

DAILY FIELD REPORT 279

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	October 15, 2024
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	7:00 am to 1:15 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Langan Field Personnel:
Pepper Greenley (Environmental)

Construction Manager: Consigli Construction Co., Inc. (Consigli)

Foundation Contractor: Urban Foundation/Engineering (Urban)

Drilling Contractor: Eastern Environmental Solutions, Inc. (Eastern)

Work Activities Performed:

- Urban and their subcontractor, Eastern, used a Geoprobe 7822DT equipped with a hollow stem auger (3 ¼-inch inner diameter [ID] and 6 5/8-inch outer diameter [OD]) to install one permanent post-remediation groundwater monitoring well, LMW-01, in the southern part of the site.
 - Groundwater was encountered in the soil boring at about 10.5 feet below grade surface (bgs) (about elevation [el.] -2.5).
 - The groundwater monitoring well was installed with 10-foot long, 2-inch-diameter, threaded, flush-joint, polyvinyl chloride (PVC) casing and 0.010-inch-slot well screen set at 18 feet bgs (about el. -10) to straddle the groundwater table; a solid PVC riser was installed above the screen to extend the well to grade. The annulus of the well was filled with a 2-inch thick filter pack comprised of No. 1 sand to about 3 feet above the top of the screen. A hydrated bentonite well seal was installed above the filter sand to surface grade, and the well was capped with a J-plug at surface grade. The well will be finished with a flush-mounted access cover at a later date.
 - Excess soil cuttings were placed into a labeled United Nations (UN)/Department of Transportation (DOT)-approved, 55-gallon drum that was temporarily staged in the southeastern part of the site.
 - Odors, staining, elevated photoionization detector (PID) readings, or other evidence of a petroleum or chemical release were not observed.

Material Tracking:

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

Materials Export Summary								
Facility Name	Bayshore Soil Management, LLC		Clean Earth of Carteret, LLC		PPark NJ		Faztec Solutions	
Location	Keasbey, NJ		Carteret, NJ		Prospect Park, NJ		Staten Island, NY	
Type of Waste	Non-hazardous Soil		Non-hazardous Soil		Non-hazardous Soil		C&D	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
		0	-	0	-	0	-	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	338	6,760	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	3	51	3	60	34	578
Approved Quantity	-	500	-	500	-	200	-	600

Samples Collected:

- No samples were collected.

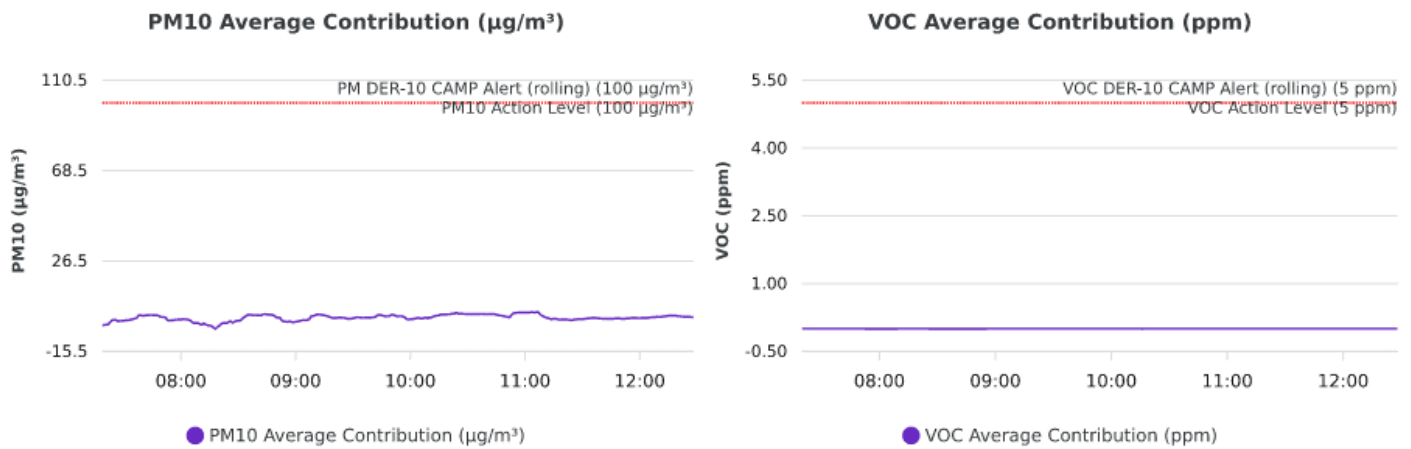
Air Monitoring:

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

Particulate Monitoring (µg/m ³)		Organic Vapor Monitoring (ppm)	
Daily Background	7.4	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-5.0	VOC Average Site Contribution (Minimum)	-0.00
PM10 Average Site Contribution (Maximum)	2.8	VOC Average Site Contribution (Maximum)	0.00

µg/m³: micrograms per cubic meter.

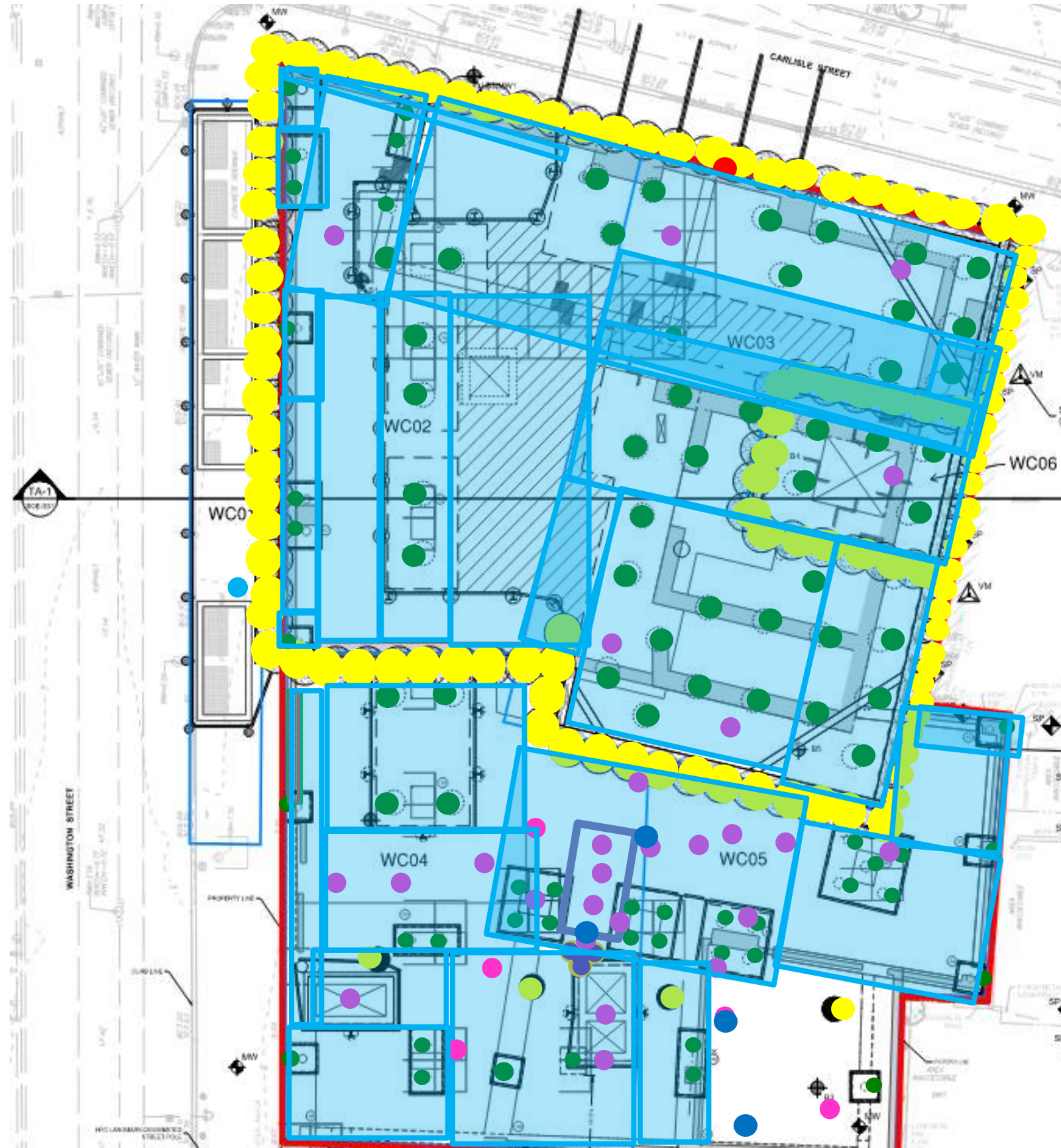
ppm: parts per million.



Planned Activities:

- The first round of post-remediation groundwater sampling will occur the week of October 21, 2024.







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**
- **Post-Remediation Groundwater Monitoring Well Installed**

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**

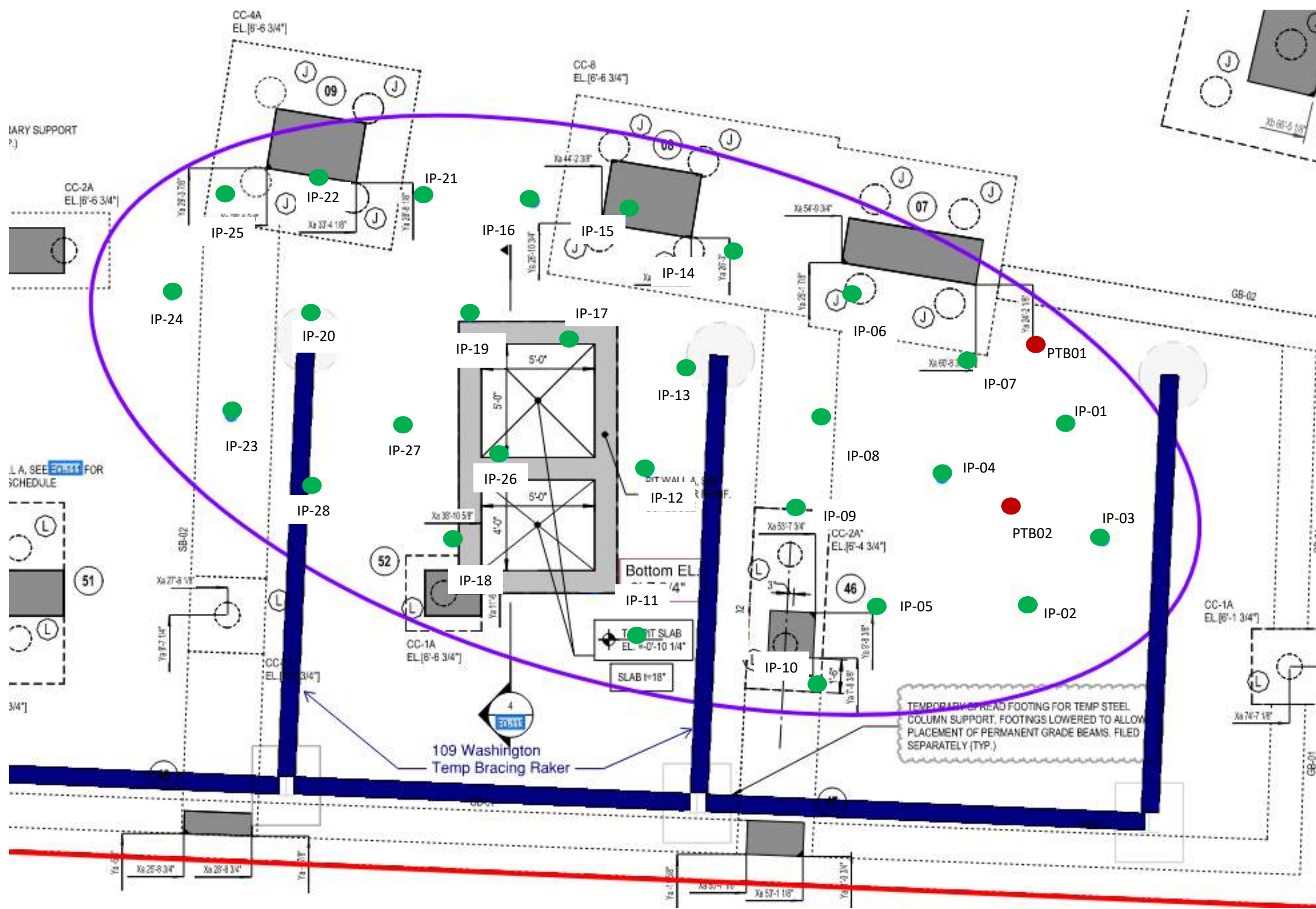


Photo Log

Photo 1: View of Eastern developing the post-remediation groundwater monitoring well LMW-01 (facing northeast).



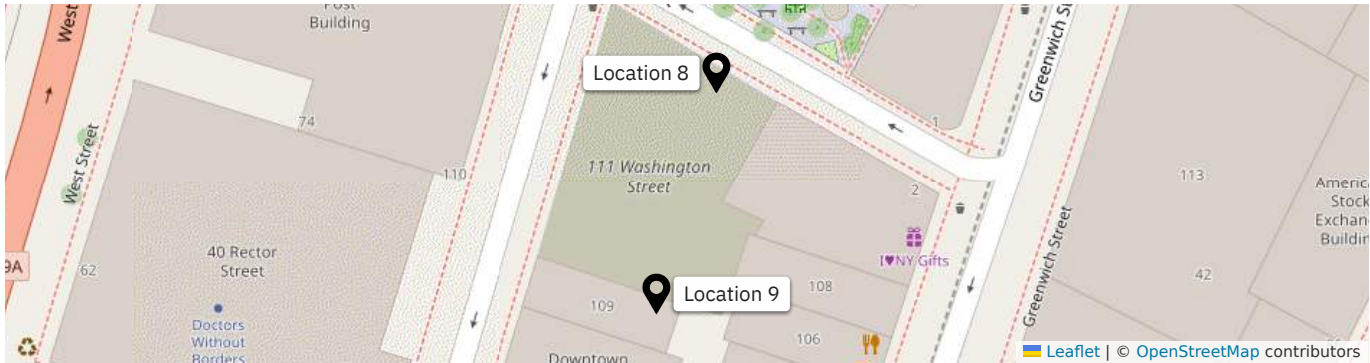
Photo 2: View of the completed post-remediation groundwater monitoring well, LMW-01 (facing south).



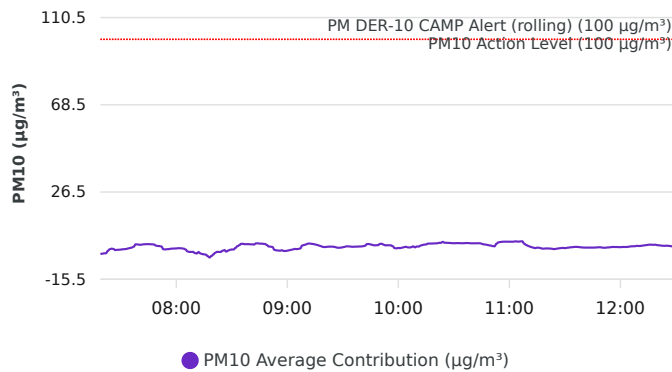
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	10/15/2024 06:00
		To:	10/15/2024 17:00
		PM10 Action Level:	100 µg/m ³
VOC Action Level:	5 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
10/15/2024	0.4-2.7	NE

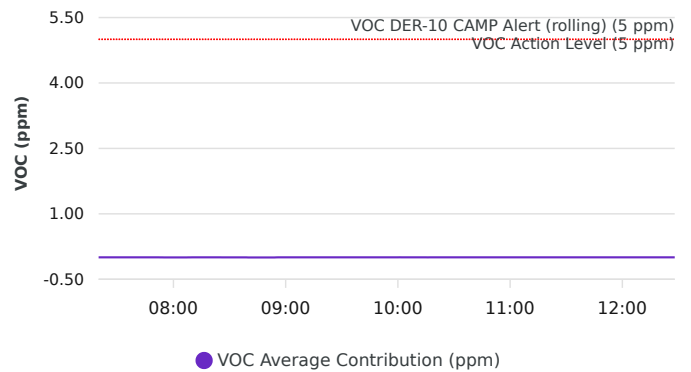
Daily Monitoring Summary	PM10 (µg/m ³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 10/15/2024	-5.0	08:18	-0.00	08:40
Max Contribution (15 min avg.) - 10/15/2024	2.8	11:07	0.00	10:01



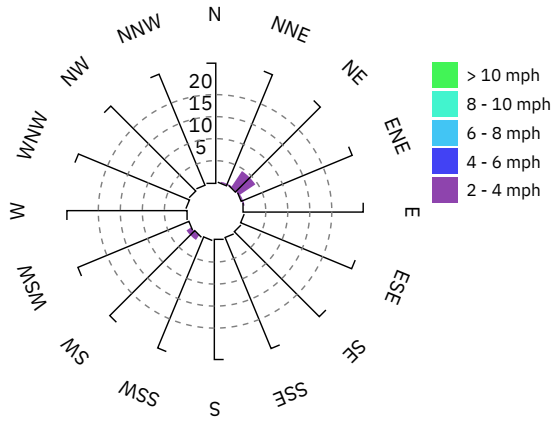
PM10 Average Contribution (µg/m³)



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
10/15/2024 07:19:00	7.4	4.1	-3.3				2.5	NE
10/15/2024 07:20:00	6.2	3.1	-3.1	0.00	0.00	0.00	2.4	NE
10/15/2024 07:21:00	5.4	2.4	-3.0	0.00	0.00	0.00	2.2	NE
10/15/2024 07:22:00	5.0	2.1	-3.0	0.00	0.00	0.00	1.6	NW
10/15/2024 07:23:00	4.2	2.4	-1.8	0.00	0.00	0.00	1.1	SSW
10/15/2024 07:24:00	3.7	2.6	-1.0	0.00	0.00	0.00	0.7	SW
10/15/2024 07:25:00	3.5	2.8	-0.7	0.00	0.00	0.00	0.5	SW
10/15/2024 07:26:00	3.7	2.8	-0.9	0.00	0.00	0.00	0.3	SSW
10/15/2024 07:27:00	4.3	2.9	-1.4	0.00	0.00	0.00	0.2	W
10/15/2024 07:28:00	4.1	2.8	-1.3	0.00	0.00	0.00	0.1	SSW
10/15/2024 07:29:00	4.1	2.8	-1.3	0.00	0.00	0.00	0.1	SSW
10/15/2024 07:30:00	3.9	2.8	-1.2	0.00	0.00	0.00	0.2	SW
10/15/2024 07:31:00	3.8	2.8	-1.1	0.00	0.00	0.00	0.3	SSW
10/15/2024 07:32:00	3.7	2.7	-1.0	0.00	0.00	0.00	0.3	SW
10/15/2024 07:33:00	3.6	2.7	-0.9	0.00	0.00	0.00	0.3	SW
10/15/2024 07:34:00	3.3	2.6	-0.6	0.00	0.00	0.00	0.5	NW
10/15/2024 07:35:00	3.1	2.6	-0.4	0.00	0.00	0.00	0.7	W
10/15/2024 07:36:00	2.9	2.7	-0.2	0.00	0.00	0.00	0.8	NW
10/15/2024 07:37:00	2.8	3.0	0.2	0.00	0.00	0.00	0.7	NE
10/15/2024 07:38:00	2.8	4.2	1.3	0.00	0.00	0.00	0.6	N
10/15/2024 07:39:00	2.9	4.2	1.3	0.00	0.00	0.00	0.5	NW
10/15/2024 07:40:00	2.9	4.0	1.2	0.00	0.00	0.00	0.5	SW
10/15/2024 07:41:00	2.9	4.1	1.1	0.00	0.00	0.00	0.5	WSW
10/15/2024 07:42:00	2.7	4.0	1.3	0.00	0.00	0.00	0.5	WSW
10/15/2024 07:43:00	2.6	4.0	1.4	0.00	0.00	0.00	0.4	NE
10/15/2024 07:44:00	2.5	4.0	1.4	0.00	0.00	0.00	0.4	S
10/15/2024 07:45:00	2.5	3.9	1.4	0.00	0.00	0.00	0.3	SE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
10/15/2024 07:46:00	2.4	3.8	1.4	0.00	0.00	0.00	0.3	SSE
10/15/2024 07:47:00	2.4	3.7	1.3	0.00	0.00	0.00	0.3	SW
10/15/2024 07:48:00	2.4	3.6	1.3	0.00	0.00	0.00	0.3	SW
10/15/2024 07:49:00	2.9	3.6	0.7	0.00	0.00	0.00	0.3	SSW
10/15/2024 07:50:00	3.0	3.5	0.6	0.00	0.00	0.00	0.3	S
10/15/2024 07:51:00	3.0	3.5	0.5	0.00	0.00	0.00	0.2	ENE
10/15/2024 07:52:00	3.0	3.3	0.3	0.00	0.00	0.00	0.4	WSW
10/15/2024 07:53:00	3.0	2.0	-1.0	0.00	0.00	0.00	0.5	SW
10/15/2024 07:54:00	3.0	1.9	-1.1	0.00	0.00	0.00	0.7	SW
10/15/2024 07:55:00	2.9	1.9	-1.0	0.00	0.00	0.00	0.7	WSW
10/15/2024 07:56:00	2.9	1.9	-1.0	0.00	0.00	0.00	0.6	ESE
10/15/2024 07:57:00	2.7	1.9	-0.8	0.00	0.00	0.00	0.5	ENE
10/15/2024 07:58:00	2.6	1.9	-0.7	0.00	0.00	0.00	0.5	NNE
10/15/2024 07:59:00	2.6	1.9	-0.7	0.00	0.00	0.00	0.4	ENE
10/15/2024 08:00:00	2.6	2.0	-0.7	0.00	0.00	0.00	0.4	SW
10/15/2024 08:01:00	2.7	2.2	-0.5	0.00	0.00	0.00	0.4	SW
10/15/2024 08:02:00	2.9	2.4	-0.5	0.00	0.00	0.00	0.4	NW
10/15/2024 08:03:00	3.1	2.5	-0.6	0.00	0.00	0.00	0.4	SW
10/15/2024 08:04:00	3.3	2.5	-0.7	0.00	0.00	0.00	0.4	SW
10/15/2024 08:05:00	3.6	2.5	-1.1	0.00	0.00	0.00	0.4	SW
10/15/2024 08:06:00	4.5	2.5	-2.0	0.00	0.00	0.00	0.5	SW
10/15/2024 08:07:00	4.8	2.5	-2.3	0.00	0.00	0.00	0.5	SSW
10/15/2024 08:08:00	4.8	2.5	-2.3	0.00	0.00	0.00	0.4	NE
10/15/2024 08:09:00	4.9	2.6	-2.3	0.00	0.00	0.00	0.3	SW
10/15/2024 08:10:00	5.4	2.5	-2.9	0.00	0.00	0.00	0.3	SSW
10/15/2024 08:11:00	5.6	2.5	-3.1	0.00	0.00	0.00	0.4	SW
10/15/2024 08:12:00	5.6	3.2	-2.4	0.00	0.00	0.00	0.4	NE
10/15/2024 08:13:00	6.1	3.1	-3.0	0.00	0.00	0.00	0.5	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
10/15/2024 08:14:00	6.4	3.1	-3.4	0.00	0.00	0.00	0.6	S
10/15/2024 08:15:00	6.5	3.0	-3.5	0.00	0.00	0.00	0.6	SSW
10/15/2024 08:16:00	6.5	2.9	-3.6	0.00	0.00	0.00	0.6	SSW
10/15/2024 08:17:00	7.1	2.7	-4.4	0.00	0.00	0.00	0.7	WSW
10/15/2024 08:18:00	7.6	2.7	-5.0	0.00	0.00	0.00	0.6	W
10/15/2024 08:19:00	7.0	2.7	-4.3	0.00	0.00	0.00	0.5	NE
10/15/2024 08:20:00	6.5	3.0	-3.6	0.00	0.00	0.00	0.5	W
10/15/2024 08:21:00	5.8	3.0	-2.7	0.00	0.00	0.00	0.5	WSW
10/15/2024 08:22:00	5.5	3.2	-2.3	0.00	0.00	0.00	0.3	NE
10/15/2024 08:23:00	5.6	3.3	-2.3	0.00	0.00	0.00	0.5	WSW
10/15/2024 08:24:00	5.5	3.2	-2.3	0.00	0.00	0.00	0.3	NE
10/15/2024 08:25:00	5.0	3.2	-1.8	0.00	0.00	0.00	0.2	NE
10/15/2024 08:26:00	4.6	3.2	-1.4	0.00	0.00	0.00	0.2	WSW
10/15/2024 08:27:00	4.6	2.5	-2.1	0.00	0.00	0.00	0.3	WSW
10/15/2024 08:28:00	4.2	2.5	-1.7	0.00	0.00	0.00	0.4	SW
10/15/2024 08:29:00	3.9	2.6	-1.3	0.00	0.00	0.00	0.3	NE
10/15/2024 08:30:00	3.8	2.7	-1.1	0.00	0.00	0.00	0.2	ENE
10/15/2024 08:31:00	3.9	2.7	-1.1	0.00	0.00	0.00	0.2	W
10/15/2024 08:32:00	3.1	2.7	-0.4	0.00	0.00	0.00	0.2	W
10/15/2024 08:33:00	2.4	2.9	0.4	0.00	0.00	0.00	0.2	SSW
10/15/2024 08:34:00	2.5	3.4	0.9	0.00	0.00	0.00	0.2	NNE
10/15/2024 08:35:00	2.5	4.0	1.6	0.00	0.00	0.00	0.2	NE
10/15/2024 08:36:00	2.4	4.0	1.6	0.00	0.00	0.00	0.1	SW
10/15/2024 08:37:00	2.4	3.8	1.4	0.00	0.00	0.00	0.1	W
10/15/2024 08:38:00	2.4	3.8	1.4	0.00	0.00	0.00	0.2	NNE
10/15/2024 08:39:00	2.4	3.8	1.4	0.00	0.00	0.00	0.2	NNE
10/15/2024 08:40:00	2.4	3.8	1.3	0.00	0.00	0.00	0.1	SE
10/15/2024 08:41:00	2.5	3.8	1.4	0.00	0.00	0.00	0.1	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
10/15/2024 08:42:00	2.5	3.8	1.2	0.00	0.00	0.00	0.1	WSW
10/15/2024 08:43:00	2.4	4.1	1.8	0.00	0.00	0.00	0.1	NE
10/15/2024 08:44:00	2.3	4.2	1.8	0.00	0.00	0.00	0.1	ENE
10/15/2024 08:45:00	2.4	4.0	1.7	0.00	0.00	0.00	0.1	SSW
10/15/2024 08:46:00	2.3	4.0	1.7	0.00	0.00	0.00	0.1	SW
10/15/2024 08:47:00	2.3	3.9	1.6	0.00	0.00	0.00	0.2	WSW
10/15/2024 08:48:00	2.3	3.8	1.5	0.00	0.00	0.00	0.1	W
10/15/2024 08:49:00	2.3	3.3	1.0	0.00	0.00	0.00	0.2	WSW
10/15/2024 08:50:00	2.3	2.6	0.3	0.00	0.00	0.00	0.3	NNE
10/15/2024 08:51:00	2.3	2.5	0.2	0.00	0.00	0.00	0.3	SSW
10/15/2024 08:52:00	2.4	2.4	0.0	0.00	0.00	0.00	0.3	WSW
10/15/2024 08:53:00	3.6	2.3	-1.3	0.00	0.00	0.00	0.4	SSW
10/15/2024 08:54:00	3.8	2.2	-1.6	0.00	0.00	0.00	0.5	SE
10/15/2024 08:55:00	3.8	2.2	-1.6	0.00	0.00	0.00	0.5	SSW
10/15/2024 08:56:00	3.8	2.1	-1.7	0.00	0.00	0.00	0.5	S
10/15/2024 08:57:00	3.7	2.2	-1.5	0.00	0.00	0.00	0.4	E
10/15/2024 08:58:00	3.7	1.8	-1.8	0.00	0.00	0.00	0.3	NE
10/15/2024 08:59:00	3.6	1.8	-1.9	0.00	0.00	0.00	0.3	NE
10/15/2024 09:00:00	3.6	1.9	-1.7	0.00	0.00	0.00	0.2	NE
10/15/2024 09:01:00	3.5	2.0	-1.5	0.00	0.00	0.00	0.1	ENE
10/15/2024 09:02:00	3.4	2.1	-1.3	0.00	0.00	0.00	0.2	NE
10/15/2024 09:03:00	3.3	2.2	-1.1	0.00	0.00	0.00	0.3	N
10/15/2024 09:04:00	3.2	2.4	-0.9	0.00	0.00	0.00	0.5	NE
10/15/2024 09:05:00	3.3	2.3	-1.0	0.00	0.00	0.00	0.5	NNE
10/15/2024 09:06:00	3.2	2.3	-0.9	0.00	0.00	0.00	0.7	NE
10/15/2024 09:07:00	3.1	2.5	-0.6	0.00	0.00	0.00	0.8	NE
10/15/2024 09:08:00	1.8	2.5	0.8	0.00	0.00	0.00	1.0	NNE
10/15/2024 09:09:00	1.7	2.7	1.0	0.00	0.00	0.00	1.2	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
10/15/2024 09:10:00	1.6	2.8	1.3	0.00	0.00	0.00	1.3	NE
10/15/2024 09:11:00	1.4	3.1	1.6	0.00	0.00	0.00	1.4	ENE
10/15/2024 09:12:00	1.4	3.2	1.8	0.00	0.00	0.00	1.4	NNW
10/15/2024 09:13:00	1.5	3.1	1.6	0.00	0.00	0.00	1.2	W
10/15/2024 09:14:00	1.6	3.1	1.5	0.00	0.00	0.00	1.0	S
10/15/2024 09:15:00	1.6	2.9	1.3	0.00	0.00	0.00	0.9	S
10/15/2024 09:16:00	1.7	2.8	1.1	0.00	0.00	0.00	0.8	WSW
10/15/2024 09:17:00	1.8	2.6	0.8	0.00	0.00	0.00	0.6	SW
10/15/2024 09:18:00	2.0	2.5	0.5	0.00	0.00	0.00	0.5	S
10/15/2024 09:19:00	2.1	2.2	0.2	0.00	0.00	0.00	0.3	SW
10/15/2024 09:20:00	2.0	2.1	0.0	0.00	0.00	0.00	0.2	WSW
10/15/2024 09:21:00	2.0	2.1	0.1	0.00	0.00	0.00	0.1	NE
10/15/2024 09:22:00	1.9	2.1	0.2	0.00	0.00	0.00	0.1	NE
10/15/2024 09:23:00	1.9	2.1	0.2	0.00	0.00	0.00	0.1	NNE
10/15/2024 09:24:00	1.8	2.0	0.2	0.00	0.00	0.00	0.0	NNE
10/15/2024 09:25:00	1.8	2.0	0.2	0.00	0.00	0.00	0.1	NNE
10/15/2024 09:26:00	1.8	1.8	0.0	0.00	0.00	0.00	0.1	NNW
10/15/2024 09:27:00	1.9	1.6	-0.3	0.00	0.00	0.00	0.0	ESE
10/15/2024 09:28:00	1.9	1.6	-0.3	0.00	0.00	0.00	0.1	SSW
10/15/2024 09:29:00	1.9	1.6	-0.2	0.00	0.00	0.00	0.1	N
10/15/2024 09:30:00	1.8	1.7	-0.1	0.00	0.00	0.00	0.3	N
10/15/2024 09:31:00	1.7	1.8	0.1	0.00	0.00	0.00	0.4	NNW
10/15/2024 09:32:00	1.6	2.0	0.4	0.00	0.00	0.00	0.5	N
10/15/2024 09:33:00	1.6	2.0	0.3	0.00	0.00	0.00	0.5	SSE
10/15/2024 09:34:00	1.7	2.0	0.3	0.00	0.00	0.00	0.6	ESE
10/15/2024 09:35:00	1.8	2.0	0.1	0.00	0.00	0.00	0.5	SW
10/15/2024 09:36:00	1.8	2.0	0.2	0.00	0.00	0.00	0.6	NE
10/15/2024 09:37:00	1.8	2.1	0.2	0.00	0.00	0.00	0.6	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
10/15/2024 09:38:00	1.8	2.1	0.3	0.00	0.00	0.00	0.6	NNE
10/15/2024 09:39:00	1.8	2.1	0.3	0.00	0.00	0.00	0.6	NNE
10/15/2024 09:40:00	1.7	2.1	0.3	0.00	0.00	0.00	0.6	NNE
10/15/2024 09:41:00	1.7	2.2	0.4	0.00	0.00	0.00	0.7	NE
10/15/2024 09:42:00	1.6	2.3	0.7	0.00	0.00	0.00	0.8	ENE
10/15/2024 09:43:00	1.5	2.9	1.4	0.00	0.00	0.00	0.9	NE
10/15/2024 09:44:00	1.5	3.0	1.5	0.00	0.00	0.00	0.9	E
10/15/2024 09:45:00	1.6	2.9	1.3	0.00	0.00	0.00	0.7	SSW
10/15/2024 09:46:00	1.7	2.8	1.1	0.00	0.00	0.00	0.7	WSW
10/15/2024 09:47:00	1.8	2.7	0.8	0.00	0.00	0.00	0.6	SSW
10/15/2024 09:48:00	1.8	2.7	0.9	0.00	0.00	0.00	0.5	SW
10/15/2024 09:49:00	1.7	2.7	0.9	0.00	0.00	0.00	0.5	SE
10/15/2024 09:50:00	1.5	3.0	1.5	0.00	0.00	0.00	0.7	NE
10/15/2024 09:51:00	1.4	3.1	1.6	0.00	0.00	0.00	0.7	NE
10/15/2024 09:52:00	1.7	2.9	1.2	0.00	0.00	0.00	0.5	SSW
10/15/2024 09:53:00	2.0	2.8	0.8	0.00	0.00	0.00	0.3	SSW
10/15/2024 09:54:00	2.0	2.9	0.9	0.00	0.00	0.00	0.3	NE
10/15/2024 09:55:00	2.0	2.9	0.9	0.00	0.00	0.00	0.4	NE
10/15/2024 09:56:00	2.0	2.8	0.8	0.00	0.00	0.00	0.4	NE
10/15/2024 09:57:00	2.3	2.7	0.4	0.00	0.00	0.00	0.3	SW
10/15/2024 09:58:00	2.5	2.0	-0.5	0.00	0.00	0.00	0.2	SW
10/15/2024 09:59:00	2.6	2.0	-0.6	0.00	0.00	0.00	0.2	NE
10/15/2024 10:00:00	2.6	2.2	-0.4	0.00	0.00	0.00	0.3	NE
10/15/2024 10:01:00	2.7	2.2	-0.5	0.00	0.00	0.00	0.3	SSW
10/15/2024 10:02:00	2.6	2.3	-0.3	0.00	0.00	0.00	0.5	NE
10/15/2024 10:03:00	2.5	2.4	-0.1	0.00	0.00	0.00	0.7	NNE
10/15/2024 10:04:00	2.4	2.5	0.2	0.00	0.00	0.00	0.7	NW
10/15/2024 10:05:00	2.4	2.3	-0.1	0.00	0.00	0.00	0.6	NNE

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
10/15/2024 10:06:00	2.4	2.2	-0.2	0.00	0.00	0.00	0.6	N
10/15/2024 10:07:00	2.2	2.2	0.0	0.00	0.00	0.00	0.7	SE
10/15/2024 10:08:00	2.0	2.3	0.3	0.00	0.00	0.00	0.8	NNW
10/15/2024 10:09:00	2.3	2.2	-0.1	0.00	0.00	0.00	0.6	S
10/15/2024 10:10:00	2.3	2.6	0.3	0.00	0.00	0.00	0.6	NE
10/15/2024 10:11:00	2.3	2.6	0.3	0.00	0.00	0.00	0.6	NNE
10/15/2024 10:12:00	2.0	2.8	0.7	0.00	0.00	0.00	0.8	NE
10/15/2024 10:13:00	1.9	2.9	1.0	0.00	0.00	0.00	1.1	NE
10/15/2024 10:14:00	1.8	3.0	1.2	0.00	0.00	0.00	1.1	NE
10/15/2024 10:15:00	1.6	2.9	1.3	0.00	0.00	0.00	1.0	NE
10/15/2024 10:16:00	1.3	3.0	1.7	0.00	0.00	0.00	1.1	NNE
10/15/2024 10:17:00	1.3	3.0	1.7	0.00	0.00	0.00	1.0	ENE
10/15/2024 10:18:00	1.2	3.0	1.7	0.00	0.00	0.00	1.0	ENE
10/15/2024 10:19:00	1.2	3.0	1.8	0.00	0.00	0.00	1.0	NNE
10/15/2024 10:20:00	1.2	3.0	1.8	0.00	0.00	0.00	1.0	ENE
10/15/2024 10:21:00	1.2	3.0	1.8	0.00	0.00	0.00	1.1	NE
10/15/2024 10:22:00	1.1	3.1	2.1	0.00	0.00	0.00	1.2	NE
10/15/2024 10:23:00	1.0	3.1	2.1	0.00	0.00	0.00	1.2	N
10/15/2024 10:24:00	0.7	3.3	2.5	0.00	0.00	0.00	1.3	N
10/15/2024 10:25:00	0.7	2.8	2.1	0.00	0.00	0.00	1.3	ENE
10/15/2024 10:26:00	0.7	2.8	2.1	0.00	0.00	0.00	1.3	NE
10/15/2024 10:27:00	0.7	2.7	2.0	0.00	0.00	0.00	1.3	N
10/15/2024 10:28:00	0.7	2.6	2.0	0.00	0.00	0.00	1.2	NNE
10/15/2024 10:29:00	0.6	2.5	1.9	0.00	0.00	0.00	1.2	NE
10/15/2024 10:30:00	0.6	2.5	1.9	0.00	0.00	0.00	1.1	NE
10/15/2024 10:31:00	0.6	2.5	1.9	0.00	0.00	0.00	1.2	NNE
10/15/2024 10:32:00	0.7	2.6	1.9	0.00	0.00	0.00	1.2	N
10/15/2024 10:33:00	0.7	2.6	1.9	0.00	0.00	0.00	1.2	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
10/15/2024 10:34:00	0.7	2.5	1.9	0.00	0.00	0.00	1.3	NNE
10/15/2024 10:35:00	0.6	2.5	1.9	0.00	0.00	0.00	1.3	NE
10/15/2024 10:36:00	0.6	2.5	1.9	0.00	0.00	0.00	1.3	NE
10/15/2024 10:37:00	0.6	2.6	2.0	0.00	0.00	0.00	1.3	NE
10/15/2024 10:38:00	0.6	2.5	1.9	0.00	0.00	0.00	1.3	NNE
10/15/2024 10:39:00	0.6	2.5	1.9	0.00	0.00	0.00	1.4	NE
10/15/2024 10:40:00	0.6	2.4	1.8	0.00	0.00	0.00	1.4	ENE
10/15/2024 10:41:00	0.6	2.4	1.9	0.00	0.00	0.00	1.4	NE
10/15/2024 10:42:00	0.6	2.4	1.9	0.00	0.00	0.00	1.4	NNE
10/15/2024 10:43:00	0.6	2.4	1.9	0.00	0.00	0.00	1.4	NE
10/15/2024 10:44:00	0.6	2.4	1.9	0.00	0.00	0.00	1.4	ENE
10/15/2024 10:45:00	0.7	2.3	1.6	0.00	0.00	0.00	1.2	SW
10/15/2024 10:46:00	0.8	2.2	1.3	0.00	0.00	0.00	1.1	W
10/15/2024 10:47:00	0.8	2.1	1.3	0.00	0.00	0.00	1.1	NNE
10/15/2024 10:48:00	0.9	2.0	1.1	0.00	0.00	0.00	0.9	SSW
10/15/2024 10:49:00	1.0	1.9	0.9	0.00	0.00	0.00	0.7	SW
10/15/2024 10:50:00	1.2	1.9	0.7	0.00	0.00	0.00	0.7	NNE
10/15/2024 10:51:00	1.4	1.8	0.5	0.00	0.00	0.00	0.6	S
10/15/2024 10:52:00	1.4	1.8	0.4	0.00	0.00	0.00	0.5	N
10/15/2024 10:53:00	1.4	3.0	1.6	0.00	0.00	0.00	0.6	NNE
10/15/2024 10:54:00	1.4	3.7	2.3	0.00	0.00	0.00	0.6	NE
10/15/2024 10:55:00	1.5	3.9	2.5	0.00	0.00	0.00	0.6	NE
10/15/2024 10:56:00	1.5	4.1	2.5	0.00	0.00	0.00	0.6	NE
10/15/2024 10:57:00	1.6	4.2	2.6	0.00	0.00	0.00	0.4	ESE
10/15/2024 10:58:00	1.6	4.2	2.6	0.00	0.00	0.00	0.4	N
10/15/2024 10:59:00	1.7	4.3	2.6	0.00	0.00	0.00	0.5	NE
10/15/2024 11:00:00	1.7	4.3	2.6	0.00	0.00	0.00	0.5	W
10/15/2024 11:01:00	1.7	4.3	2.6	0.00	0.00	0.00	0.5	S

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
10/15/2024 11:02:00	1.7	4.3	2.6	0.00	0.00	0.00	0.5	E
10/15/2024 11:03:00	1.7	4.4	2.8	0.00	0.00	0.00	0.6	N
10/15/2024 11:04:00	1.7	4.5	2.7	0.00	0.00	0.00	0.6	W
10/15/2024 11:05:00	1.7	4.3	2.6	0.00	0.00	0.00	0.5	SW
10/15/2024 11:06:00	1.6	4.4	2.8	0.00	0.00	0.00	0.6	ENE
10/15/2024 11:07:00	1.6	4.4	2.8	0.00	0.00	0.00	0.6	NE
10/15/2024 11:08:00	1.5	3.2	1.7	0.00	0.00	0.00	0.5	NE
10/15/2024 11:09:00	1.5	2.6	1.1	0.00	0.00	0.00	0.4	ENE
10/15/2024 11:10:00	1.6	2.3	0.6	0.00	0.00	0.00	0.3	SSE
10/15/2024 11:11:00	1.7	2.0	0.3	0.00	0.00	0.00	0.2	SW
10/15/2024 11:12:00	1.8	1.8	0.0	0.00	0.00	0.00	0.0	SW
10/15/2024 11:13:00	1.9	1.6	-0.3	0.00	0.00	0.00	0.2	SW
10/15/2024 11:14:00	2.0	1.5	-0.5	0.00	0.00	0.00	0.4	SW
10/15/2024 11:15:00	1.9	1.6	-0.2	0.00	0.00	0.00	0.3	ENE
10/15/2024 11:16:00	1.9	1.6	-0.3	0.00	0.00	0.00	0.3	SSW
10/15/2024 11:17:00	2.0	1.5	-0.5	0.00	0.00	0.00	0.3	W
10/15/2024 11:18:00	2.1	1.4	-0.8	0.00	0.00	0.00	0.4	SSW
10/15/2024 11:19:00	2.2	1.5	-0.7	0.00	0.00	0.00	0.5	WSW
10/15/2024 11:20:00	2.2	1.6	-0.6	0.00	0.00	0.00	0.5	SW
10/15/2024 11:21:00	2.3	1.7	-0.7	0.00	0.00	0.00	0.5	E
10/15/2024 11:22:00	2.4	1.7	-0.7	0.00	0.00	0.00	0.7	SSW
10/15/2024 11:23:00	2.4	1.6	-0.8	0.00	0.00	0.00	0.8	SW
10/15/2024 11:24:00	2.5	1.6	-1.0	0.00	0.00	0.00	0.8	E
10/15/2024 11:25:00	2.5	1.6	-0.9	0.00	0.00	0.00	0.8	E
10/15/2024 11:26:00	2.4	1.7	-0.7	0.00	0.00	0.00	0.6	NE
10/15/2024 11:27:00	2.3	1.8	-0.6	0.00	0.00	0.00	0.4	NE
10/15/2024 11:28:00	2.2	1.8	-0.5	0.00	0.00	0.00	0.2	NE
10/15/2024 11:29:00	2.1	1.8	-0.4	0.00	0.00	0.00	0.2	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
10/15/2024 11:30:00	2.2	1.7	-0.5	0.00	0.00	0.00	0.2	NE
10/15/2024 11:31:00	2.1	1.8	-0.3	0.00	0.00	0.00	0.4	NE
10/15/2024 11:32:00	2.0	1.8	-0.2	0.00	0.00	0.00	0.5	NE
10/15/2024 11:33:00	1.9	1.8	-0.1	0.00	0.00	0.00	0.7	NE
10/15/2024 11:34:00	1.8	1.7	-0.1	0.00	0.00	0.00	0.9	NE
10/15/2024 11:35:00	1.6	1.7	0.1	0.00	0.00	0.00	0.9	SSW
10/15/2024 11:36:00	1.5	1.6	0.1	0.00	0.00	0.00	0.8	WSW
10/15/2024 11:37:00	1.5	1.6	0.1	0.00	0.00	0.00	0.8	SW
10/15/2024 11:38:00	1.5	1.5	0.0	0.00	0.00	0.00	1.0	NE
10/15/2024 11:39:00	1.6	1.5	-0.1	0.00	0.00	0.00	1.1	NE
10/15/2024 11:40:00	1.8	1.6	-0.2	0.00	0.00	0.00	1.1	NNE
10/15/2024 11:41:00	1.8	1.6	-0.3	0.00	0.00	0.00	1.1	NW
10/15/2024 11:42:00	1.9	1.6	-0.2	0.00	0.00	0.00	0.9	SSE
10/15/2024 11:43:00	1.9	1.7	-0.3	0.00	0.00	0.00	0.8	W
10/15/2024 11:44:00	1.9	1.7	-0.2	0.00	0.00	0.00	0.7	ENE
10/15/2024 11:45:00	2.0	1.8	-0.2	0.00	0.00	0.00	0.6	SE
10/15/2024 11:46:00	2.0	1.8	-0.2	0.00	0.00	0.00	0.5	NE
10/15/2024 11:47:00	2.0	1.9	-0.2	0.00	0.00	0.00	0.3	WSW
10/15/2024 11:48:00	2.1	2.0	-0.1	0.00	0.00	0.00	0.0	SW
10/15/2024 11:49:00	2.2	2.1	-0.1	0.00	0.00	0.00	0.2	SSW
10/15/2024 11:50:00	2.4	2.2	-0.2	0.00	0.00	0.00	0.2	S
10/15/2024 11:51:00	2.4	2.1	-0.3	0.00	0.00	0.00	0.1	ESE
10/15/2024 11:52:00	2.5	2.2	-0.3	0.00	0.00	0.00	0.2	ENE
10/15/2024 11:53:00	2.6	2.4	-0.2	0.00	0.00	0.00	0.2	NE
10/15/2024 11:54:00	2.6	2.5	-0.1	0.00	0.00	0.00	0.2	WSW
10/15/2024 11:55:00	2.5	2.5	0.0	0.00	0.00	0.00	0.3	WSW
10/15/2024 11:56:00	2.4	2.5	0.1	0.00	0.00	0.00	0.3	WNW
10/15/2024 11:57:00	2.4	2.4	0.0	0.00	0.00	0.00	0.2	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
10/15/2024 11:58:00	2.3	2.4	0.1	0.00	0.00	0.00	0.2	ENE
10/15/2024 11:59:00	2.3	2.3	0.0	0.00	0.00	0.00	0.1	ENE
10/15/2024 12:00:00	2.3	2.2	0.0	0.00	0.00	0.00	0.1	NNE
10/15/2024 12:01:00	2.2	2.2	0.1	0.00	0.00	0.00	0.2	SW
10/15/2024 12:02:00	2.1	2.2	0.1	0.00	0.00	0.00	0.2	SW
10/15/2024 12:03:00	2.1	2.1	0.1	0.00	0.00	0.00	0.2	SW
10/15/2024 12:04:00	2.0	2.1	0.1	0.00	0.00	0.00	0.2	WSW
10/15/2024 12:05:00	1.8	2.1	0.3	0.00	0.00	0.00	0.2	SW
10/15/2024 12:06:00	1.8	2.2	0.4	0.00	0.00	0.00	0.4	SW
10/15/2024 12:07:00	1.7	2.1	0.4	0.00	0.00	0.00	0.5	SW
10/15/2024 12:08:00	1.6	2.0	0.4	0.00	0.00	0.00	0.6	SSE
10/15/2024 12:09:00	1.4	2.0	0.6	0.00	0.00	0.00	0.5	ESE
10/15/2024 12:10:00	1.4	1.9	0.5	0.00	0.00	0.00	0.4	ENE
10/15/2024 12:11:00	1.4	2.0	0.6	0.00	0.00	0.00	0.4	SW
10/15/2024 12:12:00	1.6	2.3	0.7	0.00	0.00	0.00	0.6	WSW
10/15/2024 12:13:00	1.6	2.4	0.9	0.00	0.00	0.00	0.8	WSW
10/15/2024 12:14:00	1.6	2.6	1.0	0.00	0.00	0.00	0.9	SW
10/15/2024 12:15:00	1.6	2.7	1.1	0.00	0.00	0.00	1.0	SW
10/15/2024 12:16:00	1.6	2.8	1.2	0.00	0.00	0.00	1.0	SW
10/15/2024 12:17:00	1.8	2.9	1.1	0.00	0.00	0.00	0.8	N
10/15/2024 12:18:00	1.9	3.0	1.1	0.00	0.00	0.00	0.7	NNW
10/15/2024 12:19:00	2.0	3.2	1.2	0.00	0.00	0.00	0.7	WSW
10/15/2024 12:20:00	2.4	3.4	0.9	0.00	0.00	0.00	0.8	SW
10/15/2024 12:21:00	2.6	3.5	0.9	0.00	0.00	0.00	0.8	SW
10/15/2024 12:22:00	2.9	3.6	0.7	0.00	0.00	0.00	0.9	SW
10/15/2024 12:23:00	3.0	3.6	0.7	0.00	0.00	0.00	0.9	SW
10/15/2024 12:24:00	3.2	3.8	0.6	0.00	0.00	0.00	1.1	SSW
10/15/2024 12:25:00	3.2	3.9	0.7	0.00	0.00	0.00	1.2	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
10/15/2024 12:26:00	3.2	3.8	0.6	0.00	0.00	0.00	1.1	ESE
10/15/2024 12:27:00	3.1	3.6	0.5	0.00	0.00	0.00	0.9	NE
10/15/2024 12:28:00	3.2	3.6	0.3	0.00	0.00	0.00	0.7	ENE