

**DAILY FIELD REPORT 203**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	March 6, 2024
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	6:45 am to 3:30 pm
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<b>Consultant:</b> Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	<b>Langan Field Personnel:</b> Caitlyn Dempsey (Environmental) Carli Piretra (Environmental)
<b>Construction Manager:</b> Consigli Construction Co., Inc. (Consigli)	
<b>Foundation Contractor:</b> Urban Foundation/Engineering (Urban)	

**Work Activities Performed:**

- Urban excavated an about 14-foot-long by 25-foot-wide area to depths ranging from about 10 to 15 feet below grade surface in grids WC04\_0-5, WC04\_5-10, WC04\_10-15, WC05\_0-5, WC05\_5-10, and WC05\_10-15 as part of the remedial excavation of the former underground storage tank (UST) and to install timber lagging for the installation of a structural element. Excavated material consisted of non-native soil; residual/weathered petroleum impacts, including odors, staining, and elevated photoionization detector (PID) readings up to 160 parts per million (ppm) were observed. Excavated non-native soil was stockpiled adjacent to the excavation area on top of and covered with polyethylene sheeting, pending off-site disposal.
- Urban used an excavator to remove concrete in the southern part of WC05. Concrete and demolition (C&D) debris was stockpiled in the southern part of grid WC04.
- Urban graded an about 15-foot-long by 5-foot-wide area in the central part of grid WC05 for equipment mobilization.
- Urban backfilled an about 10-foot-long by 10-foot-wide area in the western part of grid WC04 with imported pipe sand to facilitate the installation of timber lagging.

**Material Tracking:**

- The following soil/fill was exported from the site:
  - 3 loads of soil/fill from waste characterization grids WC05\_0-5 and WC05\_5-10, WC04\_0-5, WC04\_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:
  - 1 load of pipe sand from North American Aggregate Mining Operations located in Perth Amboy, NJ was imported to the site.

Materials Export Summary								
<b>Facility Name</b>	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
<b>Location</b>	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
<b>Type of Waste</b>	<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>C&amp;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	294	5,880	0	-	15	300

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

Materials Import Summary								
<b>Facility Name</b>	<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>	
<b>Location</b>	<i>Staten Island, NY</i>		<i>Brooklyn, NY</i>		<i>Staten Island, NY</i>		<i>Perth Amboy, NJ</i>	
<b>Type of Material</b>	<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	-	1	25
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	3	75
Approved Quantity	-	500	-	500	-	200	-	300

**Samples Collected:**

- Langan collected two confirmation endpoint samples (Sample IDs UST\_RE\_EPB16\_eI\_N4 and UST\_RE\_EPS01\_eI\_N2) from the base and 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 hex chromium), and total cyanide.

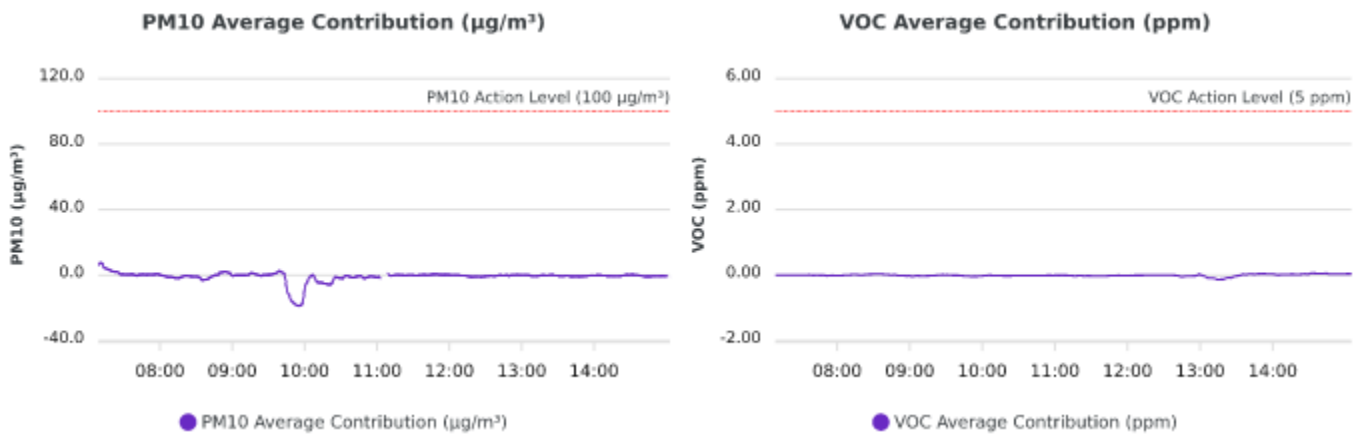
**Air Monitoring:**

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/m<sup>3</sup> for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 100 µg/m<sup>3</sup> or 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m <sup>3</sup> )		Organic Vapor Monitoring (ppm)	
Daily Background	59.0	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-18.7	VOC Average Site Contribution (Minimum)	-0.14
PM10 Average Site Contribution (Maximum)	7.6	VOC Average Site Contribution (Maximum)	0.06

µg/m<sup>3</sup>: micrograms per cubic meter.

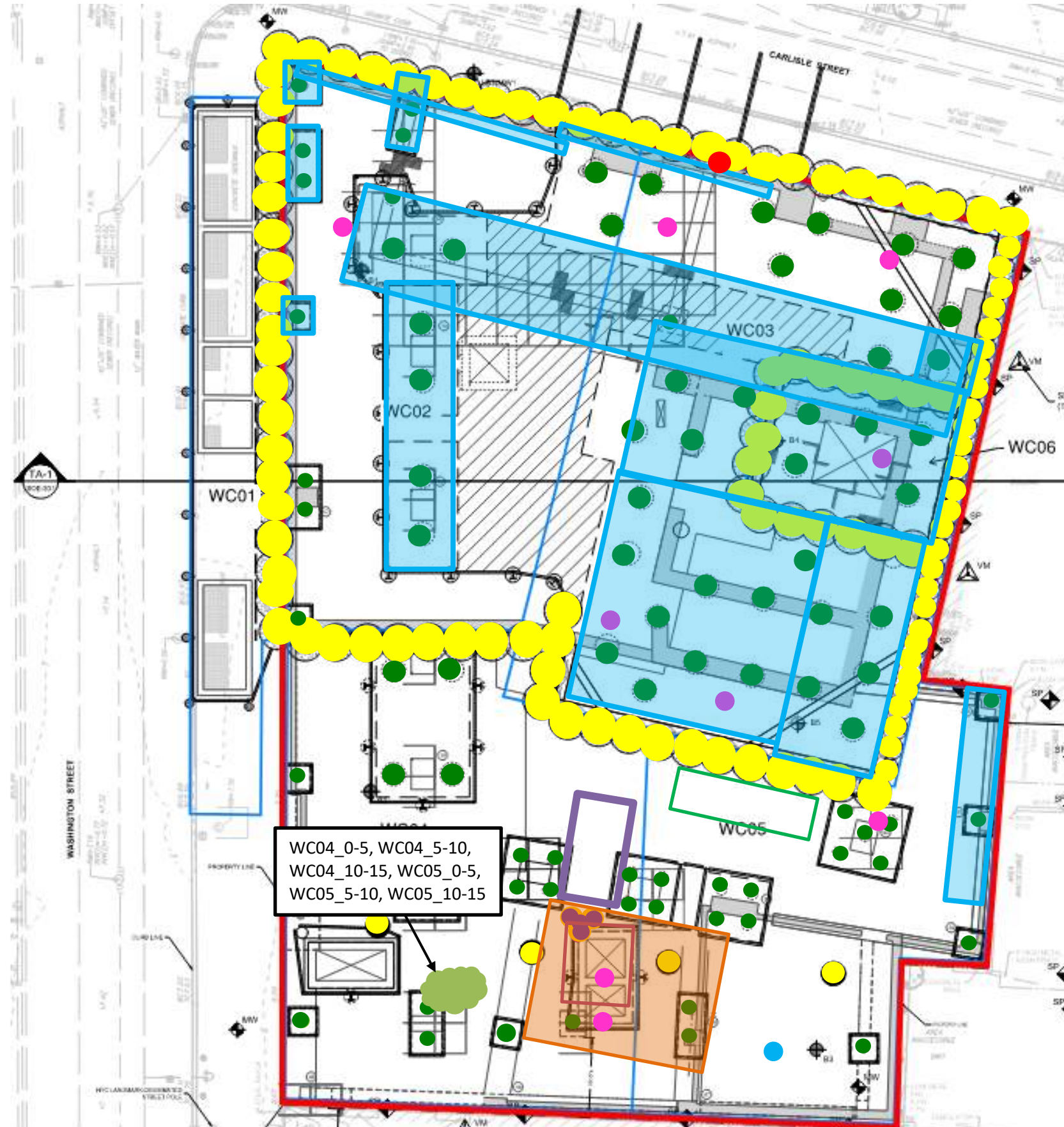
ppm: parts per million.



**Planned Activities:**

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







**SITE PLAN**

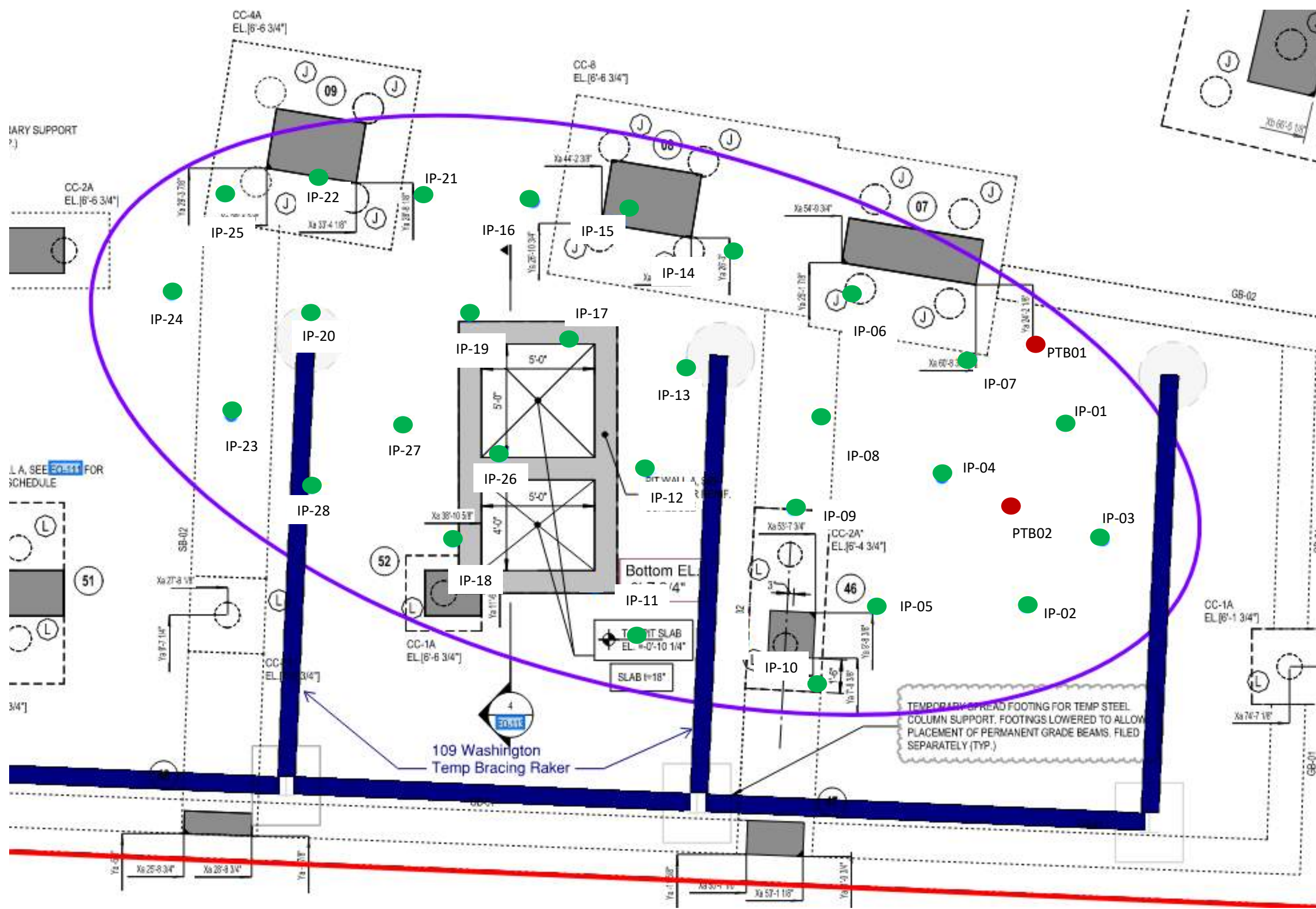


- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile – Soil (no impacts)**
- **Stockpile – C&D**
- **Stockpile – Timber Piles**
- Approximate Location of Excavation**
- Approximate Area of Grading**
- Approximate Backfill Location**
- **Completed 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 with soil/fill for off-site disposal (facing east).



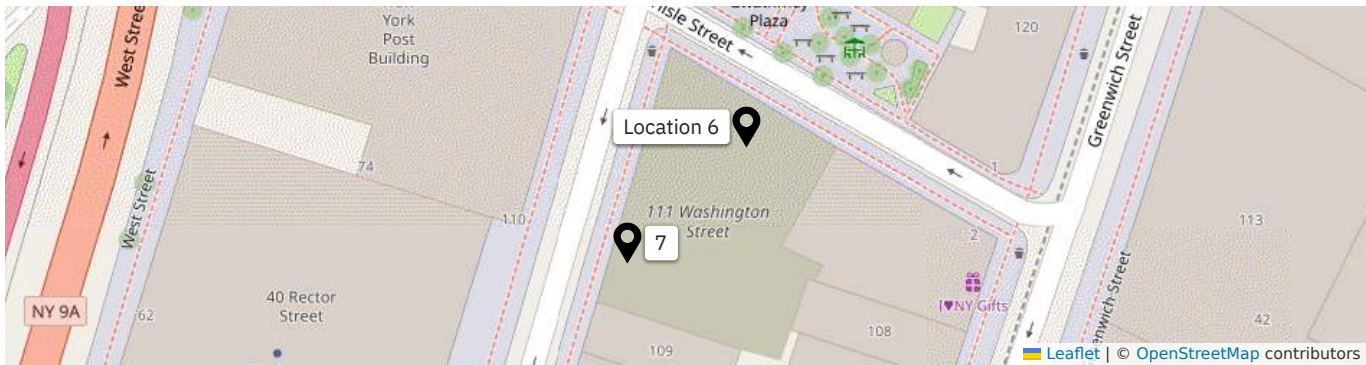
**Photo 2:** Urban excavating non-native soil with residual/ weathered petroleum impacts observed in grids WC04/WC05 (facing east).



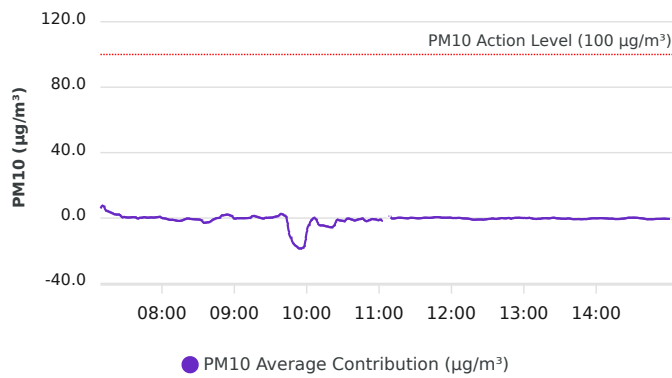
<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	3/6/2024 06:00
		<b>To:</b>	3/6/2024 19:00
		<b>PM10 Action Level:</b>	100.0 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5.00 ppm		

<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
3/6/2024	0.2-3.3	WNW

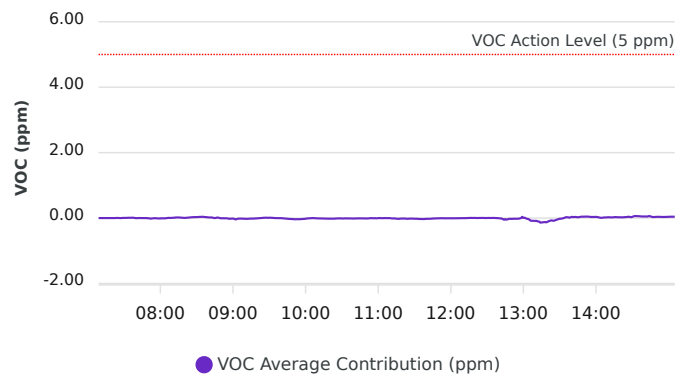
<b>Daily Monitoring Summary</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Time</b>	<b>VOC (ppm)</b>	<b>Time</b>
Min Contribution (15 min avg.) - 3/6/2024	-18.7	09:55	-0.14	13:14
Max Contribution (15 min avg.) - 3/6/2024	7.6	07:10	0.06	14:44



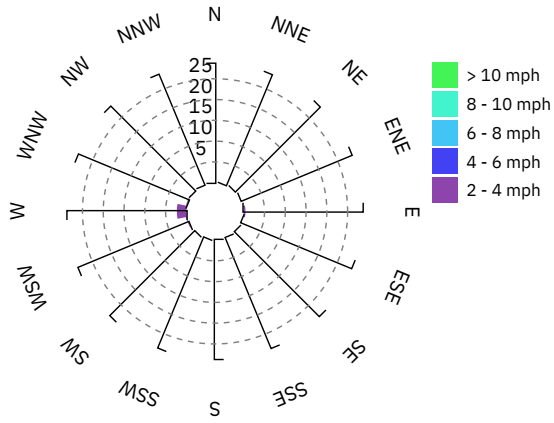
**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**



**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
3/6/2024 07:08:00							0.9	E
3/6/2024 07:09:00	59.0	64.9	6.0	0.00	0.00	0.00	1.1	ESE
3/6/2024 07:10:00	53.7	61.3	7.6	0.00	0.00	0.00	1.0	NNW
3/6/2024 07:11:00	50.2	57.5	7.3	0.00	0.00	0.00	1.0	N
3/6/2024 07:12:00	47.8	54.7	6.9	0.00	0.00	0.00	1.0	NNE
3/6/2024 07:13:00	46.7	51.3	4.5	0.00	0.00	0.00	1.0	WNW
3/6/2024 07:14:00	45.0	49.4	4.4	0.00	0.00	0.00	1.0	ESE
3/6/2024 07:15:00	43.5	47.6	4.1	0.00	0.00	0.00	1.1	E
3/6/2024 07:16:00	42.2	46.0	3.8	0.00	0.00	0.00	1.1	NW
3/6/2024 07:17:00	41.2	44.6	3.5	0.00	0.00	0.00	1.0	N
3/6/2024 07:18:00	40.3	43.4	3.1	0.00	0.00	0.00	1.0	WNW
3/6/2024 07:19:00	39.5	42.2	2.8	0.00	0.00	0.00	1.0	W
3/6/2024 07:20:00	38.8	41.2	2.4	0.00	0.00	0.00	1.0	W
3/6/2024 07:21:00	38.3	40.5	2.3	0.00	0.00	0.00	1.0	ENE
3/6/2024 07:22:00	37.7	39.8	2.1	0.00	0.00	0.00	1.0	E
3/6/2024 07:23:00	37.1	39.3	2.1	0.00	0.00	0.00	1.0	E
3/6/2024 07:24:00	35.1	37.3	2.2	0.00	0.01	0.00	1.0	E
3/6/2024 07:25:00	33.7	35.5	1.8	0.00	0.01	0.00	1.0	NE
3/6/2024 07:26:00	33.1	34.0	0.9	0.01	0.01	0.00	1.0	W
3/6/2024 07:27:00	32.3	32.6	0.3	0.01	0.01	0.00	1.0	SSW
3/6/2024 07:28:00	31.3	32.0	0.7	0.01	0.01	0.00	0.9	N
3/6/2024 07:29:00	30.6	31.2	0.5	0.01	0.01	0.00	0.9	NNW
3/6/2024 07:30:00	30.0	30.4	0.4	0.01	0.01	0.01	0.8	N
3/6/2024 07:31:00	29.5	29.8	0.3	0.01	0.01	0.00	0.8	NW
3/6/2024 07:32:00	28.9	29.2	0.3	0.01	0.01	0.01	0.8	NNE
3/6/2024 07:33:00	28.3	28.7	0.4	0.01	0.02	0.01	0.8	E
3/6/2024 07:34:00	27.8	28.2	0.4	0.01	0.02	0.01	0.7	SE
3/6/2024 07:35:00	27.2	27.8	0.5	0.01	0.02	0.01	0.7	WSW
3/6/2024 07:36:00	26.7	27.2	0.5	0.01	0.02	0.01	0.7	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
3/6/2024 07:37:00	26.1	26.7	0.6	0.01	0.02	0.01	0.7	E
3/6/2024 07:38:00	25.6	26.0	0.4	0.01	0.02	0.01	0.6	S
3/6/2024 07:39:00	25.3	25.2	-0.1	0.01	0.02	0.00	0.6	W
3/6/2024 07:40:00	24.9	24.6	-0.3	0.02	0.02	0.00	0.6	W
3/6/2024 07:41:00	24.0	24.1	0.1	0.02	0.02	0.00	0.5	SSE
3/6/2024 07:42:00	23.6	23.8	0.3	0.02	0.02	0.00	0.5	NE
3/6/2024 07:43:00	23.3	23.4	0.1	0.02	0.02	0.00	0.5	ENE
3/6/2024 07:44:00	22.9	23.3	0.4	0.02	0.02	0.00	0.5	SE
3/6/2024 07:45:00	22.6	23.2	0.6	0.02	0.02	0.00	0.5	ESE
3/6/2024 07:46:00	22.6	23.0	0.4	0.02	0.02	0.00	0.4	W
3/6/2024 07:47:00	22.5	22.8	0.3	0.02	0.02	0.00	0.4	ENE
3/6/2024 07:48:00	22.4	22.6	0.2	0.02	0.02	0.00	0.5	E
3/6/2024 07:49:00	22.2	22.5	0.3	0.02	0.02	0.00	0.5	W
3/6/2024 07:50:00	22.1	22.5	0.4	0.03	0.02	-0.01	0.5	WNW
3/6/2024 07:51:00	22.0	22.3	0.4	0.03	0.02	-0.01	0.5	W
3/6/2024 07:52:00	21.9	22.3	0.4	0.03	0.01	-0.02	0.5	NW
3/6/2024 07:53:00	22.0	22.3	0.2	0.03	0.02	-0.01	0.5	NNE
3/6/2024 07:54:00	21.9	22.3	0.4	0.03	0.02	-0.01	0.5	W
3/6/2024 07:55:00	21.8	22.3	0.5	0.03	0.02	-0.01	0.5	NW
3/6/2024 07:56:00	21.9	22.4	0.6	0.02	0.02	0.00	0.5	W
3/6/2024 07:57:00	21.9	22.6	0.7	0.02	0.01	-0.01	0.6	NW
3/6/2024 07:58:00	21.9	22.7	0.8	0.03	0.01	-0.01	0.6	WNW
3/6/2024 07:59:00	22.0	22.3	0.3	0.03	0.01	-0.01	0.6	NE
3/6/2024 08:00:00	22.1	22.0	-0.1	0.03	0.01	-0.01	0.6	NE
3/6/2024 08:01:00	22.1	22.0	-0.1	0.02	0.01	-0.01	0.6	E
3/6/2024 08:02:00	22.3	22.0	-0.3	0.02	0.01	-0.01	0.7	ESE
3/6/2024 08:03:00	22.4	22.1	-0.4	0.02	0.01	-0.01	0.7	ESE
3/6/2024 08:04:00	22.7	22.1	-0.6	0.02	0.01	-0.01	0.7	E
3/6/2024 08:05:00	22.9	22.0	-0.9	0.02	0.01	0.00	0.8	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
3/6/2024 08:06:00	23.0	22.0	-1.1	0.01	0.01	0.00	0.8	ENE
3/6/2024 08:07:00	23.1	21.9	-1.2	0.01	0.02	0.01	0.8	NNW
3/6/2024 08:08:00	23.1	22.1	-1.0	0.01	0.01	0.00	0.8	WNW
3/6/2024 08:09:00	23.2	22.1	-1.2	0.01	0.01	0.01	0.8	E
3/6/2024 08:10:00	23.3	22.1	-1.3	0.01	0.01	0.01	0.8	NNE
3/6/2024 08:11:00	23.4	22.0	-1.4	0.01	0.02	0.01	0.9	ENE
3/6/2024 08:12:00	23.5	21.9	-1.6	0.01	0.02	0.01	0.9	ENE
3/6/2024 08:13:00	23.5	21.8	-1.8	0.00	0.02	0.02	1.0	ENE
3/6/2024 08:14:00	23.5	21.7	-1.8	0.00	0.02	0.02	1.0	NNW
3/6/2024 08:15:00	23.4	21.8	-1.7	0.00	0.02	0.02	1.0	ENE
3/6/2024 08:16:00	23.3	21.7	-1.6	0.00	0.02	0.02	1.0	ENE
3/6/2024 08:17:00	23.1	21.8	-1.2	0.00	0.02	0.01	1.0	W
3/6/2024 08:18:00	22.9	21.9	-0.9	0.01	0.02	0.01	1.0	WNW
3/6/2024 08:19:00	22.7	22.0	-0.7	0.01	0.01	0.01	1.0	W
3/6/2024 08:20:00	22.5	22.1	-0.3	0.01	0.01	0.01	1.0	W
3/6/2024 08:21:00	22.3	22.1	-0.3	0.01	0.02	0.01	0.9	NE
3/6/2024 08:22:00	22.3	22.0	-0.3	0.01	0.02	0.01	0.9	NNE
3/6/2024 08:23:00	22.3	21.7	-0.6	0.01	0.02	0.01	0.9	NNE
3/6/2024 08:24:00	22.2	21.6	-0.6	0.01	0.03	0.02	0.9	NE
3/6/2024 08:25:00	22.1	21.5	-0.7	0.01	0.03	0.02	1.0	NNE
3/6/2024 08:26:00	22.1	21.3	-0.7	0.01	0.03	0.03	0.9	NNE
3/6/2024 08:27:00	22.0	21.3	-0.8	0.01	0.04	0.03	0.9	ESE
3/6/2024 08:28:00	22.0	21.2	-0.8	0.01	0.04	0.03	0.8	E
3/6/2024 08:29:00	22.0	21.1	-0.8	0.01	0.04	0.03	0.9	NE
3/6/2024 08:30:00	21.9	21.0	-0.9	0.01	0.04	0.03	0.9	E
3/6/2024 08:31:00	21.9	21.0	-0.9	0.01	0.04	0.03	0.9	ENE
3/6/2024 08:32:00	22.1	20.8	-1.3	0.01	0.04	0.04	0.9	SE
3/6/2024 08:33:00	22.2	20.7	-1.5	0.00	0.04	0.04	0.9	WSW
3/6/2024 08:34:00	23.6	20.7	-2.9	0.00	0.04	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
3/6/2024 08:35:00	23.7	20.9	-2.8	0.00	0.04	0.04	0.9	ESE
3/6/2024 08:36:00	23.9	21.1	-2.9	0.00	0.04	0.04	0.8	W
3/6/2024 08:37:00	23.8	21.2	-2.6	0.01	0.04	0.03	0.8	WNW
3/6/2024 08:38:00	23.9	21.2	-2.6	0.01	0.03	0.03	0.8	NNW
3/6/2024 08:39:00	23.8	21.4	-2.5	0.01	0.03	0.02	0.7	NW
3/6/2024 08:40:00	23.9	21.8	-2.0	0.01	0.03	0.02	0.7	N
3/6/2024 08:41:00	23.9	22.5	-1.5	0.01	0.03	0.02	0.7	N
3/6/2024 08:42:00	23.9	23.0	-1.0	0.01	0.03	0.02	0.6	ENE
3/6/2024 08:43:00	23.9	23.2	-0.7	0.01	0.03	0.01	0.6	WNW
3/6/2024 08:44:00	23.7	23.4	-0.3	0.02	0.02	0.01	0.6	SSW
3/6/2024 08:45:00	23.6	23.6	0.0	0.02	0.02	0.00	0.5	W
3/6/2024 08:46:00	23.5	23.6	0.0	0.02	0.03	0.01	0.5	ENE
3/6/2024 08:47:00	23.4	23.5	0.1	0.02	0.04	0.02	0.5	SE
3/6/2024 08:48:00	23.1	23.4	0.3	0.03	0.04	0.01	0.5	WNW
3/6/2024 08:49:00	21.6	23.3	1.7	0.04	0.04	0.00	0.4	WSW
3/6/2024 08:50:00	21.4	22.9	1.5	0.05	0.04	-0.01	0.5	W
3/6/2024 08:51:00	20.9	22.8	1.8	0.05	0.05	-0.01	0.5	W
3/6/2024 08:52:00	20.8	22.6	1.9	0.05	0.05	-0.01	0.6	WNW
3/6/2024 08:53:00	20.5	22.6	2.1	0.06	0.05	-0.01	0.7	W
3/6/2024 08:54:00	20.3	22.4	2.2	0.06	0.05	-0.01	0.7	W
3/6/2024 08:55:00	19.9	21.9	2.0	0.06	0.05	-0.01	0.8	W
3/6/2024 08:56:00	19.5	21.2	1.6	0.06	0.04	-0.01	0.8	SSW
3/6/2024 08:57:00	19.2	20.5	1.4	0.06	0.04	-0.02	0.9	WSW
3/6/2024 08:58:00	18.9	20.1	1.2	0.06	0.04	-0.02	1.0	W
3/6/2024 08:59:00	19.9	19.8	-0.1	0.06	0.04	-0.02	1.1	W
3/6/2024 09:00:00	19.9	19.5	-0.5	0.05	0.04	-0.01	1.2	W
3/6/2024 09:01:00	19.6	19.3	-0.3	0.06	0.03	-0.03	1.2	W
3/6/2024 09:02:00	19.2	19.2	-0.1	0.06	0.02	-0.04	1.2	W
3/6/2024 09:03:00	18.9	18.8	-0.1	0.05	0.01	-0.03	1.3	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
3/6/2024 09:04:00	18.6	18.5	-0.1	0.04	0.01	-0.02	1.3	SW
3/6/2024 09:05:00	18.3	18.2	-0.1	0.03	0.01	-0.02	1.2	WSW
3/6/2024 09:06:00	18.0	17.9	-0.1	0.03	0.01	-0.02	1.3	WSW
3/6/2024 09:07:00	17.7	17.6	-0.1	0.02	0.01	-0.02	1.2	WSW
3/6/2024 09:08:00	17.4	17.3	-0.1	0.03	0.01	-0.02	1.2	WSW
3/6/2024 09:09:00	17.1	17.1	-0.1	0.03	0.00	-0.02	1.1	WSW
3/6/2024 09:10:00	16.9	16.9	0.0	0.03	0.00	-0.02	1.1	SW
3/6/2024 09:11:00	16.7	16.7	0.0	0.03	0.00	-0.02	1.0	W
3/6/2024 09:12:00	16.4	16.5	0.1	0.03	0.00	-0.03	1.0	WNW
3/6/2024 09:13:00	16.3	16.2	0.0	0.02	0.00	-0.02	0.9	ENE
3/6/2024 09:14:00	15.1	16.0	0.9	0.02	0.00	-0.02	0.8	ESE
3/6/2024 09:15:00	14.6	15.9	1.3	0.02	0.00	-0.02	0.7	W
3/6/2024 09:16:00	14.4	15.8	1.4	0.02	0.00	-0.02	0.6	W
3/6/2024 09:17:00	14.5	15.5	1.1	0.02	0.01	-0.01	0.6	ENE
3/6/2024 09:18:00	14.6	15.4	0.9	0.02	0.01	-0.01	0.6	SE
3/6/2024 09:19:00	14.8	15.4	0.6	0.02	0.01	-0.01	0.6	ENE
3/6/2024 09:20:00	14.9	15.3	0.4	0.02	0.01	-0.01	0.6	ENE
3/6/2024 09:21:00	15.2	15.3	0.1	0.02	0.01	-0.01	0.6	N
3/6/2024 09:22:00	15.4	15.4	-0.1	0.02	0.01	0.00	0.6	SE
3/6/2024 09:23:00	15.6	15.4	-0.2	0.01	0.01	0.00	0.6	ENE
3/6/2024 09:24:00	15.8	15.5	-0.4	0.01	0.01	0.00	0.5	ESE
3/6/2024 09:25:00	16.2	16.2	0.1	0.01	0.01	0.01	0.6	NNE
3/6/2024 09:26:00	16.5	16.8	0.3	0.01	0.02	0.01	0.6	E
3/6/2024 09:27:00	16.9	17.0	0.1	0.00	0.02	0.01	0.6	E
3/6/2024 09:28:00	17.3	17.4	0.2	0.00	0.01	0.01	0.7	ESE
3/6/2024 09:29:00	17.5	17.8	0.3	0.00	0.01	0.01	0.7	ESE
3/6/2024 09:30:00	17.8	18.0	0.2	0.00	0.01	0.01	0.7	W
3/6/2024 09:31:00	18.1	18.4	0.3	0.00	0.01	0.01	0.7	SW
3/6/2024 09:32:00	18.3	18.8	0.5	0.00	0.01	0.01	0.8	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
3/6/2024 09:33:00	18.6	19.3	0.7	0.00	0.01	0.01	0.7	WSW
3/6/2024 09:34:00	18.8	19.7	0.9	0.01	0.01	0.00	0.7	SSW
3/6/2024 09:35:00	19.1	20.2	1.1	0.01	0.01	0.00	0.7	WSW
3/6/2024 09:36:00	19.4	20.6	1.2	0.01	0.00	0.00	0.7	W
3/6/2024 09:37:00	19.8	21.6	1.8	0.01	0.00	0.00	0.8	N
3/6/2024 09:38:00	20.3	22.9	2.6	0.01	0.00	0.00	0.8	ESE
3/6/2024 09:39:00	20.9	23.4	2.4	0.01	0.00	0.00	0.8	WNW
3/6/2024 09:40:00	21.4	23.5	2.2	0.01	0.01	0.00	0.8	ENE
3/6/2024 09:41:00	22.1	23.7	1.6	0.01	0.00	-0.01	0.9	W
3/6/2024 09:42:00	22.7	24.1	1.4	0.01	0.00	-0.01	0.8	WSW
3/6/2024 09:43:00	24.1	24.6	0.5	0.02	0.00	-0.01	0.9	W
3/6/2024 09:44:00	28.9	25.1	-3.8	0.02	0.00	-0.02	0.9	W
3/6/2024 09:45:00	34.6	25.6	-9.0	0.03	0.00	-0.02	0.9	SW
3/6/2024 09:46:00	37.7	26.0	-11.8	0.03	0.00	-0.03	0.9	W
3/6/2024 09:47:00	38.4	26.3	-12.1	0.03	0.00	-0.03	0.9	W
3/6/2024 09:48:00	41.9	26.7	-15.2	0.03	0.00	-0.03	0.9	W
3/6/2024 09:49:00	42.7	26.9	-15.8	0.03	0.00	-0.03	0.9	SW
3/6/2024 09:50:00	44.0	27.2	-16.7	0.04	0.00	-0.03	0.9	W
3/6/2024 09:51:00	44.8	27.6	-17.2	0.04	0.00	-0.04	0.9	WNW
3/6/2024 09:52:00	45.1	27.3	-17.7	0.04	0.01	-0.04	0.9	ENE
3/6/2024 09:53:00	45.3	26.7	-18.6	0.04	0.01	-0.04	1.0	NNE
3/6/2024 09:54:00	45.4	26.9	-18.5	0.04	0.01	-0.03	0.9	E
3/6/2024 09:55:00	45.5	26.8	-18.7	0.04	0.01	-0.04	0.9	WSW
3/6/2024 09:56:00	45.2	26.9	-18.3	0.04	0.01	-0.03	0.9	WSW
3/6/2024 09:57:00	45.1	27.0	-18.1	0.04	0.01	-0.03	0.9	WSW
3/6/2024 09:58:00	44.2	27.2	-17.0	0.03	0.01	-0.03	0.9	W
3/6/2024 09:59:00	39.8	27.3	-12.5	0.03	0.01	-0.03	0.9	W
3/6/2024 10:00:00	34.7	27.4	-7.3	0.03	0.01	-0.02	1.0	W
3/6/2024 10:01:00	32.0	27.5	-4.5	0.02	0.01	-0.01	1.0	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
3/6/2024 10:02:00	31.8	27.6	-4.2	0.02	0.01	-0.01	1.1	W
3/6/2024 10:03:00	29.3	27.7	-1.5	0.02	0.01	-0.01	1.2	SW
3/6/2024 10:04:00	28.9	27.9	-1.1	0.02	0.01	-0.01	1.2	W
3/6/2024 10:05:00	28.2	28.0	-0.2	0.01	0.01	0.00	1.2	W
3/6/2024 10:06:00	27.8	28.0	0.3	0.01	0.01	0.00	1.2	W
3/6/2024 10:07:00	28.6	28.1	-0.5	0.01	0.01	0.00	1.3	WSW
3/6/2024 10:08:00	29.3	28.2	-1.1	0.02	0.01	-0.01	1.5	WNW
3/6/2024 10:09:00	31.6	28.3	-3.3	0.02	0.01	-0.01	1.5	WNW
3/6/2024 10:10:00	32.6	28.3	-4.3	0.02	0.01	-0.01	1.5	W
3/6/2024 10:11:00	32.8	28.3	-4.5	0.02	0.01	-0.01	1.5	WSW
3/6/2024 10:12:00	32.8	28.3	-4.5	0.02	0.01	-0.01	1.5	W
3/6/2024 10:13:00	32.8	28.3	-4.5	0.02	0.01	-0.01	1.5	W
3/6/2024 10:14:00	32.9	28.3	-4.6	0.02	0.01	-0.01	1.5	WSW
3/6/2024 10:15:00	33.1	28.3	-4.9	0.02	0.01	-0.01	1.5	S
3/6/2024 10:16:00	33.3	28.2	-5.1	0.02	0.01	-0.01	1.4	ESE
3/6/2024 10:17:00	33.3	28.2	-5.1	0.02	0.01	-0.02	1.3	SW
3/6/2024 10:18:00	33.7	28.2	-5.5	0.02	0.01	-0.02	1.2	SE
3/6/2024 10:19:00	33.7	28.2	-5.5	0.02	0.01	-0.02	1.2	W
3/6/2024 10:20:00	33.8	28.1	-5.6	0.02	0.01	-0.02	1.1	NW
3/6/2024 10:21:00	33.9	28.1	-5.7	0.02	0.00	-0.02	1.1	WNW
3/6/2024 10:22:00	32.9	28.1	-4.8	0.02	0.00	-0.02	0.9	WNW
3/6/2024 10:23:00	32.5	28.2	-4.3	0.02	0.00	-0.02	0.8	WNW
3/6/2024 10:24:00	30.2	28.2	-2.0	0.02	0.00	-0.02	0.8	E
3/6/2024 10:25:00	29.3	28.4	-0.9	0.02	0.00	-0.01	0.7	NNE
3/6/2024 10:26:00	29.6	28.4	-1.2	0.01	0.00	-0.01	0.7	WNW
3/6/2024 10:27:00	29.8	28.3	-1.4	0.01	0.00	-0.01	0.7	SW
3/6/2024 10:28:00	30.0	28.4	-1.6	0.01	0.00	-0.01	0.6	SW
3/6/2024 10:29:00	30.0	28.4	-1.6	0.01	0.00	-0.01	0.6	NW
3/6/2024 10:30:00	30.2	28.5	-1.7	0.01	0.00	-0.01	0.7	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
3/6/2024 10:31:00	30.7	28.6	-2.1	0.02	0.00	-0.01	0.7	W
3/6/2024 10:32:00	30.8	29.6	-1.2	0.01	0.00	-0.01	0.7	NW
3/6/2024 10:33:00	30.1	29.7	-0.4	0.01	0.00	-0.01	0.8	W
3/6/2024 10:34:00	30.0	29.7	-0.2	0.01	0.00	-0.01	0.8	W
3/6/2024 10:35:00	30.1	29.8	-0.4	0.01	0.00	-0.01	0.8	WNW
3/6/2024 10:36:00	30.5	29.8	-0.7	0.01	0.00	-0.01	0.8	W
3/6/2024 10:37:00	30.6	29.7	-0.9	0.01	0.00	-0.01	0.9	W
3/6/2024 10:38:00	30.9	29.7	-1.1	0.01	0.00	-0.01	0.9	NW
3/6/2024 10:39:00	31.2	29.7	-1.5	0.02	0.00	-0.01	1.0	W
3/6/2024 10:40:00	31.2	29.7	-1.5	0.02	0.00	-0.01	1.0	ENE
3/6/2024 10:41:00	30.8	29.6	-1.1	0.02	0.01	-0.01	1.0	NNE
3/6/2024 10:42:00	30.5	29.5	-0.9	0.02	0.01	-0.01	1.0	WNW
3/6/2024 10:43:00	30.3	29.7	-0.7	0.01	0.01	-0.01	1.0	E
3/6/2024 10:44:00	30.3	29.6	-0.7	0.01	0.01	-0.01	1.0	W
3/6/2024 10:45:00	30.0	29.5	-0.5	0.01	0.01	-0.01	0.9	W
3/6/2024 10:46:00	29.5	29.4	-0.1	0.01	0.01	-0.01	0.8	W
3/6/2024 10:47:00	29.4	28.5	-0.9	0.01	0.01	-0.01	0.8	ENE
3/6/2024 10:48:00	30.0	28.5	-1.6	0.02	0.01	-0.01	0.8	W
3/6/2024 10:49:00	30.4	28.5	-1.9	0.02	0.01	-0.01	0.8	NW
3/6/2024 10:50:00	30.3	28.5	-1.8	0.02	0.01	-0.01	0.7	W
3/6/2024 10:51:00	29.9	28.5	-1.4	0.02	0.01	-0.01	0.7	W
3/6/2024 10:52:00	29.7	28.5	-1.2	0.02	0.01	-0.01	0.6	NE
3/6/2024 10:53:00	29.2	28.4	-0.8	0.02	0.01	-0.01	0.6	N
3/6/2024 10:54:00	28.9	28.3	-0.6	0.01	0.01	0.00	0.5	N
3/6/2024 10:55:00	28.8	28.0	-0.8	0.01	0.01	-0.01	0.5	WNW
3/6/2024 10:56:00	28.8	28.0	-0.7	0.01	0.01	-0.01	0.5	ENE
3/6/2024 10:57:00	28.8	28.0	-0.8	0.02	0.01	-0.01	0.5	WSW
3/6/2024 10:58:00	28.9	27.8	-1.1	0.02	0.01	-0.01	0.5	W
3/6/2024 10:59:00	29.3	27.8	-1.4	0.02	0.01	-0.01	0.5	NW



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/6/2024 11:00:00	29.2	28.1	-1.1	0.02	0.01	0.00	0.5	E
3/6/2024 11:01:00	29.1	28.3	-0.8	0.01	0.01	0.00	0.5	ENE
3/6/2024 11:02:00	29.7	28.0	-1.7	0.02	0.01	0.00	0.5	WSW
3/6/2024 11:03:00				0.02	0.01	0.00	0.6	W
3/6/2024 11:04:00				0.02	0.01	0.00	0.6	W
3/6/2024 11:05:00				0.02	0.01	0.00	0.6	WNW
3/6/2024 11:06:00				0.01	0.01	0.00	0.6	E
3/6/2024 11:07:00				0.01	0.01	0.00	0.7	W
3/6/2024 11:08:00	24.9	26.1	1.2	0.02	0.01	0.00	0.7	E
3/6/2024 11:09:00	25.1	25.9	0.8	0.02	0.01	0.00	0.7	E
3/6/2024 11:10:00	25.8	25.6	-0.2	0.02	0.01	0.00	0.7	W
3/6/2024 11:11:00	25.8	25.5	-0.3	0.02	0.01	-0.01	0.7	S
3/6/2024 11:12:00	25.5	25.3	-0.3	0.03	0.01	-0.01	0.8	W
3/6/2024 11:13:00	25.2	25.1	-0.1	0.03	0.01	-0.01	0.8	W
3/6/2024 11:14:00	25.0	25.0	0.0	0.03	0.01	-0.01	0.9	W
3/6/2024 11:15:00	24.8	24.9	0.1	0.03	0.01	-0.02	0.9	W
3/6/2024 11:16:00	24.6	24.8	0.2	0.03	0.01	-0.02	1.0	W
3/6/2024 11:17:00	24.5	24.7	0.2	0.03	0.01	-0.02	1.0	WNW
3/6/2024 11:18:00	24.4	24.6	0.2	0.03	0.01	-0.02	1.1	ESE
3/6/2024 11:19:00	24.3	24.4	0.1	0.03	0.01	-0.01	1.0	SE
3/6/2024 11:20:00	24.3	24.3	0.0	0.03	0.01	-0.02	1.0	SW
3/6/2024 11:21:00	24.2	24.2	0.0	0.03	0.01	-0.02	1.0	ENE
3/6/2024 11:22:00	24.1	24.1	-0.1	0.03	0.01	-0.01	1.0	NNE
3/6/2024 11:23:00	24.1	23.9	-0.2	0.03	0.01	-0.02	1.1	W
3/6/2024 11:24:00	24.0	23.8	-0.2	0.03	0.01	-0.02	1.2	W
3/6/2024 11:25:00	23.7	23.8	0.1	0.03	0.01	-0.02	1.3	W
3/6/2024 11:26:00	23.5	23.7	0.2	0.03	0.01	-0.02	1.4	W
3/6/2024 11:27:00	23.5	23.6	0.1	0.02	0.01	-0.02	1.4	W
3/6/2024 11:28:00	23.5	23.6	0.1	0.02	0.01	-0.02	1.4	SW

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
3/6/2024 11:29:00	23.5	23.5	0.0	0.03	0.01	-0.02	1.4	W
3/6/2024 11:30:00	23.5	23.4	-0.1	0.03	0.01	-0.02	1.4	W
3/6/2024 11:31:00	23.5	23.4	-0.1	0.03	0.01	-0.02	1.4	W
3/6/2024 11:32:00	23.5	23.3	-0.2	0.03	0.01	-0.02	1.3	W
3/6/2024 11:33:00	23.4	23.3	-0.1	0.03	0.00	-0.03	1.3	WSW
3/6/2024 11:34:00	23.3	23.2	-0.1	0.03	0.00	-0.03	1.3	W
3/6/2024 11:35:00	23.2	23.2	0.0	0.03	0.00	-0.03	1.3	W
3/6/2024 11:36:00	23.2	23.3	0.1	0.03	0.00	-0.03	1.4	WNW
3/6/2024 11:37:00	23.1	23.3	0.2	0.03	0.00	-0.03	1.4	W
3/6/2024 11:38:00	23.0	23.2	0.2	0.03	0.00	-0.03	1.4	SSW
3/6/2024 11:39:00	22.9	23.1	0.2	0.03	0.00	-0.03	1.3	ESE
3/6/2024 11:40:00	22.9	23.0	0.1	0.03	0.00	-0.02	1.2	ENE
3/6/2024 11:41:00	22.8	22.9	0.1	0.03	0.00	-0.02	1.1	W
3/6/2024 11:42:00	22.7	22.8	0.1	0.03	0.00	-0.02	1.0	WSW
3/6/2024 11:43:00	22.6	22.7	0.2	0.03	0.00	-0.02	1.0	WSW
3/6/2024 11:44:00	22.5	22.7	0.2	0.02	0.00	-0.02	0.9	W
3/6/2024 11:45:00	22.4	22.9	0.4	0.02	0.00	-0.01	0.9	WSW
3/6/2024 11:46:00	22.4	23.0	0.6	0.02	0.00	-0.01	0.9	W
3/6/2024 11:47:00	22.4	23.0	0.6	0.02	0.01	-0.01	0.8	N
3/6/2024 11:48:00	22.4	23.0	0.5	0.01	0.01	-0.01	0.9	WNW
3/6/2024 11:49:00	22.4	23.0	0.6	0.01	0.01	-0.01	0.9	WNW
3/6/2024 11:50:00	22.5	22.9	0.5	0.01	0.01	-0.01	0.9	NNE
3/6/2024 11:51:00	22.6	22.9	0.3	0.01	0.01	-0.01	0.9	ENE
3/6/2024 11:52:00	22.7	22.9	0.2	0.01	0.01	-0.01	0.8	NNE
3/6/2024 11:53:00	22.8	23.0	0.2	0.01	0.01	0.00	0.8	WSW
3/6/2024 11:54:00	22.9	23.1	0.2	0.01	0.01	-0.01	0.8	SW
3/6/2024 11:55:00	23.0	23.1	0.1	0.01	0.00	-0.01	0.8	NNE
3/6/2024 11:56:00	23.1	23.4	0.2	0.01	0.00	-0.01	0.9	WSW
3/6/2024 11:57:00	23.4	23.6	0.2	0.01	0.00	-0.01	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
3/6/2024 11:58:00	23.7	24.0	0.3	0.01	0.00	-0.01	0.9	WNW
3/6/2024 11:59:00	24.0	24.3	0.3	0.01	0.00	-0.01	0.9	W
3/6/2024 12:00:00	24.3	24.3	0.1	0.01	0.00	-0.01	1.0	W
3/6/2024 12:01:00	24.6	24.6	0.0	0.01	0.00	-0.01	1.0	W
3/6/2024 12:02:00	24.9	25.0	0.1	0.01	0.00	-0.01	1.1	W
3/6/2024 12:03:00	25.4	25.4	0.0	0.01	0.01	-0.01	1.0	N
3/6/2024 12:04:00	25.7	25.8	0.0	0.01	0.01	-0.01	1.0	NW
3/6/2024 12:05:00	26.1	26.2	0.1	0.01	0.01	-0.01	1.0	NNW
3/6/2024 12:06:00	26.4	26.5	0.1	0.01	0.01	-0.01	1.0	ENE
3/6/2024 12:07:00	26.8	26.8	0.1	0.01	0.01	-0.01	1.0	NW
3/6/2024 12:08:00	27.2	27.1	-0.1	0.01	0.01	0.00	1.0	E
3/6/2024 12:09:00	27.5	27.4	-0.2	0.01	0.01	0.00	1.1	ENE
3/6/2024 12:10:00	27.9	27.6	-0.3	0.01	0.01	0.00	1.1	NNE
3/6/2024 12:11:00	28.1	27.9	-0.2	0.01	0.01	0.00	1.1	WNW
3/6/2024 12:12:00	28.4	28.1	-0.3	0.01	0.01	0.00	1.1	NNW
3/6/2024 12:13:00	28.5	28.2	-0.2	0.01	0.01	0.00	1.1	WNW
3/6/2024 12:14:00	28.8	28.3	-0.5	0.01	0.01	0.00	1.1	E
3/6/2024 12:15:00	29.0	28.4	-0.6	0.01	0.01	0.00	1.1	ENE
3/6/2024 12:16:00	29.2	28.4	-0.8	0.00	0.01	0.00	1.0	N
3/6/2024 12:17:00	29.4	28.4	-0.9	0.00	0.01	0.01	1.0	NNE
3/6/2024 12:18:00	29.5	28.5	-1.0	0.00	0.01	0.00	1.0	ENE
3/6/2024 12:19:00	29.6	28.6	-1.0	0.00	0.01	0.01	1.0	W
3/6/2024 12:20:00	29.7	28.8	-0.9	0.00	0.00	0.00	0.9	SSE
3/6/2024 12:21:00	29.8	28.9	-0.9	0.00	0.00	0.00	0.9	E
3/6/2024 12:22:00	29.8	29.0	-0.9	0.00	0.00	0.00	0.9	ENE
3/6/2024 12:23:00	29.9	29.0	-0.9	0.00	0.00	0.00	0.9	NNW
3/6/2024 12:24:00	29.9	29.0	-0.9	0.00	0.00	0.00	0.8	ESE
3/6/2024 12:25:00	29.9	29.1	-0.8	0.00	0.00	0.00	0.8	NE
3/6/2024 12:26:00	30.0	28.9	-1.1	0.00	0.01	0.00	0.8	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
3/6/2024 12:27:00	29.9	29.1	-0.8	0.00	0.00	0.00	0.8	W
3/6/2024 12:28:00	29.9	29.0	-0.9	0.00	0.00	0.00	0.7	SSW
3/6/2024 12:29:00	29.8	29.1	-0.7	0.00	0.00	0.00	0.7	WNW
3/6/2024 12:30:00	29.7	29.1	-0.6	0.00	0.01	0.00	0.7	ESE
3/6/2024 12:31:00	29.6	29.1	-0.5	0.00	0.01	0.00	0.6	E
3/6/2024 12:32:00	29.6	29.0	-0.5	0.00	0.01	0.00	0.7	ESE
3/6/2024 12:33:00	29.3	29.0	-0.3	0.00	0.01	0.00	0.6	WSW
3/6/2024 12:34:00	29.1	29.0	-0.2	0.00	0.01	0.00	0.6	NW
3/6/2024 12:35:00	29.3	28.8	-0.5	0.00	0.01	0.00	0.6	ESE
3/6/2024 12:36:00	29.2	28.7	-0.5	0.00	0.01	0.00	0.8	W
3/6/2024 12:37:00	29.1	28.5	-0.6	0.01	0.01	0.00	0.8	WNW
3/6/2024 12:38:00	28.8	28.4	-0.4	0.01	0.01	0.00	0.9	W
3/6/2024 12:39:00	28.5	28.2	-0.3	0.01	0.01	0.00	0.9	W
3/6/2024 12:40:00	28.3	28.1	-0.1	0.01	0.01	-0.01	1.0	WSW
3/6/2024 12:41:00	27.9	28.0	0.0	0.01	0.01	-0.01	1.1	W
3/6/2024 12:42:00	27.7	27.7	0.0	0.02	0.01	-0.01	1.3	W
3/6/2024 12:43:00	27.4	27.3	-0.1	0.04	0.01	-0.03	1.4	W
3/6/2024 12:44:00	27.1	26.9	-0.2	0.06	0.01	-0.05	1.5	W
3/6/2024 12:45:00	26.6	26.4	-0.2	0.06	0.02	-0.03	1.5	ESE
3/6/2024 12:46:00	26.1	26.0	0.0	0.07	0.02	-0.05	1.5	WNW
3/6/2024 12:47:00	25.6	25.7	0.1	0.07	0.03	-0.04	1.5	NNE
3/6/2024 12:48:00	25.3	25.2	-0.1	0.07	0.04	-0.03	1.5	ESE
3/6/2024 12:49:00	25.0	24.5	-0.5	0.07	0.05	-0.02	1.5	NE
3/6/2024 12:50:00	24.3	24.2	-0.1	0.07	0.04	-0.03	1.4	S
3/6/2024 12:51:00	23.9	23.8	-0.1	0.07	0.05	-0.02	1.3	E
3/6/2024 12:52:00	23.3	23.5	0.1	0.07	0.05	-0.02	1.3	W
3/6/2024 12:53:00	23.0	23.2	0.1	0.07	0.05	-0.02	1.2	WSW
3/6/2024 12:54:00	22.7	22.9	0.1	0.07	0.05	-0.02	1.2	W
3/6/2024 12:55:00	22.3	22.5	0.2	0.07	0.05	-0.02	1.1	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
3/6/2024 12:56:00	21.9	22.2	0.2	0.07	0.05	-0.02	0.9	SSW
3/6/2024 12:57:00	21.7	21.7	0.0	0.06	0.05	-0.01	0.8	ESE
3/6/2024 12:58:00	21.4	21.5	0.1	0.05	0.05	0.00	0.6	WSW
3/6/2024 12:59:00	21.3	21.2	0.0	0.03	0.07	0.04	0.6	ENE
3/6/2024 13:00:00	21.1	21.2	0.1	0.04	0.05	0.01	0.6	W
3/6/2024 13:01:00	21.0	21.0	0.0	0.04	0.05	0.01	0.7	W
3/6/2024 13:02:00	20.9	20.9	0.0	0.05	0.04	-0.01	0.9	W
3/6/2024 13:03:00	20.7	20.8	0.0	0.06	0.03	-0.02	1.0	W
3/6/2024 13:04:00	20.5	20.7	0.2	0.06	0.03	-0.03	1.1	W
3/6/2024 13:05:00	20.5	20.5	0.0	0.09	0.04	-0.05	1.2	W
3/6/2024 13:06:00	20.4	20.3	-0.1	0.11	0.03	-0.08	1.2	W
3/6/2024 13:07:00	20.5	20.1	-0.3	0.12	0.04	-0.08	1.2	NW
3/6/2024 13:08:00	20.5	19.9	-0.5	0.12	0.04	-0.08	1.2	WNW
3/6/2024 13:09:00	20.4	19.8	-0.5	0.12	0.04	-0.09	1.2	WSW
3/6/2024 13:10:00	20.3	19.8	-0.6	0.13	0.04	-0.09	1.2	SW
3/6/2024 13:11:00	20.2	19.7	-0.5	0.12	0.04	-0.09	1.1	W
3/6/2024 13:12:00	20.0	19.7	-0.3	0.14	0.03	-0.10	1.1	SSE
3/6/2024 13:13:00	20.1	19.6	-0.6	0.14	0.03	-0.11	1.1	SSW
3/6/2024 13:14:00	19.8	19.6	-0.2	0.15	0.02	-0.14	1.2	WNW
3/6/2024 13:15:00	19.6	19.4	-0.2	0.15	0.02	-0.14	1.2	WNW
3/6/2024 13:16:00	19.4	19.3	-0.1	0.15	0.02	-0.13	1.2	W
3/6/2024 13:17:00	19.3	19.3	-0.1	0.14	0.02	-0.13	1.0	W
3/6/2024 13:18:00	19.3	19.2	-0.1	0.14	0.02	-0.13	1.0	W
3/6/2024 13:19:00	19.2	19.1	-0.1	0.14	0.01	-0.13	0.9	W
3/6/2024 13:20:00	19.1	19.0	-0.2	0.13	0.01	-0.11	0.9	W
3/6/2024 13:21:00	19.0	18.9	-0.2	0.11	0.01	-0.09	0.9	W
3/6/2024 13:22:00	18.8	18.8	0.0	0.11	0.03	-0.08	0.9	NNE
3/6/2024 13:23:00	18.4	18.6	0.1	0.11	0.04	-0.07	0.9	E
3/6/2024 13:24:00	18.1	18.3	0.2	0.12	0.04	-0.08	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
3/6/2024 13:25:00	17.8	18.1	0.2	0.13	0.04	-0.09	0.9	WSW
3/6/2024 13:26:00	17.7	17.7	0.0	0.13	0.05	-0.07	0.9	E
3/6/2024 13:27:00	17.6	17.4	-0.2	0.11	0.06	-0.06	0.9	NE
3/6/2024 13:28:00	17.4	17.2	-0.2	0.10	0.06	-0.04	1.0	E
3/6/2024 13:29:00	17.2	17.0	-0.2	0.09	0.06	-0.03	0.9	WSW
3/6/2024 13:30:00	17.2	16.9	-0.3	0.08	0.06	-0.02	0.8	N
3/6/2024 13:31:00	17.2	16.8	-0.4	0.08	0.06	-0.02	0.8	WSW
3/6/2024 13:32:00	17.1	16.7	-0.4	0.08	0.06	-0.01	0.7	E
3/6/2024 13:33:00	17.0	16.6	-0.4	0.07	0.07	0.00	0.7	E
3/6/2024 13:34:00	16.8	16.4	-0.5	0.07	0.07	0.01	0.7	ENE
3/6/2024 13:35:00	16.7	16.3	-0.4	0.06	0.08	0.03	0.6	N
3/6/2024 13:36:00	16.4	16.2	-0.1	0.05	0.08	0.03	0.6	WNW
3/6/2024 13:37:00	16.3	16.1	-0.3	0.04	0.07	0.02	0.6	ESE
3/6/2024 13:38:00	16.3	16.0	-0.3	0.04	0.05	0.01	0.6	ESE
3/6/2024 13:39:00	16.4	15.8	-0.5	0.03	0.05	0.02	0.5	NE
3/6/2024 13:40:00	16.4	15.7	-0.7	0.02	0.05	0.04	0.5	NE
3/6/2024 13:41:00	16.4	15.7	-0.7	0.02	0.05	0.03	0.5	ESE
3/6/2024 13:42:00	16.4	15.7	-0.7	0.01	0.05	0.03	0.5	ESE
3/6/2024 13:43:00	16.3	15.6	-0.6	0.01	0.05	0.03	0.5	E
3/6/2024 13:44:00	16.2	15.5	-0.7	0.02	0.05	0.03	0.5	SW
3/6/2024 13:45:00	15.9	15.4	-0.5	0.02	0.05	0.02	0.5	W
3/6/2024 13:46:00	15.8	15.1	-0.7	0.02	0.05	0.03	0.5	E
3/6/2024 13:47:00	15.4	14.8	-0.7	0.02	0.05	0.04	0.5	NE
3/6/2024 13:48:00	15.2	14.5	-0.7	0.02	0.06	0.04	0.5	E
3/6/2024 13:49:00	14.9	14.2	-0.7	0.02	0.06	0.04	0.5	NNE
3/6/2024 13:50:00	14.6	14.0	-0.6	0.02	0.06	0.04	0.5	NNE
3/6/2024 13:51:00	14.4	13.7	-0.7	0.01	0.06	0.05	0.5	N
3/6/2024 13:52:00	14.1	13.5	-0.6	0.01	0.06	0.04	0.5	WNW
3/6/2024 13:53:00	13.9	13.4	-0.5	0.01	0.06	0.05	0.6	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
3/6/2024 13:54:00	13.6	13.2	-0.4	0.02	0.06	0.04	0.6	SSE
3/6/2024 13:55:00	13.4	13.1	-0.3	0.02	0.06	0.04	0.6	WNW
3/6/2024 13:56:00	13.1	13.0	-0.1	0.02	0.05	0.03	0.6	WSW
3/6/2024 13:57:00	12.9	12.8	-0.1	0.02	0.05	0.03	0.6	ENE
3/6/2024 13:58:00	12.7	12.6	-0.1	0.02	0.05	0.03	0.6	ENE
3/6/2024 13:59:00	12.5	12.4	-0.2	0.02	0.05	0.03	0.6	WSW
3/6/2024 14:00:00	12.4	12.2	-0.2	0.01	0.05	0.04	0.6	W
3/6/2024 14:01:00	12.2	12.1	-0.1	0.02	0.05	0.03	0.6	S
3/6/2024 14:02:00	12.1	12.0	-0.1	0.02	0.04	0.03	0.6	ESE
3/6/2024 14:03:00	12.0	11.9	-0.1	0.02	0.03	0.01	0.6	ESE
3/6/2024 14:04:00	11.9	11.9	0.0	0.02	0.03	0.01	0.5	ENE
3/6/2024 14:05:00	11.9	11.8	-0.1	0.02	0.03	0.01	0.5	ENE
3/6/2024 14:06:00	11.9	11.8	-0.1	0.02	0.03	0.01	0.6	ENE
3/6/2024 14:07:00	12.0	11.8	-0.2	0.01	0.04	0.02	0.6	NE
3/6/2024 14:08:00	11.9	11.7	-0.2	0.01	0.03	0.02	0.6	N
3/6/2024 14:09:00	11.8	11.6	-0.2	0.01	0.03	0.02	0.6	NE
3/6/2024 14:10:00	11.8	11.5	-0.4	0.01	0.04	0.02	0.6	SE
3/6/2024 14:11:00	11.8	11.4	-0.4	0.01	0.04	0.03	0.6	SSE
3/6/2024 14:12:00	11.8	11.4	-0.3	0.01	0.03	0.02	0.6	WSW
3/6/2024 14:13:00	11.7	11.4	-0.3	0.01	0.03	0.02	0.7	E
3/6/2024 14:14:00	11.8	11.3	-0.5	0.01	0.03	0.02	0.8	E
3/6/2024 14:15:00	11.8	11.2	-0.6	0.00	0.03	0.03	0.8	ESE
3/6/2024 14:16:00	11.9	11.3	-0.6	0.00	0.03	0.03	0.8	WSW
3/6/2024 14:17:00	11.9	11.3	-0.6	0.00	0.03	0.03	0.8	ENE
3/6/2024 14:18:00	11.9	11.4	-0.6	0.00	0.03	0.03	0.8	E
3/6/2024 14:19:00	11.9	11.3	-0.6	0.00	0.03	0.03	0.8	NE
3/6/2024 14:20:00	11.8	11.3	-0.5	0.00	0.03	0.02	0.8	ENE
3/6/2024 14:21:00	11.7	11.3	-0.4	0.00	0.02	0.02	0.8	ESE
3/6/2024 14:22:00	11.7	11.3	-0.3	0.00	0.02	0.02	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
3/6/2024 14:23:00	11.8	11.5	-0.3	0.00	0.03	0.03	0.8	E
3/6/2024 14:24:00	11.9	11.7	-0.1	0.00	0.03	0.03	0.8	SE
3/6/2024 14:25:00	12.1	12.1	0.0	0.00	0.03	0.03	0.8	E
3/6/2024 14:26:00	12.4	12.5	0.1	0.00	0.04	0.03	0.8	ENE
3/6/2024 14:27:00	12.7	13.0	0.3	0.00	0.04	0.04	0.8	NNE
3/6/2024 14:28:00	13.1	13.2	0.2	0.01	0.04	0.03	0.8	W
3/6/2024 14:29:00	13.2	13.4	0.2	0.01	0.04	0.03	0.7	WNW
3/6/2024 14:30:00	13.2	13.5	0.3	0.01	0.05	0.04	0.8	NNE
3/6/2024 14:31:00	13.3	13.5	0.2	0.01	0.07	0.05	0.8	E
3/6/2024 14:32:00	13.3	13.5	0.2	0.01	0.07	0.06	0.9	E
3/6/2024 14:33:00	13.3	13.5	0.2	0.01	0.07	0.06	0.9	E
3/6/2024 14:34:00	13.4	13.6	0.1	0.01	0.07	0.06	1.0	E
3/6/2024 14:35:00	13.6	13.6	0.0	0.01	0.07	0.06	1.0	ESE
3/6/2024 14:36:00	13.8	13.7	-0.1	0.01	0.07	0.06	1.1	ESE
3/6/2024 14:37:00	14.0	13.9	-0.1	0.01	0.07	0.05	1.2	ESE
3/6/2024 14:38:00	14.3	14.1	-0.2	0.01	0.06	0.05	1.2	E
3/6/2024 14:39:00	14.6	14.2	-0.3	0.01	0.06	0.05	1.3	E
3/6/2024 14:40:00	14.8	14.3	-0.5	0.01	0.06	0.05	1.3	ENE
3/6/2024 14:41:00	14.9	14.3	-0.6	0.01	0.06	0.05	1.3	N
3/6/2024 14:42:00	15.0	14.2	-0.8	0.01	0.06	0.04	1.3	ESE
3/6/2024 14:43:00	15.0	14.3	-0.7	0.01	0.06	0.05	1.3	NE
3/6/2024 14:44:00	15.3	14.6	-0.7	0.00	0.07	0.06	1.3	E
3/6/2024 14:45:00	15.7	14.9	-0.7	0.00	0.05	0.05	1.4	ENE
3/6/2024 14:46:00	16.1	15.3	-0.7	0.00	0.04	0.04	1.4	E
3/6/2024 14:47:00	16.5	15.8	-0.7	0.01	0.04	0.03	1.3	ENE
3/6/2024 14:48:00	16.8	16.2	-0.6	0.01	0.04	0.03	1.3	E
3/6/2024 14:49:00	17.2	16.7	-0.5	0.01	0.04	0.04	1.2	E
3/6/2024 14:50:00	17.6	17.1	-0.5	0.01	0.04	0.04	1.2	E
3/6/2024 14:51:00	18.0	17.5	-0.5	0.01	0.05	0.04	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
3/6/2024 14:52:00	18.4	17.9	-0.5	0.01	0.05	0.04	1.1	N
3/6/2024 14:53:00	18.6	18.1	-0.5	0.01	0.05	0.04	1.1	NW
3/6/2024 14:54:00	18.8	18.3	-0.5	0.01	0.05	0.04	1.0	ENE
3/6/2024 14:55:00	19.0	18.6	-0.4	0.01	0.05	0.03	1.0	ENE
3/6/2024 14:56:00	19.2	18.8	-0.4	0.01	0.05	0.03	1.0	NE
3/6/2024 14:57:00	19.4	19.0	-0.4	0.01	0.05	0.03	1.0	E
3/6/2024 14:58:00	19.7	19.2	-0.5	0.01	0.05	0.04	0.9	ESE
3/6/2024 14:59:00	20.0	19.5	-0.5	0.01	0.05	0.04	0.9	NE
3/6/2024 15:00:00	20.1	19.7	-0.5	0.01	0.05	0.04	0.9	ENE
3/6/2024 15:01:00				0.01	0.05	0.04	1.0	E
3/6/2024 15:02:00				0.01	0.05	0.04	1.1	E
3/6/2024 15:03:00	22.8	21.8	-1.1	0.01	0.05	0.04	1.1	ESE
3/6/2024 15:04:00				0.01	0.05	0.04	1.2	ESE
3/6/2024 15:05:00				0.01	0.05	0.04	1.2	ESE