

Daily Progress Report #1
Courtyard Soils Removal
September 24, 2024
245 West 55th Street
Block 1027, Lot 7
New York, New York
Brownfield Cleanup Program Site #: C231157

1.0 Introduction

245 WEST 55TH ST LLC is currently redeveloping the existing 12 story, 6,000 square foot commercial building on Site. Construction activities include the demolition of the existing 12th story and bulkhead, construction of an additional six stories to the 11 stories and altering the building to residual use. The Site is part of New York's Brownfield Cleanup Program as a Volunteer.

As part of construction activities, JZN Engineering, of Springfield, New Jersey performed geotechnical investigations. Test pits were excavated to expose and evaluate the condition of the perimeter foundation. In two of the test pits, located in the "courtyard area" in the northeast corner of the property, fill materials, consisting of bricks and non-native soils, were observed in the soils. The courtyard area elevation is approximately six feet higher than the existing basement slab. Since the courtyard area will be removed as part of construction activities, excavation and soil removal is required to match the current basement elevation.

Based on the observation of non-native materials, Environmental Logic LLC (EL) conducted characterization sampling of the fill materials. The results of the sampling activities indicated that concentrations of select metals were detected above the New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 375 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCO). Therefore, removal of soils in the courtyard area requires proper transportation and disposal.

In an email dated August 20, 2024, NYSDEC provided an approved path forward to complete the soil excavation and disposal activities from the courtyard area. On September 16, 2024, EL provided email notification of the schedule for soil removal, along with the requested waste characterization data and disposal facility approval. On September 23, 2024, NYSDEC acknowledged the schedule for soil removal activities.

A community air monitoring plan (CAMP) is being implemented upwind and downwind of the soil excavation and handling activities. Procedures were conducted in accordance with the NYSDEC approved CAMP and in accordance with the August 20, 2024 email.

This daily report is being provided to document soil excavation and handling activities that occurred on September 24, 2024.

2.0 Update of Progress Made During the Reporting Day

Soil excavation was initiated in the courtyard area. Approximately 15 cubic yards were removed from the courtyard area. A portion of this soil was staged adjacent to the courtyard area within the basement of the building. The remaining soil removed from the courtyard was transported via freight elevator to the 1st floor of the building and was staged inside the building ahead of the anticipated off-site disposal. It should be noted that no soil was disposed of off-site during the September 24, 2024 mobilization. Water was used throughout the soil excavation and handling activities to minimize dust.

At the end of the day, the courtyard area and stockpiles were covered with poly sheeting. No soil was removed from the building.

3.0 Photographic Documentation of Activities Completed During the Reporting Day

See Attached Photolog.

4.0 Identification of Samples Collected During the Reporting Day

None.

5.0 A Summary of CAMP Data, Including Elevated Concentrations and Response Actions

See attached. There were no readings above the NYSDEC approved CAMP 15-minute average action levels for VOCs or Particulate Matter (PM). As noted above, dust suppression methods were pre-emptively used during soil excavation and handling activities, to minimize dust/particulates.

6.0 Summary of Issues or Concerns

None.

6.0 Public Interactions/Interest

None.



Attachment - Photograph Log

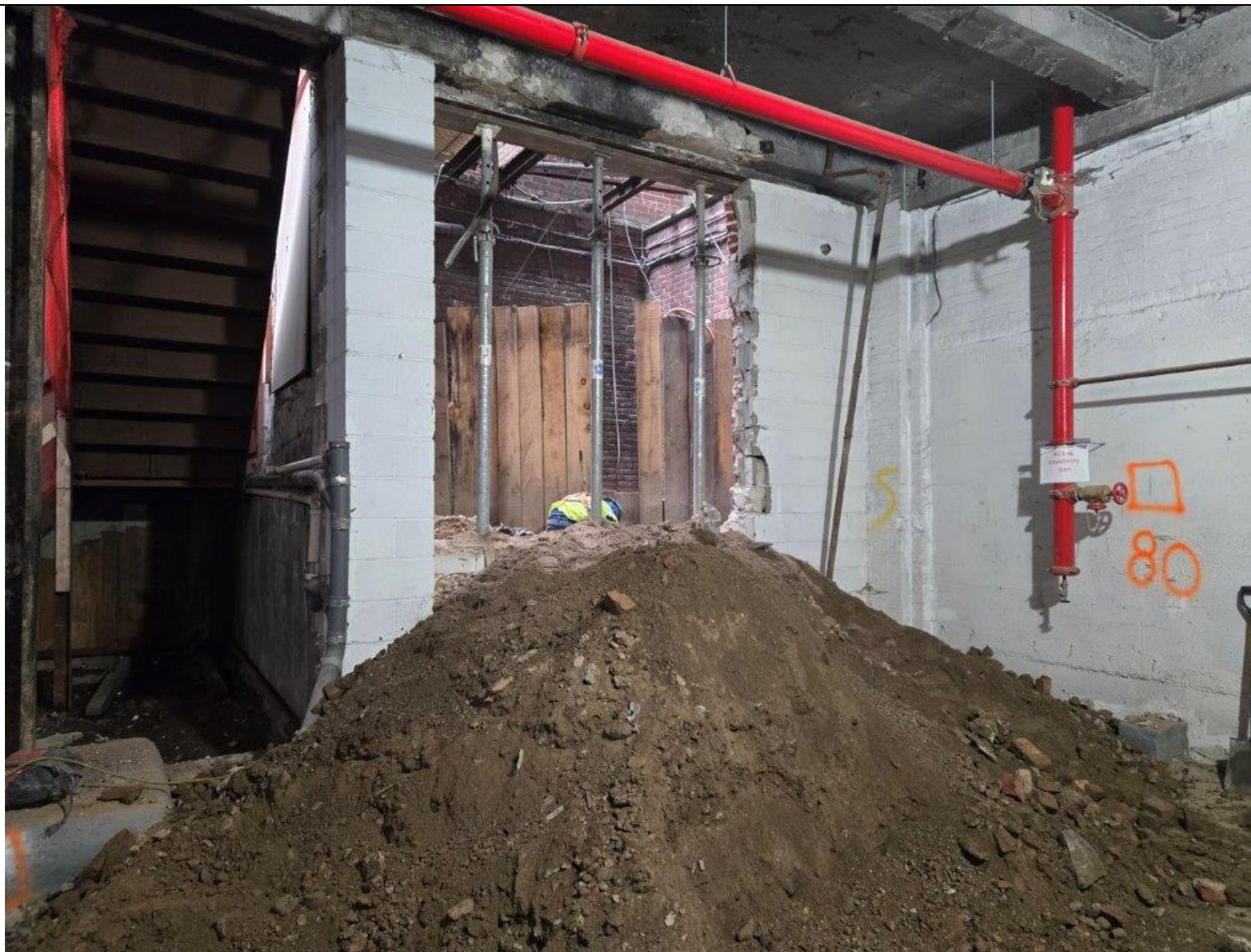



Photo 1:

Soil removed from courtyard, stockpiled adjacent to the southern wall of the courtyard.


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Attachment - Photograph Log



Photo 2:

Secondary soil stockpile area located inside the building.

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Attachment - Photograph Log



Photo 3:

Stockpile area adjacent to the courtyard.

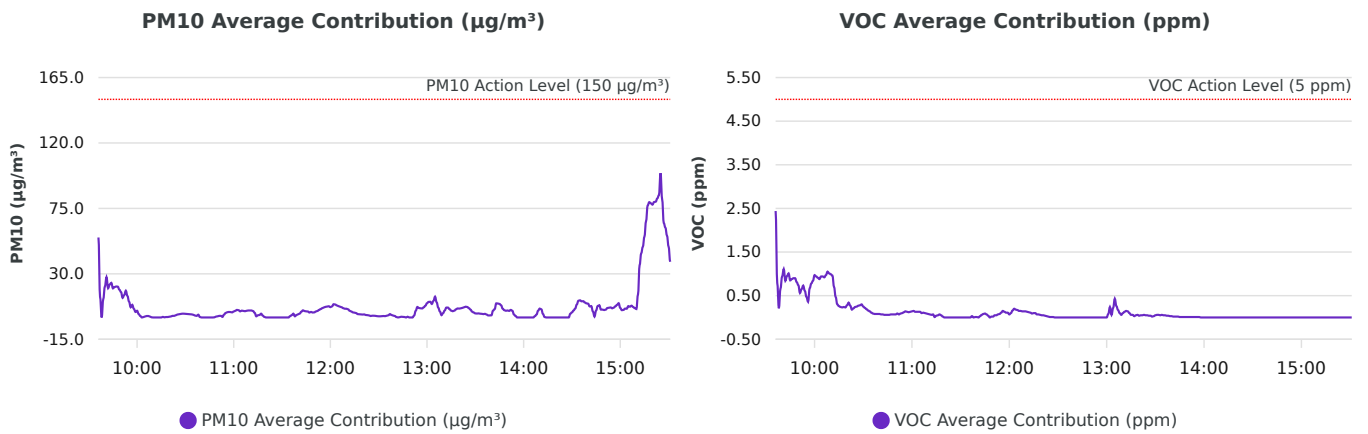
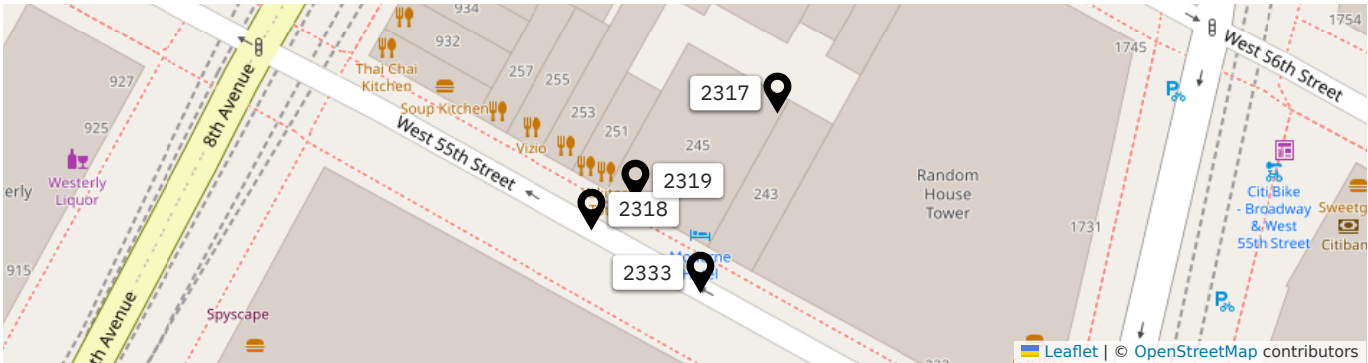
This photo was taken at the end of the workday; therefore, the stockpiled material was covered with plastic sheeting.

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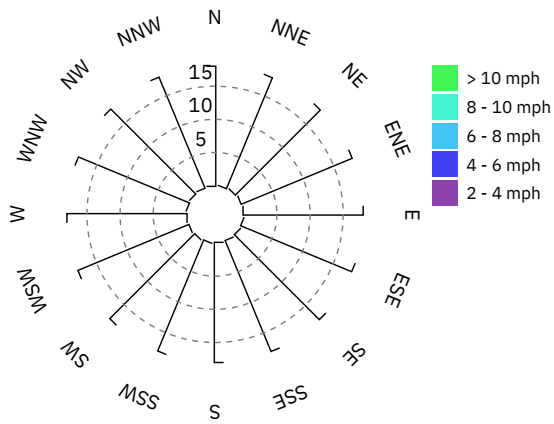
	Air Monitoring Report	245 W 55th Street Manhattan	
		Report Period	
		From:	9/24/2024 06:00
		To:	9/24/2024 18:00
		PM10 Action Level:	150.0 µg/m³
		VOC Action Level:	5.00 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
9/24/2024	0.1-0.8	ENE

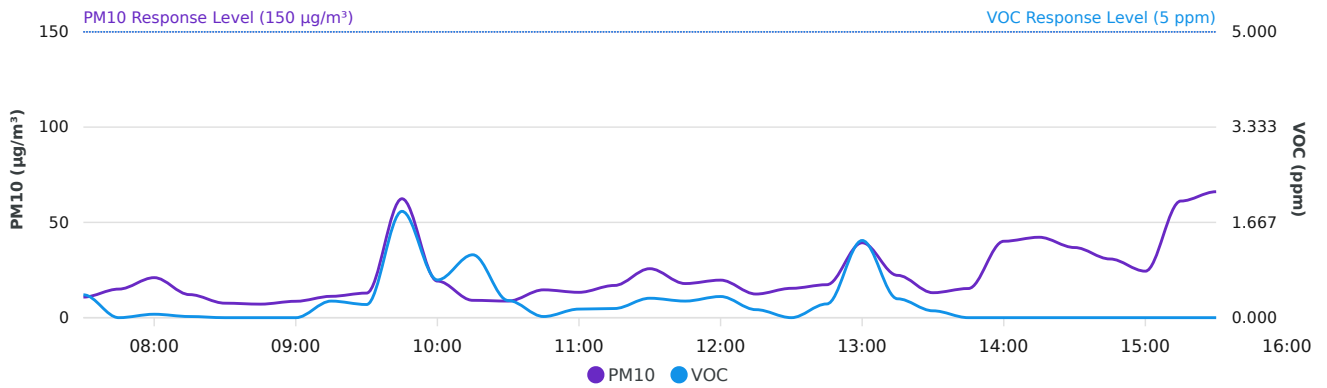
Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 9/24/2024	0.0	10:15	0.00	11:30
Max Contribution (15 min avg.) - 9/24/2024	55.6	15:15	0.97	10:00



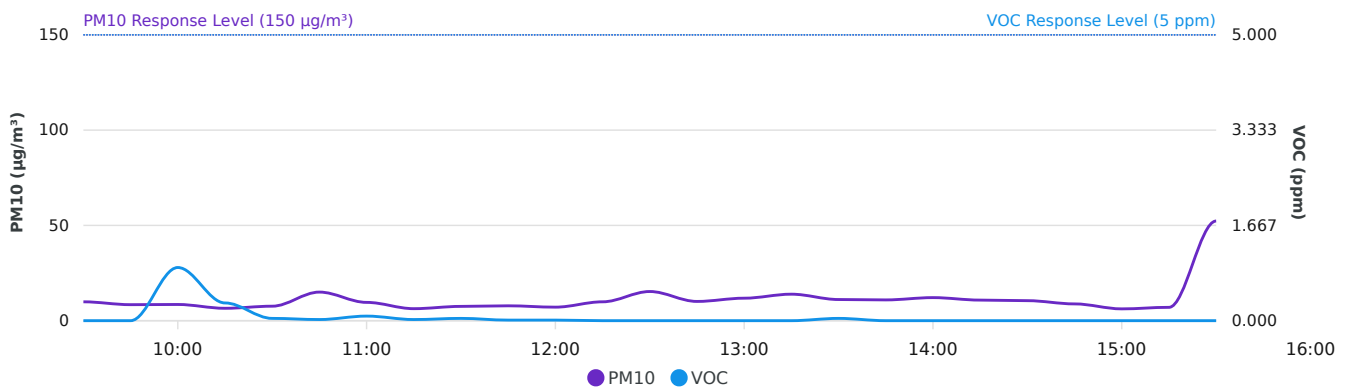
Contribution wind rose (mph)



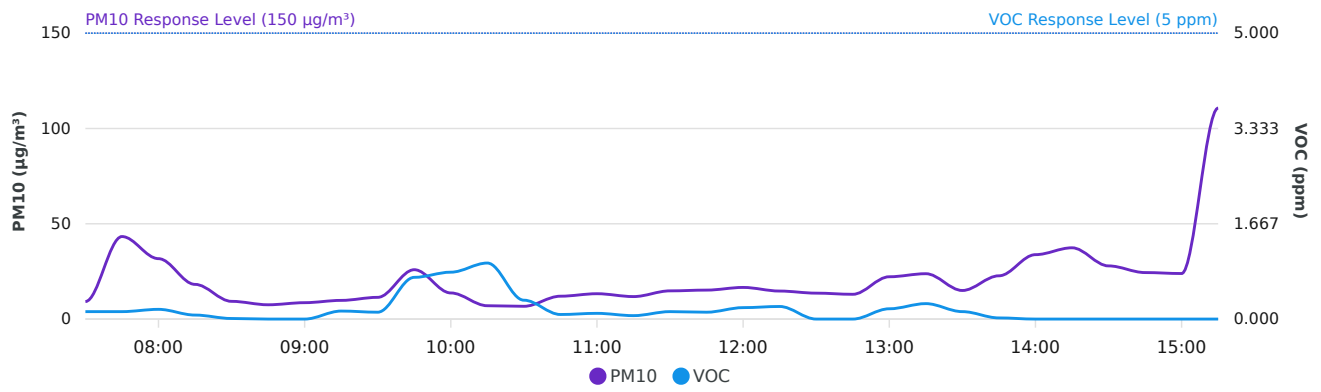
2317



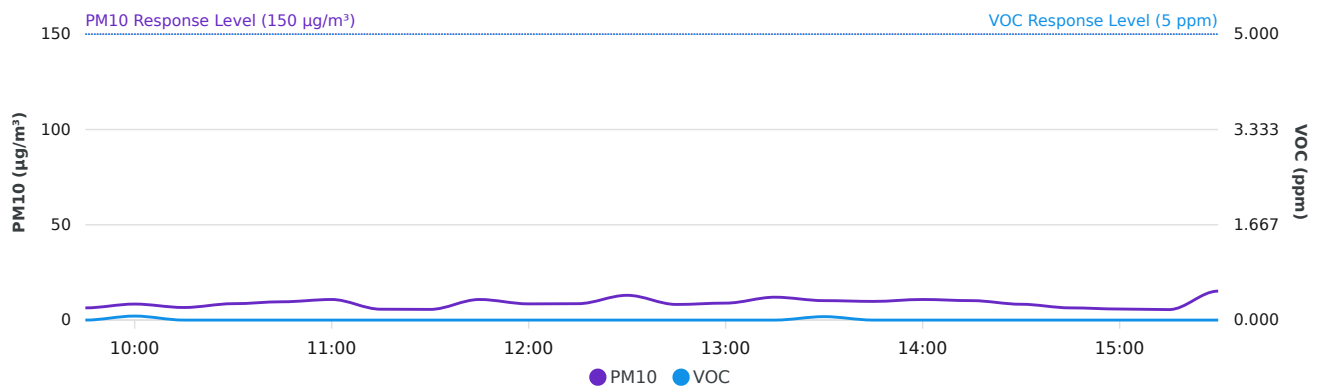
2318



2319



2333



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 15 min Avg
9/24/2024 09:45:00	26.4	46.4	20.0	0.69	1.54	0.85	0.1	WSW
9/24/2024 10:00:00	13.1	17.8	4.6	0.35	1.32	0.97	0.2	SE
9/24/2024 10:15:00	8.2	7.9	0.0	0.82	1.07	0.26	0.1	NE
9/24/2024 10:30:00	7.6	10.1	2.5	0.08	0.33	0.25	0.2	SSW
9/24/2024 10:45:00	15.8	15.4	0.0	0.02	0.08	0.06	0.1	E
9/24/2024 11:00:00	10.8	14.9	4.1	0.05	0.19	0.14	0.1	SSW
9/24/2024 11:15:00	11.7	13.2	1.5	0.07	0.12	0.04	0.1	SSE
9/24/2024 11:30:00	19.5	18.7	0.0	0.25	0.19	0.00	0.2	E
9/24/2024 11:45:00	13.2	17.4	4.2	0.13	0.23	0.09	0.0	NNE
9/24/2024 12:00:00	12.4	19.4	7.1	0.19	0.26	0.07	0.2	S
9/24/2024 12:15:00	11.5	14.8	3.3	0.12	0.22	0.10	0.2	NNE
9/24/2024 12:30:00	15.1	15.9	0.8	0.00	0.00	0.00	0.1	NNE
9/24/2024 12:45:00	14.2	14.6	0.4	0.21	0.04	0.00	0.1	NE
9/24/2024 13:00:00	21.9	31.7	9.8	0.73	0.70	0.00	0.2	ESE
9/24/2024 13:15:00	19.2	23.9	4.7	0.23	0.29	0.06	0.2	N
9/24/2024 13:30:00	12.4	15.2	2.8	0.09	0.14	0.05	0.1	ENE
9/24/2024 13:45:00	14.2	23.5	9.3	0.00	0.02	0.01	0.0	SE
9/24/2024 14:00:00	40.1	33.8	0.0	0.00	0.00	0.00	0.3	NNE
9/24/2024 14:15:00	40.8	37.4	0.0	0.00	0.00	0.00	0.3	NNE
9/24/2024 14:30:00	27.8	31.2	3.5	0.00	0.00	0.00	0.1	E
9/24/2024 14:45:00	22.3	27.1	4.8	0.00	0.00	0.00	0.1	NE
9/24/2024 15:00:00	18.7	25.3	6.5	0.00	0.00	0.00	0.1	E
9/24/2024 15:15:00	56.6	112.2	55.6	0.00	0.00	0.00	0.1	NE
9/24/2024 15:30:00	75.6	124.3	48.7	0.00	0.00	0.00	0.1	ENE

Date/Time	2317 PM10 µg/m³	2317 VOC ppm	2318 PM10 µg/m³	2318 VOC ppm	2319 PM10 µg/m³	2319 VOC ppm	2333 PM10 µg/m³	2333 VOC ppm	WD Cardinal (Avg Over Period)	Wind Speed (Avg Over Period)	Upwind (determined from avg period)	Downwind (determined from avg period)
24/09/2024 07:30	10.8	0.40			9.2	0.13						
24/09/2024 07:45	15.0	0.00			43.3	0.13						
24/09/2024 08:00	21.0	0.06			31.7	0.17						
24/09/2024 08:15	12.1	0.02			18.2	0.07						
24/09/2024 08:30	7.6	0.00			9.3	0.01						
24/09/2024 08:45	7.1	0.00			7.5	0.00						
24/09/2024 09:00	8.6	0.00			8.6	0.00						
24/09/2024 09:15	11.2	0.29			9.8	0.14						
24/09/2024 09:30	12.9	0.23	9.9	0.00	11.4	0.12						
24/09/2024 09:45	62.4	1.86	8.4	0.00	25.9	0.73	6.4	0.00	WSW	0.1	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 10:00	19.2	0.66	8.5	0.93	13.7	0.82	8.4	0.07	SE	0.2	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
24/09/2024 10:15	9.1	1.10	6.5	0.31	7.0	0.98	6.6	0.00	NE	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 10:30	8.7	0.30	7.6	0.04	6.7	0.33	8.6	0.00	SSW	0.2	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
24/09/2024 10:45	14.6	0.02	15.0	0.02	12.0	0.08	9.6	0.00	E	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 11:00	13.3	0.15	9.6	0.08	13.3	0.10	10.8	0.00	SSW	0.1	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 11:15	16.9	0.16	6.3	0.02	11.8	0.06	5.7	0.00	SSE	0.1	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
24/09/2024 11:30	25.7	0.34	7.5	0.04	14.8	0.13	5.6	0.00	E	0.2	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 11:45	17.9	0.29	7.8	0.01	15.2	0.12	10.8	0.00	NNE	0.0	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 12:00	19.7	0.37	7.1	0.01	16.6	0.20	8.5	0.00	S	0.2	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
24/09/2024 12:15	12.4	0.14	9.9	0.00	14.7	0.22	8.6	0.00	NNE	0.2	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 12:30	15.4	0.00	15.3	0.00	13.6	0.00	13.0	0.00	NNE	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 12:45	17.3	0.24	10.1	0.00	13.0	0.00	8.2	0.00	NE	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)

Date/Time	2317 PM10 µg/m³	2317 VOC ppm	2318 PM10 µg/m³	2318 VOC ppm	2319 PM10 µg/m³	2319 VOC ppm	2333 PM10 µg/m³	2333 VOC ppm	WD Cardinal (Avg Over Period)	Wind Speed (Avg Over Period)	Upwind (determined from avg period)	Downwind (determined from avg period)
24/09/2024 13:00	39.3	1.35	11.8	0.00	22.2	0.18	8.9	0.00	ESE	0.2	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
24/09/2024 13:15	22.2	0.33	13.9	0.00	23.8	0.27	12.0	0.00	N	0.2	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 13:30	13.1	0.12	11.1	0.04	15.0	0.13	10.2	0.06	ENE	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 13:45	15.3	0.00	10.9	0.00	22.7	0.02	9.8	0.00	SE	0.0	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
24/09/2024 14:00	40.1	0.00	12.1	0.00	33.8	0.00	10.8	0.00	NNE	0.3	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 14:15	42.2	0.00	10.8	0.00	37.4	0.00	10.2	0.00	NNE	0.3	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 14:30	36.8	0.00	10.5	0.00	27.9	0.00	8.3	0.00	E	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 14:45	30.8	0.00	8.8	0.00	24.4	0.00	6.4	0.00	NE	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 15:00	24.4	0.00	6.2	0.00	23.9	0.00	5.8	0.00	E	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 15:15	61.2	0.00	7.0	0.00	110.7	0.00	5.5	0.00	NE	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
24/09/2024 15:30	66.1	0.00	52.3	0.00			15.2	0.00	ENE	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2333 (PM10; VOC)

Daily Progress Report #2
Courtyard Soils Removal
September 25, 2024
245 West 55th Street
Block 1027, Lot 7
New York, New York
Brownfield Cleanup Program Site #: C231157

1.0 Introduction

245 WEST 55TH ST LLC is currently redeveloping the existing 12 story, 6,000 square foot commercial building on Site. Construction activities include the demolition of the existing 12th story and bulkhead, construction of an additional six stories to the 11 stories and altering the building to residual use. The Site is part of New York's Brownfield Cleanup Program as a Volunteer.

As part of construction activities, JZN Engineering, of Springfield, New Jersey performed geotechnical investigations. Test pits were excavated to expose and evaluate the condition of the perimeter foundation. In two of the test pits, located in the "courtyard area" in the northeast corner of the property, fill materials, consisting of bricks and non-native soils, were observed in the soils. The courtyard area elevation is approximately six feet higher than the existing basement slab. Since the courtyard area will be removed as part of construction activities, excavation and soil removal is required to match the current basement elevation.

Based on the observation of non-native materials, Environmental Logic LLC (EL) conducted characterization sampling of the fill materials. The results of the sampling activities indicated that concentrations of select metals were detected above the New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 375 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCO). Therefore, removal of soils in the courtyard area requires proper transportation and disposal.

In an email dated August 20, 2024, NYSDEC provided an approved path forward to complete the soil excavation and disposal activities from the courtyard area. On September 16, 2024, EL provided email notification of the schedule for soil removal, along with the requested waste characterization data and disposal facility approval. On September 23, 2024, NYSDEC acknowledged the schedule for soil removal activities.

A community air monitoring plan (CAMP) is being implemented upwind and downwind of the soil excavation and handling activities. Procedures were conducted in accordance with the NYSDEC approved CAMP and in accordance with the August 20, 2024 email.

This daily report is being provided to document soil excavation and handling activities that occurred on September 25, 2024.

2.0 Update of Progress Made During the Reporting Day

Soil excavation activities continued in the courtyard area. An additional approximately 7.5 cubic yards were removed from the courtyard area. The soil removed from the courtyard was transported via freight elevator to the 1st floor of the building and was staged inside the building ahead of the anticipated off-site disposal. It should be noted that no soil was disposed of off-site on September 25, 2024. To date, a total of approximately 21 cubic yards of soil were removed from the courtyard area and staged inside on the 1st floor of the building. Water and green dust (a dust suppressant) were used throughout the soil excavation and handling activities to minimize dust.

At the end of the day, the courtyard area and 1st floor stockpile were covered with poly sheeting. No soil was removed from the building.

3.0 Photographic Documentation of Activities Completed During the Reporting Day

See Attached Photolog.

4.0 Identification of Samples Collected During the Reporting Day

None.

5.0 A Summary of CAMP Data, Including Elevated Concentrations and Response Actions

See attached. There were no readings above the NYSDEC approved CAMP 15-minute average action levels for VOCs (5ppm) or Particulate Matter (PM₁₀, at 150 µg/m³). As noted above, dust suppression methods were used during soil excavation and handling activities, to minimize dust/particulates.

6.0 Summary of Issues or Concerns

None.

6.0 Public Interactions/Interest

None.



Attachment - Photograph Log



Photo 1:

Green Dust and water were used as dust suppression methods during soil handling activities.

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Attachment - Photograph Log



Photo 2:

Ongoing excavation of soils from the courtyard area.
A previously installed test pit is visible in the upper right portion of the courtyard.

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245 West 55 th Street Manhattan, NY	23-0001	2 of 4	


Attachment - Photograph Log



Photo 3:

Courtyard soil excavation area.

This photo was taken at the end of the workday; therefore, the courtyard area was covered with plastic sheeting.

Site:	EL Project No.	Page No.	
245 West 55 th Street Manhattan, NY	23-0001	3 of 4	


Attachment - Photograph Log



Photo 4:

Stockpile area on the first floor of the building.

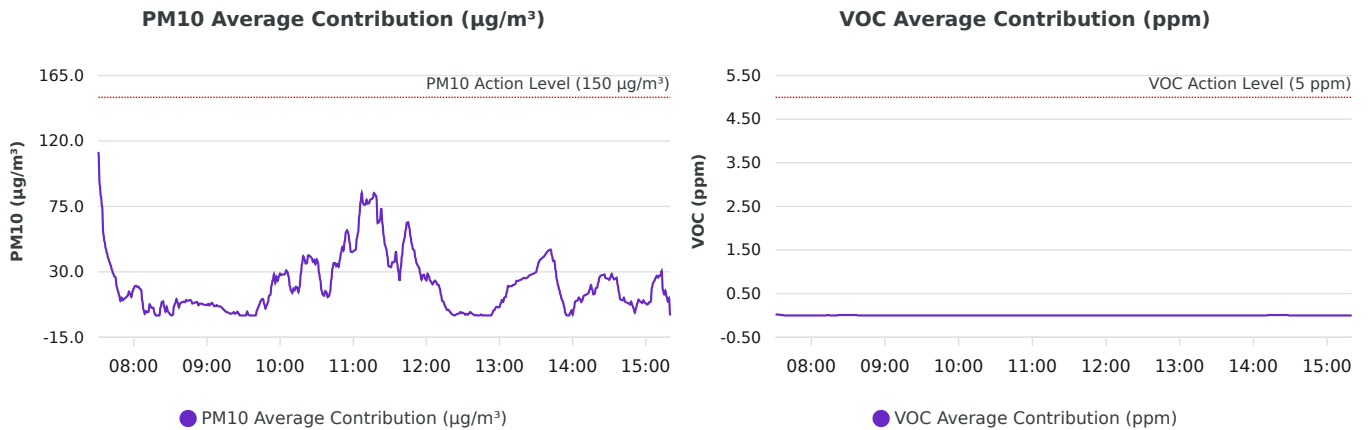
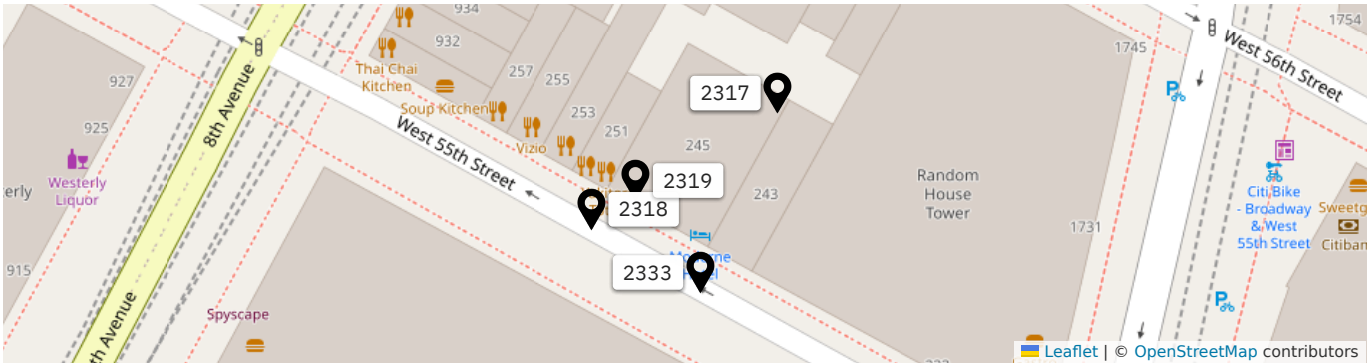
This photo was taken at the end of the workday; therefore, the stockpiled material was covered with plastic sheeting.

Site:	EL Project No.	Page No.	
245 West 55 th Street Manhattan, NY	23-0001	4 of 4	

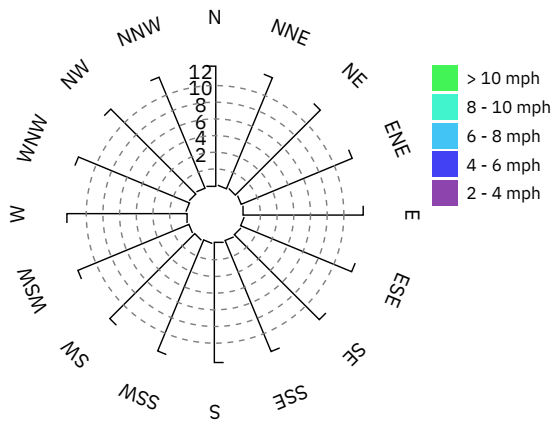
	Air Monitoring Report	245 W 55th Street Manhattan	
		Report Period	
		From:	9/25/2024 06:00
		To:	9/25/2024 18:00
		PM10 Action Level:	150.0 µg/m³
		VOC Action Level:	5.00 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
9/25/2024	0.1-1	SW

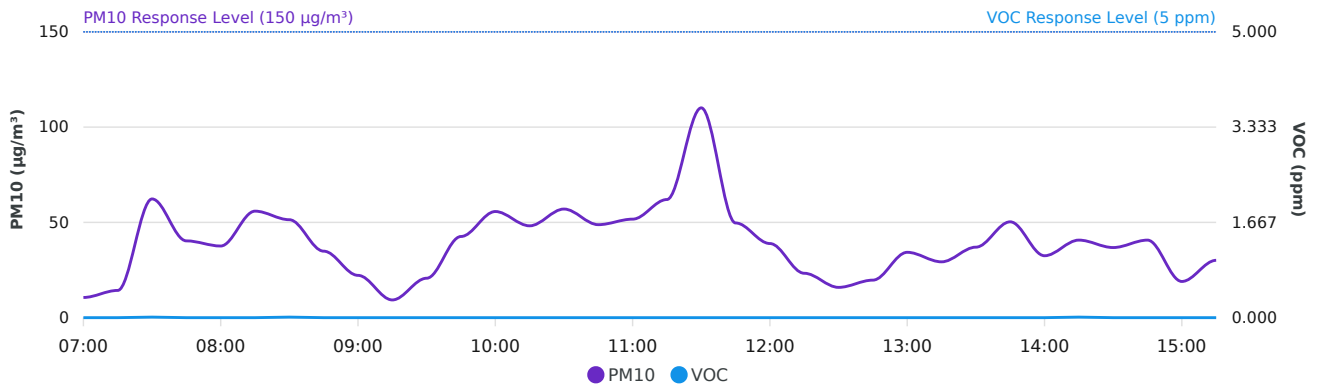
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 9/25/2024	0.0	09:30	0.00	07:45
Max Contribution (15 min avg.) - 9/25/2024	80.0	11:15	0.01	08:30



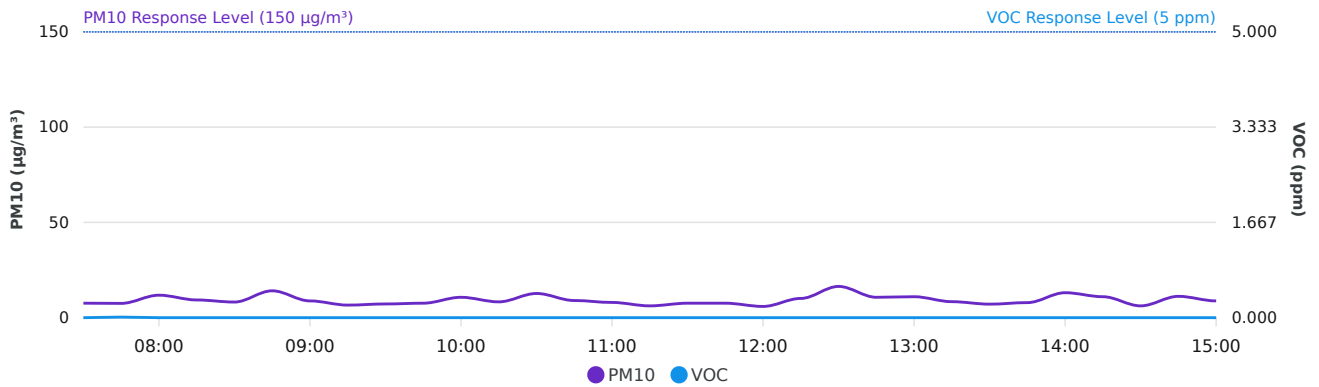
Contribution wind rose (mph)



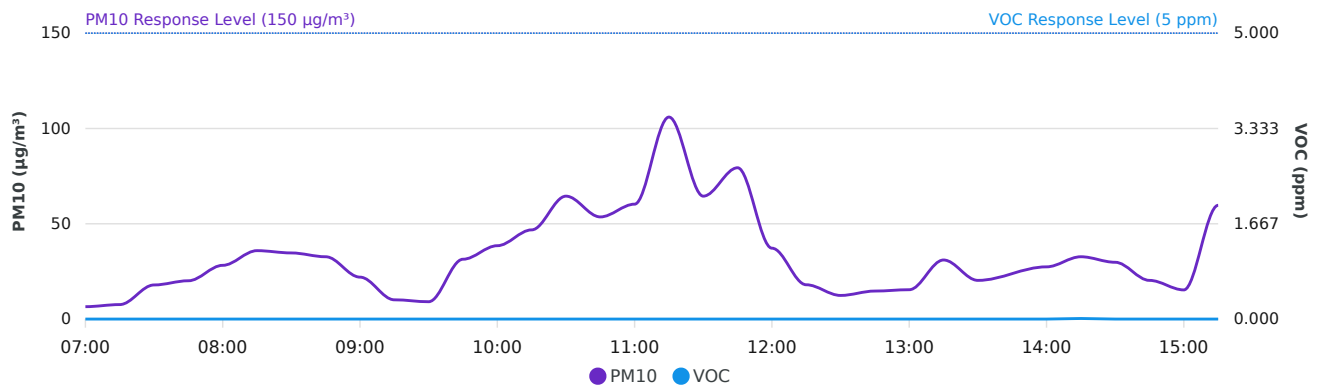
2317



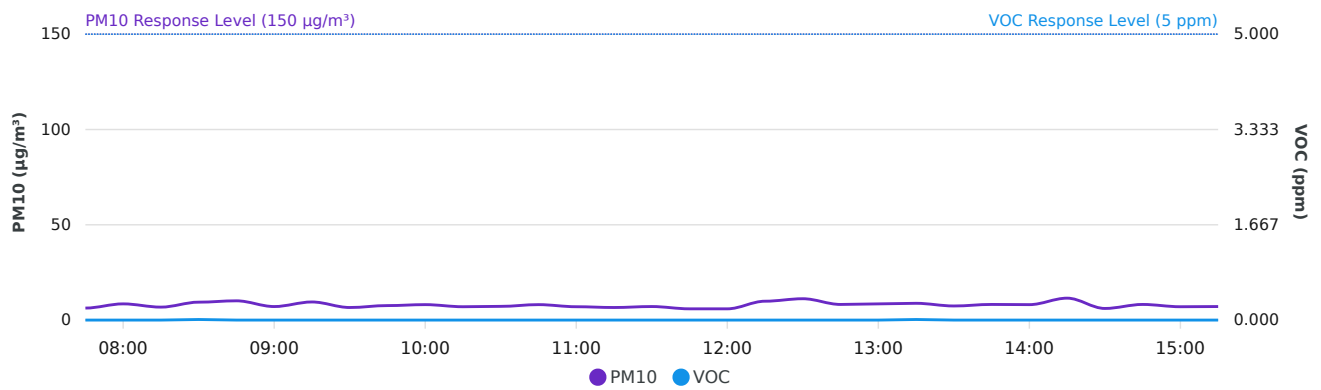
2318



2319



2333



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 15 min Avg
9/25/2024 07:45:00	12.8	39.0	26.2	0.01	0.01	0.00	0.1	WSW
9/25/2024 08:00:00	17.2	35.8	18.6	0.00	0.00	0.00	0.1	WSW
9/25/2024 08:15:00	37.3	42.4	5.1	0.00	0.00	0.00	0.1	WSW
9/25/2024 08:30:00	37.9	38.4	0.5	0.01	0.01	0.01	0.1	N
9/25/2024 08:45:00	23.7	33.9	10.2	0.00	0.00	0.00	0.1	W
9/25/2024 09:00:00	16.3	23.4	7.1	0.00	0.00	0.00	0.1	NNW
9/25/2024 09:15:00	8.8	11.7	3.0	0.00	0.00	0.00	0.2	NW
9/25/2024 09:30:00	17.3	11.9	0.0	0.00	0.00	0.00	0.1	NNW
9/25/2024 09:45:00	27.6	38.7	11.1	0.00	0.00	0.00	0.1	NNW
9/25/2024 10:00:00	24.0	52.8	28.8	0.00	0.00	0.00	0.1	NNW
9/25/2024 10:15:00	32.1	48.0	16.0	0.00	0.00	0.00	0.2	NNW
9/25/2024 10:30:00	27.6	66.2	38.6	0.00	0.00	0.00	0.1	WNW
9/25/2024 10:45:00	23.1	59.2	36.1	0.00	0.00	0.00	0.1	W
9/25/2024 11:00:00	18.0	62.1	44.1	0.00	0.00	0.00	0.2	W
9/25/2024 11:15:00	26.0	106.0	80.0	0.00	0.00	0.00	0.1	S
9/25/2024 11:30:00	56.2	89.8	33.6	0.00	0.00	0.00	0.2	NNW
9/25/2024 11:45:00	17.5	81.6	64.1	0.00	0.00	0.00	0.1	SSE
9/25/2024 12:00:00	18.0	42.1	24.1	0.00	0.00	0.00	0.3	S
9/25/2024 12:15:00	14.7	21.7	7.1	0.00	0.00	0.00	0.1	SW
9/25/2024 12:30:00	15.2	17.1	1.9	0.00	0.00	0.00	0.1	W
9/25/2024 12:45:00	15.8	16.5	0.7	0.00	0.00	0.00	0.2	NNW
9/25/2024 13:00:00	20.1	25.9	5.8	0.00	0.00	0.00	0.0	WSW
9/25/2024 13:15:00	8.6	32.3	23.7	0.00	0.00	0.00	0.4	S
9/25/2024 13:30:00	7.1	37.0	29.8	0.00	0.00	0.00	0.6	SSW
9/25/2024 13:45:00	13.7	51.2	37.6	0.00	0.00	0.00	0.3	WSW
9/25/2024 14:00:00	25.5	26.1	0.6	0.00	0.00	0.00	0.2	E
9/25/2024 14:15:00	19.1	39.8	20.8	0.00	0.01	0.01	0.2	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 15 min Avg
9/25/2024 14:30:00	14.3	38.8	24.5	0.00	0.00	0.00	0.3	S
9/25/2024 14:45:00	22.4	31.0	8.6	0.00	0.00	0.00	0.3	S
9/25/2024 15:00:00	10.0	18.4	8.4	0.00	0.00	0.00	0.4	SSE
9/25/2024 15:15:00	32.8	47.4	14.6	0.00	0.00	0.00	0.2	SSE

Date/Time	2317 PM10 µg/m³	2317 VOC ppm	2318 PM10 µg/m³	2318 VOC ppm	2319 PM10 µg/m³	2319 VOC ppm	2333 PM10 µg/m³	2333 VOC ppm	WD Cardinal (Avg Over Period)	Wind Speed (Avg Over Period)	Upwind (determined from avg period)	Downwind (determined from avg period)
25/09/2024 07:00	10.6	0.00			6.5	0.00						
25/09/2024 07:15	14.3	0.00			7.6	0.00						
25/09/2024 07:30	62.3	0.01	7.6	0.00	17.9	0.00						
25/09/2024 07:45	40.3	0.00	7.5	0.01	20.1	0.00	6.3	0.00	WSW	0.1	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 08:00	37.6	0.00	11.8	0.00	28.2	0.00	8.5	0.00	WSW	0.1	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 08:15	55.9	0.00	9.3	0.00	35.9	0.00	6.8	0.00	WSW	0.1	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 08:30	51.4	0.01	8.2	0.00	34.7	0.00	9.4	0.01	N	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 08:45	34.9	0.00	14.1	0.00	32.7	0.00	10.1	0.00	W	0.1	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 09:00	22.2	0.00	8.8	0.00	22.0	0.00	7.1	0.00	NNW	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 09:15	9.3	0.00	6.6	0.00	10.1	0.00	9.5	0.00	NW	0.2	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 09:30	20.7	0.00	7.2	0.00	9.1	0.00	6.6	0.00	NNW	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 09:45	42.6	0.00	7.6	0.00	31.4	0.00	7.6	0.00	NNW	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 10:00	55.7	0.00	10.7	0.00	38.5	0.00	8.1	0.00	NNW	0.1	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 10:15	48.2	0.00	8.3	0.00	46.8	0.00	7.0	0.00	NNW	0.2	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 10:30	57.0	0.00	12.7	0.00	64.5	0.00	7.2	0.00	WNW	0.1	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 10:45	48.8	0.00	9.0	0.00	53.6	0.00	8.1	0.00	W	0.1	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 11:00	51.7	0.00	8.0	0.00	60.3	0.00	7.0	0.00	W	0.2	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 11:15	62.0	0.00	6.2	0.00	106.0	0.00	6.6	0.00	S	0.1	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
25/09/2024 11:30	110.1	0.00	7.6	0.00	64.5	0.00	7.1	0.00	NNW	0.2	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 11:45	49.7	0.00	7.6	0.00	79.4	0.00	5.9	0.00	SSE	0.1	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)

Date/Time	2317 PM10 µg/m³	2317 VOC ppm	2318 PM10 µg/m³	2318 VOC ppm	2319 PM10 µg/m³	2319 VOC ppm	2333 PM10 µg/m³	2333 VOC ppm	WD Cardinal (Avg Over Period)	Wind Speed (Avg Over Period)	Upwind (determined from avg period)	Downwind (determined from avg period)
25/09/2024 12:00	38.9	0.00	5.9	0.00	37.2	0.00	5.9	0.00	S	0.3	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
25/09/2024 12:15	23.3	0.00	10.1	0.00	18.0	0.00	9.9	0.00	SW	0.1	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 12:30	15.9	0.00	16.4	0.00	12.4	0.00	11.2	0.00	W	0.1	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 12:45	19.7	0.00	10.7	0.00	14.7	0.00	8.2	0.00	NNW	0.2	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 13:00	34.3	0.00	11.0	0.00	15.4	0.00	8.5	0.00	WSW	0.0	2318 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 13:15	29.3	0.00	8.4	0.00	31.0	0.00	8.8	0.01	S	0.4	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
25/09/2024 13:30	37.0	0.00	7.1	0.00	20.3	0.00	7.4	0.00	SSW	0.6	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
25/09/2024 13:45	50.3	0.00	7.9	0.00			8.2	0.00	WSW	0.3	2318 (PM10; VOC)	2317 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 14:00	32.5	0.00	13.1	0.00	27.4	0.00	8.1	0.00	E	0.2	2317 (PM10; VOC)	2318 (PM10; VOC); 2319 (PM10; VOC); 2333 (PM10; VOC)
25/09/2024 14:15	40.7	0.01	11.0	0.00	32.7	0.01	11.5	0.00	S	0.2	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
25/09/2024 14:30	36.8	0.00	6.2	0.00	29.8	0.00	6.1	0.00	S	0.3	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
25/09/2024 14:45	40.7	0.00	11.2	0.00	20.3	0.00	8.2	0.00	S	0.3	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
25/09/2024 15:00	19.0	0.00	8.8	0.00	15.3	0.00	7.0	0.00	SSE	0.4	2333 (PM10; VOC)	2317 (PM10; VOC); 2318 (PM10; VOC); 2319 (PM10; VOC)
25/09/2024 15:15	30.1	0.00			59.7	0.00	7.1	0.00	SSE	0.2	2333 (PM10; VOC)	2317 (PM10; VOC); 2319 (PM10; VOC)