

**DAILY FIELD REPORT 202**

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 5, 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) Hamed Gholizadeh Touchaei (Geotechnical)
<b>Construction Manager:</b> Consigli Construction Co., Inc. (Consigli)	
<b>Foundation Contractor:</b> Urban Foundation/Engineering (Urban)	

**Work Activities Performed:**

- Urban continued excavating an about 15-foot-long by 30-foot-wide area to about 5 feet below grade surface in grids WC04\_0-5 and WC05\_0-5 to install timber lagging. A portion of the excavated soil/fill was graded adjacent to the excavation; the remainder was live-loaded for off-site disposal at the Clean Earth of Carteret LLC facility in Carteret, NJ.
- Urban graded an about 15-foot-long by 15-foot-wide area in the eastern part of grid WC04 for equipment mobilization.
- Urban backfilled an about 20-foot-long by 20-foot-wide area in the eastern part of grid WC05 with imported pipe sand to facilitate the installation of timber lagging.
- All graded and excavated material consisted of non-native soil; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a release were not observed.

**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 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 were 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	-	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	291	5,820	0	-	15	300

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	-	2
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	2	50
Approved Quantity	-	500	-	500	-	200	-	300

**Samples Collected:**

- No samples were collected.

**Air Monitoring:**

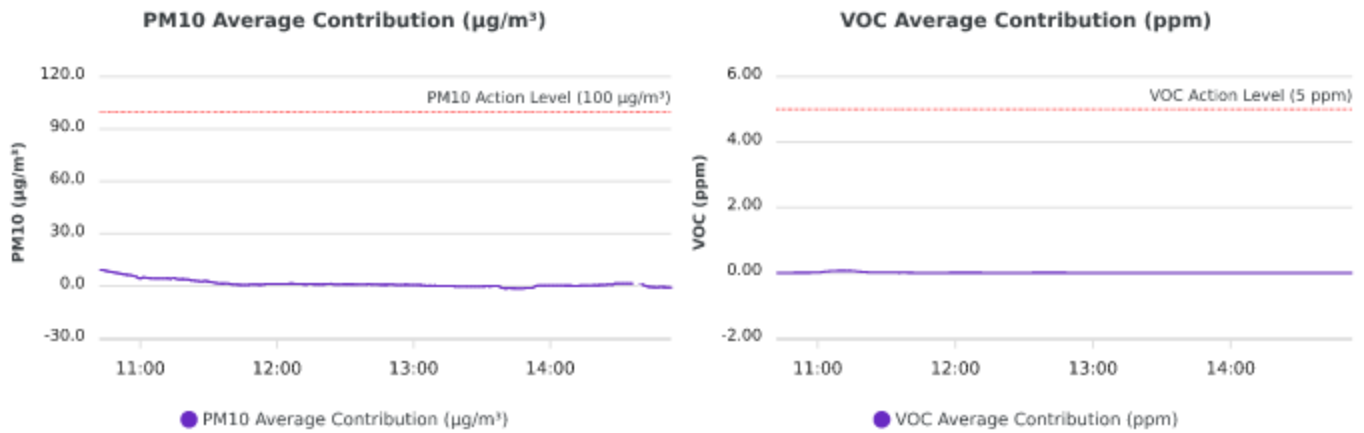
The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m<sup>3</sup> for particulates and 5 ppm for organic vapors. No particulates (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.

The Community Air Monitoring Program (CAMP) was not implemented until 10:42 due to sustained precipitation.

Particulate Monitoring (µg/m <sup>3</sup> )		Organic Vapor Monitoring (ppm)	
Daily Background	0.3	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-1.5	VOC Average Site Contribution (Minimum)	-0.01
PM10 Average Site Contribution (Maximum)	9.2	VOC Average Site Contribution (Maximum)	0.07

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

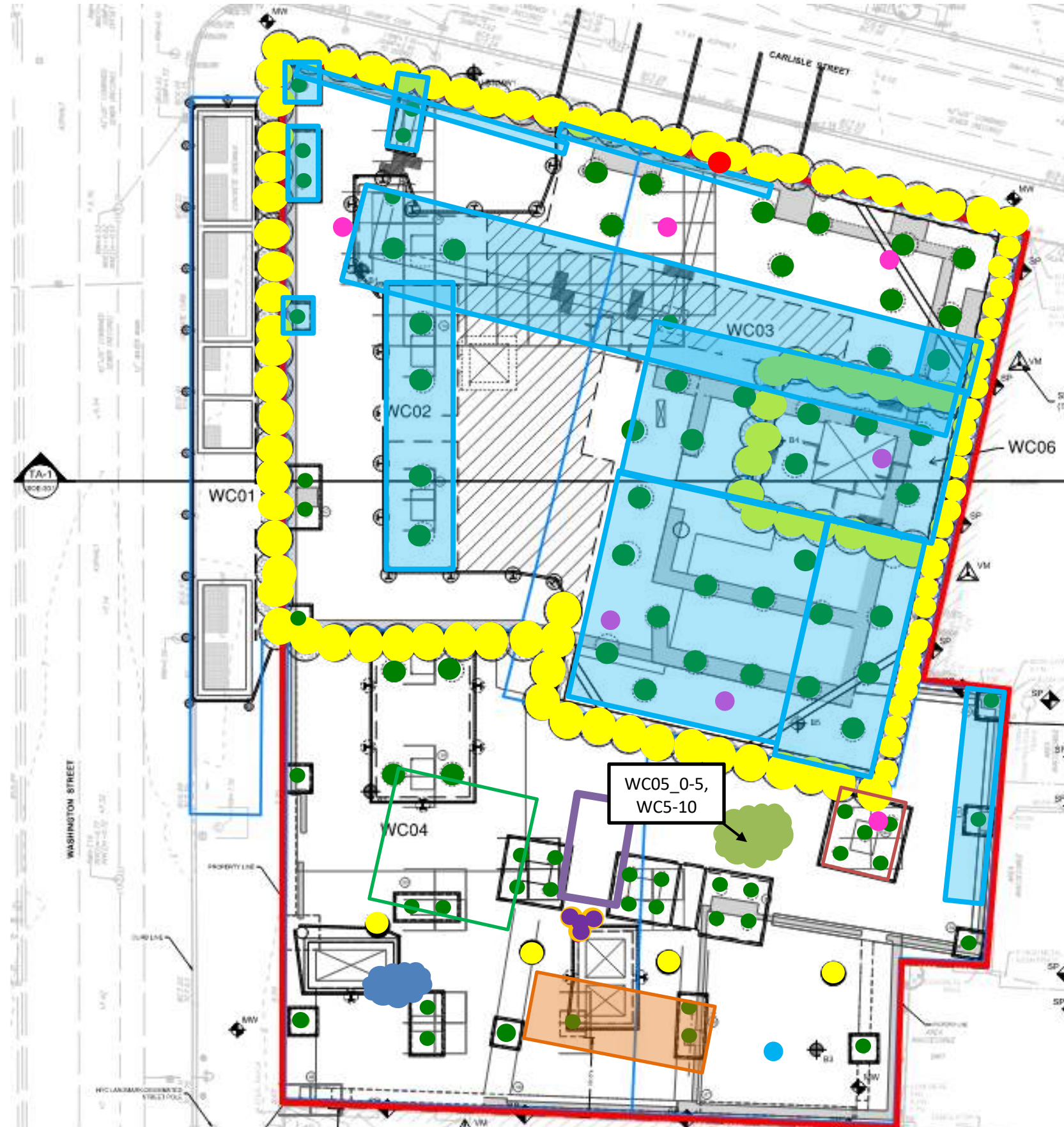
ppm: parts per million.



**Planned Activities:**

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

**SITE PLAN**









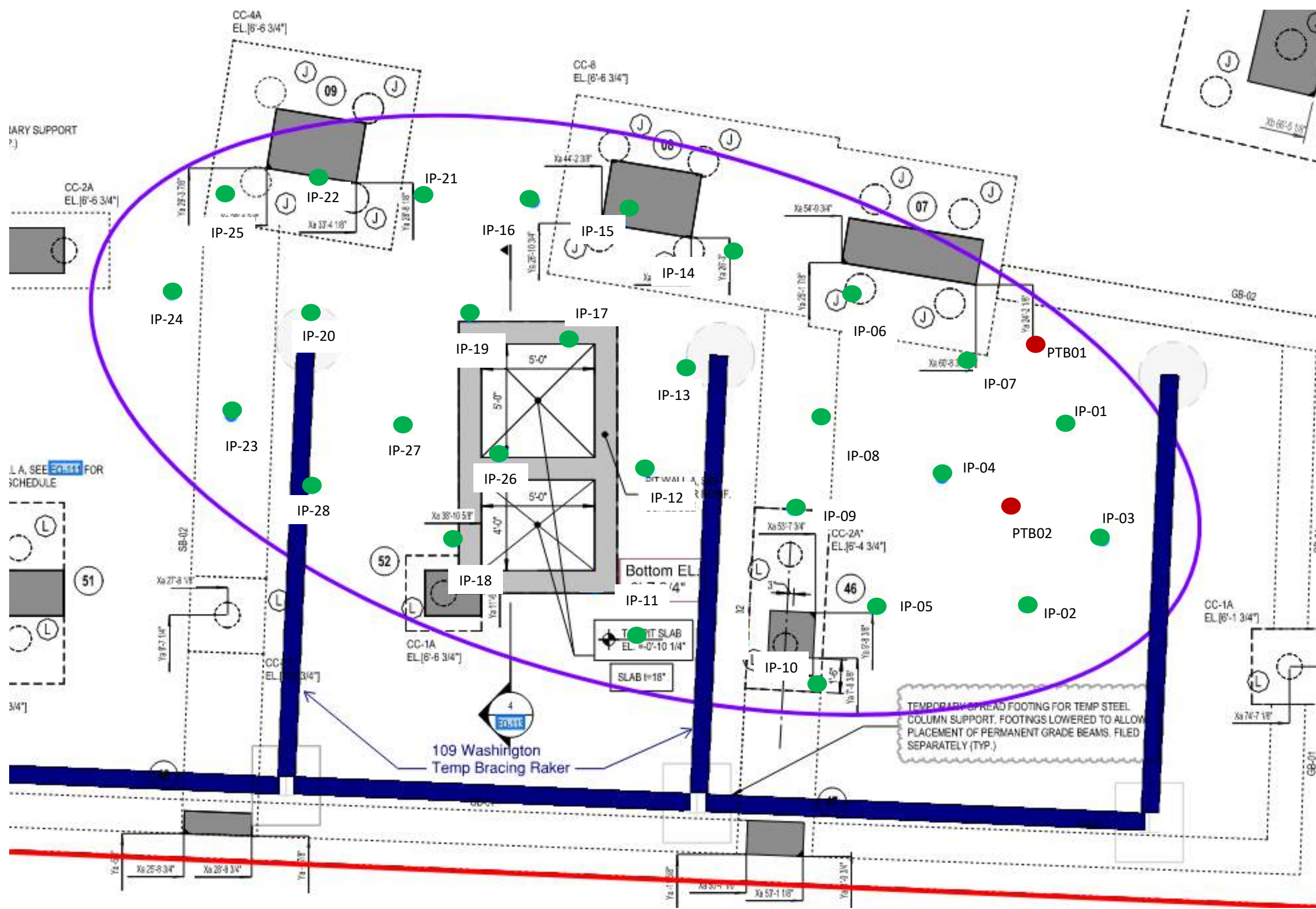
- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile – Soil (no impacts)**
- **Stockpile – C&D**
- **Stockpile – Timber Piles**
- Approximate Location of Excavation**
- Approximate Area of Grading**
- Approximate Backfill Location**
- **Completed 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 excavating soil/fill in the southern part of WC05 (facing southwest).



**Photo 2:** Urban backfilling in the eastern part of WC05 with imported pipe sand (facing north).



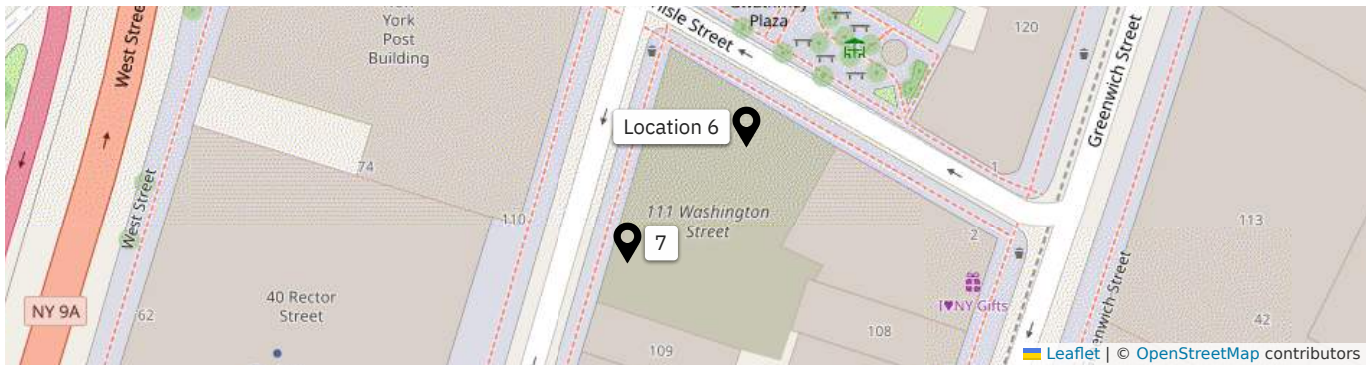
**Photo 3:** View of the site entrance/exit on Washington Street at the end of the work day (facing northeast).



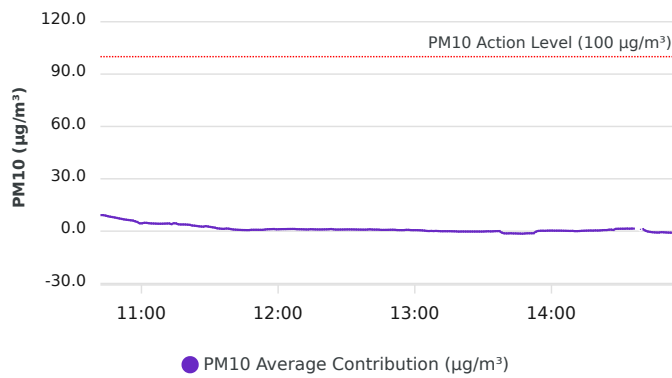
<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	3/5/2024 06:00
		<b>To:</b>	3/5/2024 19:00
		<b>PM10 Action Level:</b>	100.0 µg/m³
<b>VOC Action Level:</b>	5.00 ppm		

<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
3/5/2024	0.5-3.7	ESE

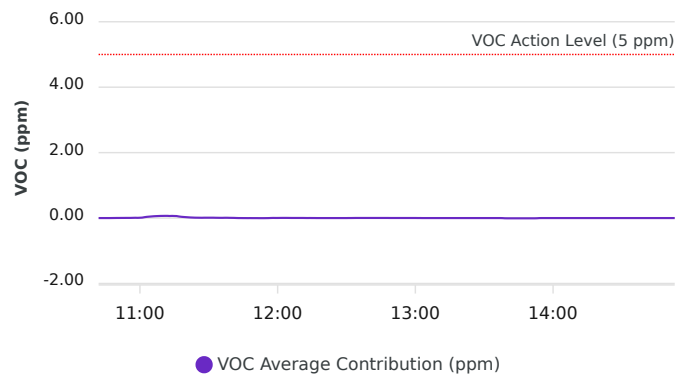
<b>Daily Monitoring Summary</b>	<b>PM10 (µg/m³)</b>	<b>Time</b>	<b>VOC (ppm)</b>	<b>Time</b>
<b>Min Contribution (15 min avg.) - 3/5/2024</b>	-1.5	13:47	-0.01	13:40
<b>Max Contribution (15 min avg.) - 3/5/2024</b>	9.2	10:43	0.07	11:11



**PM10 Average Contribution (µg/m³)**

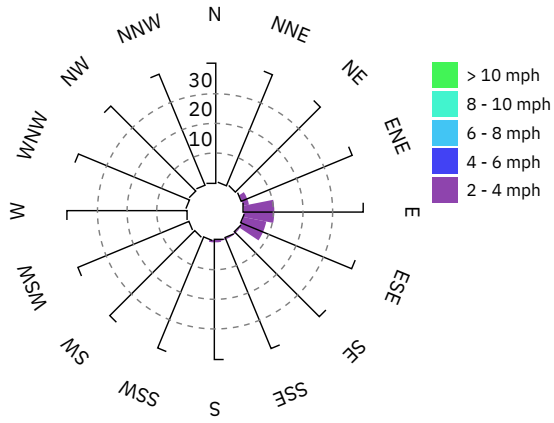


**VOC Average Contribution (ppm)**





Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/5/2024 10:42:00	0.3	9.4	9.2	0.00	0.00	0.00	1.6	E
3/5/2024 10:43:00	0.2	9.4	9.2	0.00	0.00	0.00	1.8	ENE
3/5/2024 10:44:00	0.1	9.0	8.9	0.00	0.00	0.00	1.6	NNW
3/5/2024 10:45:00	0.1	8.7	8.6	0.00	0.00	0.00	1.6	E
3/5/2024 10:46:00	0.1	8.3	8.3	0.00	0.00	0.00	1.7	E
3/5/2024 10:47:00	0.1	8.1	8.1	0.00	0.00	0.00	1.8	ENE
3/5/2024 10:48:00	0.0	7.9	7.9	0.00	0.00	0.00	2.0	E
3/5/2024 10:49:00	0.0	7.6	7.6	0.00	0.00	0.00	2.2	E
3/5/2024 10:50:00	0.0	7.3	7.3	0.00	0.00	0.00	2.1	E
3/5/2024 10:51:00	0.0	7.1	7.0	0.00	0.00	0.00	2.0	ENE
3/5/2024 10:52:00	0.0	6.8	6.8	0.00	0.00	0.00	2.0	E
3/5/2024 10:53:00	0.0	6.6	6.6	0.00	0.00	0.00	2.0	E
3/5/2024 10:54:00	0.0	6.4	6.4	0.00	0.01	0.01	1.9	E
3/5/2024 10:55:00	0.0	6.3	6.2	0.00	0.01	0.01	1.9	E
3/5/2024 10:56:00	0.0	6.1	6.1	0.00	0.01	0.01	1.9	E
3/5/2024 10:57:00	0.0	5.7	5.7	0.00	0.01	0.01	2.0	E
3/5/2024 10:58:00	0.0	5.3	5.3	0.00	0.01	0.01	2.0	ENE
3/5/2024 10:59:00	0.2	4.7	4.5	0.00	0.01	0.01	1.9	WNW
3/5/2024 11:00:00	0.2	4.7	4.5	0.00	0.01	0.01	2.0	NNW
3/5/2024 11:01:00	0.2	5.0	4.8	0.00	0.02	0.01	1.9	NNW
3/5/2024 11:02:00	0.2	5.0	4.8	0.00	0.03	0.03	2.0	E
3/5/2024 11:03:00	0.2	4.8	4.6	0.00	0.04	0.04	1.9	ENE
3/5/2024 11:04:00	0.2	4.7	4.4	0.00	0.04	0.04	1.8	E
3/5/2024 11:05:00	0.2	4.6	4.4	0.00	0.05	0.05	1.9	E
3/5/2024 11:06:00	0.2	4.6	4.3	0.00	0.06	0.06	1.9	E
3/5/2024 11:07:00	0.2	4.5	4.3	0.00	0.06	0.06	2.0	E
3/5/2024 11:08:00	0.2	4.5	4.2	0.00	0.06	0.06	2.0	E
3/5/2024 11:09:00	0.2	4.5	4.3	0.00	0.07	0.07	2.0	E
3/5/2024 11:10:00	0.2	4.6	4.3	0.00	0.07	0.07	2.1	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
3/5/2024 11:11:00	0.2	4.6	4.4	0.00	0.07	0.07	2.0	E
3/5/2024 11:12:00	0.2	4.7	4.4	0.00	0.07	0.07	2.0	ENE
3/5/2024 11:13:00	0.5	4.5	4.0	0.00	0.07	0.06	2.0	WSW
3/5/2024 11:14:00	0.3	4.8	4.6	0.00	0.07	0.07	2.1	E
3/5/2024 11:15:00	0.3	4.7	4.5	0.00	0.07	0.06	2.1	E
3/5/2024 11:16:00	0.3	4.2	3.9	0.00	0.06	0.06	2.1	E
3/5/2024 11:17:00	0.3	4.1	3.8	0.00	0.05	0.05	1.9	E
3/5/2024 11:18:00	0.3	4.1	3.8	0.00	0.04	0.04	1.9	ENE
3/5/2024 11:19:00	0.3	4.1	3.8	0.00	0.04	0.03	1.9	E
3/5/2024 11:20:00	0.3	4.0	3.7	0.00	0.03	0.03	1.9	E
3/5/2024 11:21:00	0.3	3.9	3.6	0.00	0.03	0.02	1.9	E
3/5/2024 11:22:00	0.4	3.7	3.3	0.00	0.02	0.02	1.8	NW
3/5/2024 11:23:00	0.4	3.6	3.1	0.00	0.02	0.01	1.9	E
3/5/2024 11:24:00	0.4	3.4	3.0	0.00	0.01	0.01	1.8	ENE
3/5/2024 11:25:00	0.4	3.2	2.8	0.00	0.01	0.01	1.8	E
3/5/2024 11:26:00	0.4	3.1	2.6	0.00	0.01	0.01	1.8	E
3/5/2024 11:27:00	0.4	3.0	2.5	0.00	0.01	0.01	1.8	N
3/5/2024 11:28:00	0.2	3.1	2.9	0.00	0.01	0.01	1.8	SE
3/5/2024 11:29:00	0.2	2.8	2.7	0.00	0.01	0.01	1.7	E
3/5/2024 11:30:00	0.2	2.6	2.4	0.00	0.01	0.01	1.6	E
3/5/2024 11:31:00	0.2	2.4	2.2	0.00	0.01	0.01	1.6	ENE
3/5/2024 11:32:00	0.2	2.2	2.0	0.00	0.01	0.01	1.6	E
3/5/2024 11:33:00	0.3	1.9	1.6	0.00	0.01	0.01	1.6	WNW
3/5/2024 11:34:00	0.3	1.8	1.5	0.00	0.01	0.01	1.6	ESE
3/5/2024 11:35:00	0.3	1.6	1.4	0.00	0.01	0.01	1.5	E
3/5/2024 11:36:00	0.3	1.5	1.3	0.00	0.01	0.01	1.4	SE
3/5/2024 11:37:00	0.1	1.6	1.5	0.00	0.01	0.01	1.5	E
3/5/2024 11:38:00	0.1	1.5	1.4	0.00	0.01	0.01	1.4	ENE
3/5/2024 11:39:00	0.2	1.4	1.2	0.00	0.01	0.01	1.4	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
3/5/2024 11:40:00	0.3	1.3	1.0	0.00	0.01	0.01	1.3	SE
3/5/2024 11:41:00	0.3	1.1	0.9	0.00	0.01	0.01	1.3	E
3/5/2024 11:42:00	0.3	1.1	0.8	0.01	0.01	0.00	1.4	ESE
3/5/2024 11:43:00	0.3	1.0	0.7	0.01	0.01	0.00	1.4	ESE
3/5/2024 11:44:00	0.3	0.9	0.7	0.01	0.01	0.00	1.4	E
3/5/2024 11:45:00	0.3	0.9	0.6	0.01	0.01	0.00	1.5	ENE
3/5/2024 11:46:00	0.3	0.9	0.6	0.01	0.01	0.00	1.5	E
3/5/2024 11:47:00	0.3	0.9	0.6	0.01	0.01	0.00	1.5	E
3/5/2024 11:48:00	0.2	1.0	0.8	0.01	0.01	0.00	1.5	E
3/5/2024 11:49:00	0.2	1.0	0.8	0.01	0.01	0.00	1.5	SE
3/5/2024 11:50:00	0.2	1.0	0.8	0.01	0.01	0.00	1.6	ESE
3/5/2024 11:51:00	0.2	1.0	0.8	0.01	0.01	0.00	1.6	ESE
3/5/2024 11:52:00	0.2	1.0	0.7	0.01	0.01	0.00	1.6	SE
3/5/2024 11:53:00	0.2	0.9	0.7	0.01	0.00	0.00	1.6	E
3/5/2024 11:54:00	0.1	1.0	0.9	0.01	0.00	0.00	1.6	E
3/5/2024 11:55:00	0.0	1.1	1.1	0.01	0.00	0.00	1.6	ESE
3/5/2024 11:56:00	0.0	1.1	1.1	0.01	0.00	0.00	1.5	ENE
3/5/2024 11:57:00	0.0	1.2	1.2	0.00	0.00	0.00	1.5	SE
3/5/2024 11:58:00	0.0	1.3	1.2	0.00	0.00	0.00	1.5	ESE
3/5/2024 11:59:00	0.1	1.2	1.0	0.00	0.00	0.00	1.5	SSE
3/5/2024 12:00:00	0.1	1.3	1.1	0.00	0.00	0.00	1.5	N
3/5/2024 12:01:00	0.1	1.3	1.2	0.00	0.01	0.00	1.5	SE
3/5/2024 12:02:00	0.1	1.3	1.2	0.00	0.01	0.01	1.6	E
3/5/2024 12:03:00	0.1	1.3	1.2	0.00	0.01	0.01	1.6	ESE
3/5/2024 12:04:00	0.1	1.4	1.2	0.00	0.01	0.01	1.5	SE
3/5/2024 12:05:00	0.1	1.4	1.2	0.00	0.01	0.00	1.6	ESE
3/5/2024 12:06:00	0.1	1.4	1.3	0.00	0.00	0.00	1.6	ESE
3/5/2024 12:07:00	0.1	1.4	1.3	0.00	0.00	0.00	1.6	E
3/5/2024 12:08:00	0.2	1.3	1.1	0.00	0.00	0.00	1.6	SSW

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
3/5/2024 12:09:00	0.2	1.3	1.1	0.00	0.00	0.00	1.7	ESE
3/5/2024 12:10:00	0.2	1.3	1.1	0.00	0.00	0.00	1.7	SE
3/5/2024 12:11:00	0.2	1.2	1.0	0.00	0.00	0.00	1.7	ESE
3/5/2024 12:12:00	0.2	1.2	1.0	0.00	0.00	0.00	1.7	ESE
3/5/2024 12:13:00	0.2	1.1	0.9	0.00	0.00	0.00	1.7	E
3/5/2024 12:14:00	0.1	1.2	1.1	0.00	0.00	0.00	1.6	ESE
3/5/2024 12:15:00	0.1	1.1	1.1	0.00	0.00	0.00	1.6	SE
3/5/2024 12:16:00	0.1	1.1	1.0	0.00	0.00	0.00	1.7	NE
3/5/2024 12:17:00	0.1	1.0	1.0	0.00	0.00	0.00	1.6	E
3/5/2024 12:18:00	0.1	1.0	1.0	0.00	0.00	0.00	1.6	E
3/5/2024 12:19:00	0.1	1.0	1.0	0.00	0.00	0.00	1.7	E
3/5/2024 12:20:00	0.1	1.1	1.0	0.00	0.00	0.00	1.6	E
3/5/2024 12:21:00	0.1	1.1	1.0	0.00	0.00	0.00	1.6	ESE
3/5/2024 12:22:00	0.1	1.1	1.1	0.00	0.00	0.00	1.6	ESE
3/5/2024 12:23:00	0.0	1.3	1.3	0.00	0.00	0.00	1.5	ENE
3/5/2024 12:24:00	0.1	1.2	1.1	0.00	0.00	0.00	1.5	SW
3/5/2024 12:25:00	0.2	1.1	0.9	0.00	0.00	0.00	1.5	SW
3/5/2024 12:26:00	0.2	1.1	0.9	0.00	0.00	0.00	1.6	E
3/5/2024 12:27:00	0.2	1.1	0.9	0.00	0.00	0.00	1.5	ESE
3/5/2024 12:28:00	0.2	1.2	0.9	0.00	0.00	0.00	1.6	E
3/5/2024 12:29:00	0.2	1.2	1.0	0.00	0.00	0.00	1.6	SE
3/5/2024 12:30:00	0.2	1.2	1.0	0.00	0.00	0.00	1.6	ESE
3/5/2024 12:31:00	0.2	1.2	1.0	0.00	0.00	0.00	1.6	SE
3/5/2024 12:32:00	0.2	1.2	1.0	0.00	0.00	0.00	1.7	ESE
3/5/2024 12:33:00	0.2	1.2	1.0	0.00	0.00	0.00	1.6	E
3/5/2024 12:34:00	0.2	1.2	0.9	0.00	0.00	0.00	1.5	ESE
3/5/2024 12:35:00	0.2	1.1	0.9	0.00	0.00	0.00	1.4	NE
3/5/2024 12:36:00	0.2	1.1	0.9	0.00	0.00	0.00	1.4	E
3/5/2024 12:37:00	0.2	1.1	0.9	0.00	0.00	0.00	1.5	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
3/5/2024 12:38:00	0.2	1.1	0.8	0.00	0.00	0.00	1.5	N
3/5/2024 12:39:00	0.2	1.1	0.9	0.00	0.00	0.00	1.6	S
3/5/2024 12:40:00	0.1	1.2	1.1	0.00	0.00	0.00	1.7	ESE
3/5/2024 12:41:00	0.2	1.1	0.9	0.00	0.00	0.00	1.6	SSE
3/5/2024 12:42:00	0.2	1.1	0.9	0.00	0.00	0.00	1.6	ESE
3/5/2024 12:43:00	0.2	1.1	0.9	0.00	0.00	0.00	1.6	E
3/5/2024 12:44:00	0.2	1.1	0.9	0.00	0.00	0.00	1.6	E
3/5/2024 12:45:00	0.3	1.0	0.7	0.00	0.00	0.00	1.6	SSE
3/5/2024 12:46:00	0.3	1.0	0.7	0.00	0.00	0.00	1.6	E
3/5/2024 12:47:00	0.3	1.0	0.7	0.00	0.00	0.00	1.6	ENE
3/5/2024 12:48:00	0.3	1.0	0.7	0.00	0.00	0.00	1.6	SE
3/5/2024 12:49:00	0.3	1.1	0.8	0.00	0.00	0.00	1.7	E
3/5/2024 12:50:00	0.3	1.1	0.8	0.00	0.00	0.00	1.7	ENE
3/5/2024 12:51:00	0.3	1.1	0.8	0.00	0.00	0.00	1.7	ESE
3/5/2024 12:52:00	0.4	1.1	0.6	0.00	0.00	0.00	1.6	SSE
3/5/2024 12:53:00	0.4	1.1	0.6	0.00	0.00	0.00	1.6	SE
3/5/2024 12:54:00	0.5	1.1	0.6	0.00	0.00	0.00	1.6	SSE
3/5/2024 12:55:00	0.5	1.0	0.6	0.00	0.00	0.00	1.6	ESE
3/5/2024 12:56:00	0.4	1.1	0.7	0.00	0.00	0.00	1.6	SE
3/5/2024 12:57:00	0.3	1.1	0.8	0.00	0.00	0.00	1.6	NNE
3/5/2024 12:58:00	0.4	1.0	0.6	0.00	0.00	0.00	1.6	SSE
3/5/2024 12:59:00	0.4	0.9	0.6	0.00	0.00	0.00	1.6	SE
3/5/2024 13:00:00	0.3	0.9	0.6	0.00	0.00	0.00	1.6	S
3/5/2024 13:01:00	0.3	0.9	0.6	0.00	0.00	0.00	1.7	ESE
3/5/2024 13:02:00	0.3	0.8	0.5	0.00	0.00	0.00	1.7	ESE
3/5/2024 13:03:00	0.3	0.8	0.5	0.00	0.00	0.00	1.7	W
3/5/2024 13:04:00	0.4	0.7	0.3	0.00	0.00	0.00	1.6	W
3/5/2024 13:05:00	0.5	0.6	0.1	0.00	0.00	0.00	1.7	SE
3/5/2024 13:06:00	0.5	0.5	0.1	0.00	0.00	0.00	1.7	ESE



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/5/2024 13:07:00	0.3	0.5	0.1	0.00	0.00	0.00	1.7	ESE
3/5/2024 13:08:00	0.4	0.4	0.0	0.00	0.00	0.00	1.8	SSE
3/5/2024 13:09:00	0.3	0.4	0.1	0.00	0.00	0.00	1.8	S
3/5/2024 13:10:00	0.3	0.3	0.1	0.00	0.00	0.00	1.8	ENE
3/5/2024 13:11:00	0.3	0.3	0.0	0.00	0.00	0.00	1.8	ESE
3/5/2024 13:12:00	0.3	0.2	-0.1	0.00	0.00	0.00	1.8	ESE
3/5/2024 13:13:00	0.2	0.2	0.0	0.00	0.00	0.00	1.8	S
3/5/2024 13:14:00	0.2	0.2	-0.1	0.00	0.00	0.00	1.9	S
3/5/2024 13:15:00	0.2	0.2	0.0	0.00	0.00	0.00	1.9	E
3/5/2024 13:16:00	0.2	0.1	-0.1	0.00	0.00	0.00	1.8	S
3/5/2024 13:17:00	0.2	0.1	-0.1	0.00	0.00	0.00	1.8	ESE
3/5/2024 13:18:00	0.1	0.0	-0.1	0.00	0.00	0.00	1.8	E
3/5/2024 13:19:00	0.3	0.0	-0.3	0.00	0.00	0.00	1.7	WSW
3/5/2024 13:20:00	0.3	0.1	-0.2	0.00	0.00	0.00	1.7	ESE
3/5/2024 13:21:00	0.3	0.1	-0.2	0.00	0.00	0.00	1.7	ESE
3/5/2024 13:22:00	0.3	0.0	-0.2	0.00	0.00	0.00	1.8	ESE
3/5/2024 13:23:00	0.3	0.0	-0.2	0.00	0.00	0.00	1.7	SSE
3/5/2024 13:24:00	0.3	0.0	-0.2	0.00	0.00	0.00	1.7	E
3/5/2024 13:25:00	0.3	0.0	-0.2	0.00	0.00	0.00	1.7	S
3/5/2024 13:26:00	0.3	0.0	-0.2	0.00	0.00	0.00	1.7	E
3/5/2024 13:27:00	0.3	0.0	-0.2	0.00	0.00	0.00	1.7	ESE
3/5/2024 13:28:00	0.3	0.0	-0.2	0.00	0.00	0.00	1.7	ESE
3/5/2024 13:29:00	0.3	0.0	-0.2	0.00	0.00	0.00	1.7	SW
3/5/2024 13:30:00	0.3	0.1	-0.2	0.00	0.00	0.00	1.7	ESE
3/5/2024 13:31:00	0.3	0.1	-0.1	0.00	0.00	0.00	1.7	NNE
3/5/2024 13:32:00	0.3	0.3	-0.1	0.00	0.00	0.00	1.8	E
3/5/2024 13:33:00	0.5	0.3	-0.2	0.00	0.00	0.00	1.8	WNW
3/5/2024 13:34:00	0.4	0.3	-0.1	0.00	0.00	0.00	1.9	WSW
3/5/2024 13:35:00	0.3	0.3	0.0	0.00	0.00	0.00	1.9	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/5/2024 13:36:00	0.3	0.4	0.0	0.00	0.00	0.00	1.9	ESE
3/5/2024 13:37:00	0.4	0.4	0.1	0.00	0.00	0.00	1.9	ESE
3/5/2024 13:38:00	1.4	0.6	-0.8	0.00	0.00	0.00	1.9	E
3/5/2024 13:39:00	2.1	0.8	-1.2	0.01	0.00	-0.01	1.9	E
3/5/2024 13:40:00	2.4	1.1	-1.3	0.01	0.00	-0.01	2.0	E
3/5/2024 13:41:00	2.7	1.4	-1.3	0.01	0.00	-0.01	2.0	E
3/5/2024 13:42:00	2.9	1.7	-1.2	0.01	0.00	-0.01	1.9	SW
3/5/2024 13:43:00	3.1	1.7	-1.3	0.01	0.00	-0.01	1.9	ESE
3/5/2024 13:44:00	3.1	1.8	-1.3	0.01	0.00	-0.01	1.9	ESE
3/5/2024 13:45:00	3.2	1.8	-1.4	0.01	0.00	-0.01	1.9	E
3/5/2024 13:46:00	3.2	1.8	-1.4	0.01	0.00	-0.01	1.9	ESE
3/5/2024 13:47:00	3.1	1.7	-1.5	0.01	0.00	-0.01	1.8	SSW
3/5/2024 13:48:00	3.0	1.7	-1.3	0.01	0.00	-0.01	1.9	ESE
3/5/2024 13:49:00	2.9	1.7	-1.2	0.01	0.00	-0.01	1.8	SSE
3/5/2024 13:50:00	3.0	1.7	-1.2	0.01	0.00	-0.01	1.8	ESE
3/5/2024 13:51:00	2.9	1.7	-1.2	0.01	0.00	-0.01	1.8	E
3/5/2024 13:52:00	2.9	1.7	-1.2	0.01	0.00	-0.01	1.8	E
3/5/2024 13:53:00	1.8	1.6	-0.3	0.01	0.00	-0.01	1.7	SE
3/5/2024 13:54:00	1.3	1.4	0.1	0.00	0.00	0.00	1.7	E
3/5/2024 13:55:00	0.9	1.1	0.2	0.00	0.00	0.00	1.6	SE
3/5/2024 13:56:00	0.6	0.9	0.2	0.00	0.00	0.00	1.6	ESE
3/5/2024 13:57:00	0.5	0.6	0.2	0.00	0.00	0.00	1.6	ESE
3/5/2024 13:58:00	0.3	0.6	0.3	0.00	0.00	0.00	1.6	NW
3/5/2024 13:59:00	0.3	0.5	0.3	0.00	0.00	0.00	1.6	E
3/5/2024 14:00:00	0.2	0.5	0.3	0.00	0.00	0.00	1.6	WSW
3/5/2024 14:01:00	0.2	0.4	0.3	0.00	0.00	0.00	1.6	SE
3/5/2024 14:02:00	0.2	0.4	0.3	0.00	0.00	0.00	1.6	N
3/5/2024 14:03:00	0.2	0.4	0.3	0.00	0.00	0.00	1.5	E
3/5/2024 14:04:00	0.1	0.4	0.3	0.00	0.00	0.00	1.5	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
3/5/2024 14:05:00	0.1	0.3	0.2	0.00	0.00	0.00	1.5	SE
3/5/2024 14:06:00	0.1	0.3	0.2	0.00	0.00	0.00	1.5	SE
3/5/2024 14:07:00	0.1	0.3	0.1	0.00	0.00	0.00	1.4	WNW
3/5/2024 14:08:00	0.1	0.2	0.1	0.00	0.00	0.00	1.3	WSW
3/5/2024 14:09:00	0.1	0.3	0.2	0.00	0.00	0.00	1.3	ESE
3/5/2024 14:10:00	0.2	0.2	0.0	0.00	0.00	0.00	1.3	S
3/5/2024 14:11:00	0.2	0.2	0.0	0.00	0.00	0.00	1.3	ESE
3/5/2024 14:12:00	0.2	0.3	0.1	0.00	0.00	0.00	1.2	E
3/5/2024 14:13:00	0.2	0.4	0.2	0.00	0.00	0.00	1.2	E
3/5/2024 14:14:00	0.2	0.4	0.2	0.00	0.00	0.00	1.2	E
3/5/2024 14:15:00	0.2	0.5	0.3	0.00	0.00	0.00	1.2	SE
3/5/2024 14:16:00	0.2	0.5	0.3	0.00	0.00	0.00	1.2	E
3/5/2024 14:17:00	0.2	0.6	0.4	0.00	0.00	0.00	1.2	ESE
3/5/2024 14:18:00	0.3	0.6	0.3	0.00	0.00	0.00	1.2	WNW
3/5/2024 14:19:00	0.3	0.7	0.4	0.00	0.00	0.00	1.3	ESE
3/5/2024 14:20:00	0.4	0.7	0.3	0.00	0.00	0.00	1.3	SSW
3/5/2024 14:21:00	0.4	0.8	0.4	0.00	0.00	0.00	1.4	E
3/5/2024 14:22:00	0.4	0.9	0.5	0.00	0.00	0.00	1.4	E
3/5/2024 14:23:00	0.3	1.0	0.6	0.00	0.00	0.00	1.4	ESE
3/5/2024 14:24:00	0.4	0.9	0.6	0.00	0.00	0.00	1.4	E
3/5/2024 14:25:00	0.3	1.1	0.8	0.00	0.00	0.00	1.4	ESE
3/5/2024 14:26:00	0.3	1.2	0.9	0.00	0.00	0.00	1.5	ESE
3/5/2024 14:27:00	0.6	1.2	0.6	0.00	0.00	0.00	1.5	SSE
3/5/2024 14:28:00	0.6	1.9	1.3	0.00	0.00	0.00	1.5	ESE
3/5/2024 14:29:00	0.7	2.0	1.4	0.00	0.00	0.00	1.6	ESE
3/5/2024 14:30:00	0.7	2.0	1.4	0.00	0.00	0.00	1.5	ESE
3/5/2024 14:31:00	0.6	2.0	1.4	0.00	0.00	0.00	1.6	E
3/5/2024 14:32:00	0.6	2.0	1.4	0.00	0.00	0.00	1.6	ESE
3/5/2024 14:33:00	0.5	2.0	1.5	0.00	0.00	0.00	1.6	SE



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
3/5/2024 14:34:00	0.5	1.9	1.4	0.00	0.00	0.00	1.6	E
3/5/2024 14:35:00	0.4	1.9	1.5	0.00	0.00	0.00	1.7	SE
3/5/2024 14:36:00	0.4	1.9	1.4	0.00	0.00	0.00	1.6	E
3/5/2024 14:37:00				0.00	0.00	0.00	1.6	E
3/5/2024 14:38:00				0.00	0.00	0.00	1.6	SSW
3/5/2024 14:39:00	0.5	1.5	1.0	0.00	0.00	0.00	1.5	W
3/5/2024 14:40:00	0.3	1.6	1.2	0.00	0.00	0.00	1.5	W
3/5/2024 14:41:00	0.9	1.1	0.3	0.00	0.00	0.00	1.4	ESE
3/5/2024 14:42:00	1.1	0.9	-0.1	0.00	0.00	0.00	1.5	ESE
3/5/2024 14:43:00	1.2	0.8	-0.4	0.00	0.00	0.00	1.5	SE
3/5/2024 14:44:00	1.3	0.7	-0.6	0.00	0.00	0.00	1.4	ESE
3/5/2024 14:45:00	1.3	0.6	-0.7	0.00	0.00	0.00	1.5	ESE
3/5/2024 14:46:00	1.3	0.5	-0.8	0.00	0.00	0.00	1.4	NE
3/5/2024 14:47:00	1.3	0.5	-0.8	0.00	0.00	0.00	1.4	E
3/5/2024 14:48:00	1.2	0.7	-0.5	0.00	0.00	0.00	1.3	SSW
3/5/2024 14:49:00	1.3	0.6	-0.7	0.00	0.00	0.00	1.3	E
3/5/2024 14:50:00	1.3	0.6	-0.7	0.00	0.00	0.00	1.3	E
3/5/2024 14:51:00	1.3	0.5	-0.8	0.00	0.00	0.00	1.3	E
3/5/2024 14:52:00	1.4	0.5	-0.9	0.00	0.00	0.00	1.3	NE
3/5/2024 14:53:00	1.4	0.5	-0.9	0.00	0.00	0.00	1.3	E