02	0.01	1.4	WSW
3/15/2024 14:58:00	4.1	3.2	-0.8	0.01	0.02	0.01	1.5	NNE
3/15/2024 14:59:00	4.2	2.9	-1.4	0.01	0.02	0.01	1.5	ENE
3/15/2024 15:00:00	4.1	2.7	-1.4	0.01	0.02	0.01	1.6	ENE
3/15/2024 15:01:00	3.9	2.4	-1.5	0.01	0.02	0.02	1.7	ENE
3/15/2024 15:02:00	3.7	2.0	-1.8	0.00	0.02	0.02	1.6	ENE
3/15/2024 15:03:00	3.9	1.6	-2.3	0.00	0.02	0.02	1.7	ESE
3/15/2024 15:04:00	3.9	1.0	-2.9	0.00	0.01	0.01	1.7	ENE
3/15/2024 15:05:00	3.9	0.7	-3.3	0.00	0.01	0.01	1.7	ENE
3/15/2024 15:06:00				0.01	0.00	-0.01	1.8	ESE
3/15/2024 15:07:00				0.01	0.01	0.00	1.7	W
3/15/2024 15:08:00				0.01	0.01	0.00	1.7	N
3/15/2024 15:09:00				0.01	0.01	0.00	1.7	E
3/15/2024 15:10:00	4.5	0.9	-3.5	0.01	0.01	0.00	1.7	E
3/15/2024 15:11:00	7.0	1.8	-5.2	0.01	0.01	0.00	1.7	ENE
3/15/2024 15:12:00	8.3	2.4	-5.9	0.01	0.01	0.00	1.7	E
3/15/2024 15:13:00	7.9	2.7	-5.2	0.01	0.01	0.00	1.7	E
3/15/2024 15:14:00	7.6	2.7	-4.9	0.01	0.01	0.00	1.7	ENE
3/15/2024 15:15:00	7.7	3.0	-4.6	0.01	0.01	0.00	1.7	NE
3/15/2024 15:16:00	8.1	3.4	-4.8	0.01	0.01	0.00	1.7	E
3/15/2024 15:17:00	8.5	3.7	-4.8	0.01	0.01	0.00	1.7	NE
3/15/2024 15:18:00	8.3	4.6	-3.7	0.01	0.01	0.00	1.6	SW
3/15/2024 15:19:00	8.4	4.5	-3.8	0.01	0.01	0.00	1.6	ENE
3/15/2024 15:20:00	8.6	4.6	-4.0	0.01	0.01	0.00	1.5	ESE
3/15/2024 15:21:00	8.8	4.5	-4.3	0.00	0.01	0.01	1.5	E
3/15/2024 15:22:00	8.9	4.4	-4.5	0.00	0.00	0.00	1.6	E
3/15/2024 15:23:00	8.8	4.3	-4.4	0.00	0.00	0.00	1.5	NNE
3/15/2024 15:24:00	8.6	4.2	-4.4	0.00	0.00	0.00	1.6	E
3/15/2024 15:25:00							1.6	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
3/15/2024 15:26:00							1.6	E