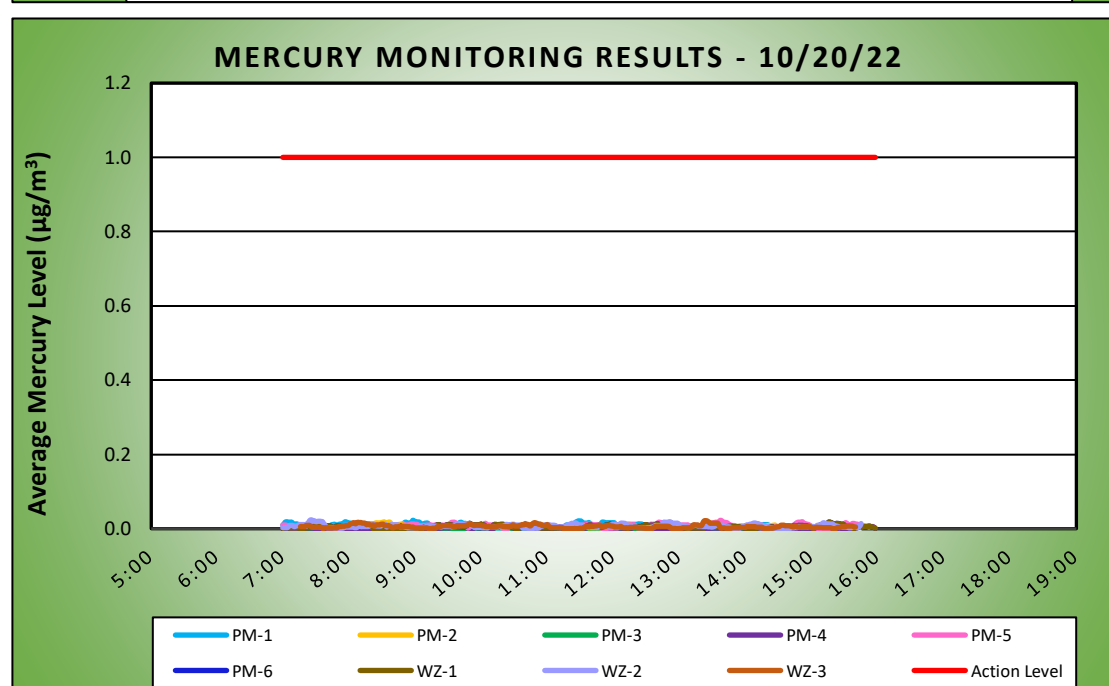
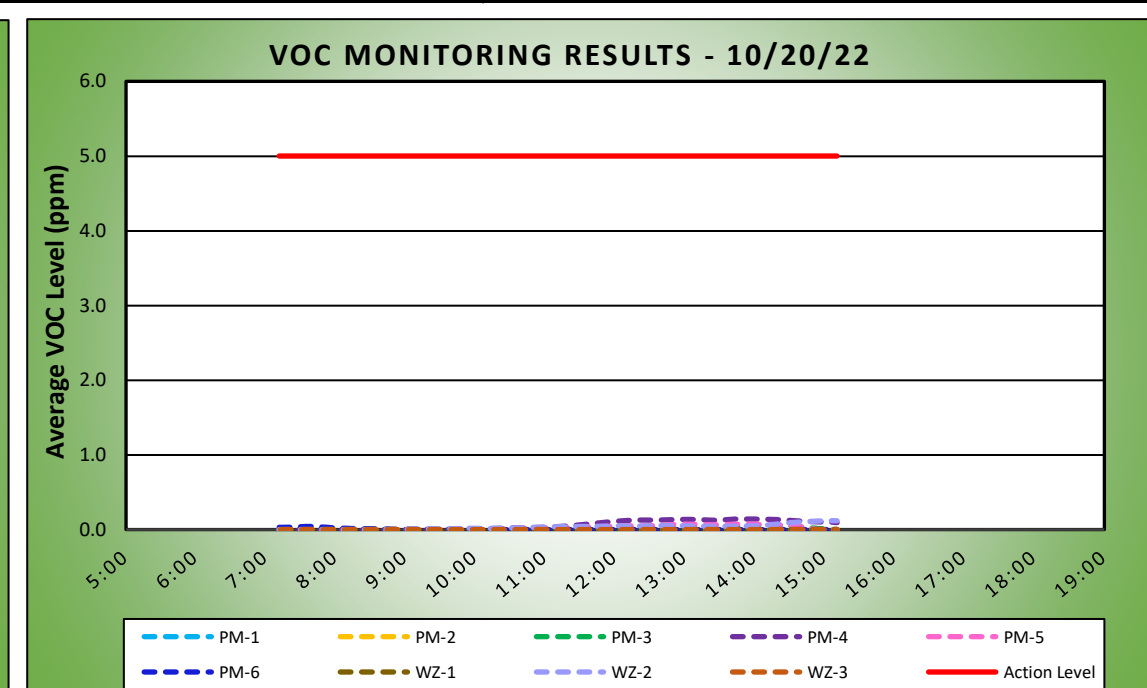
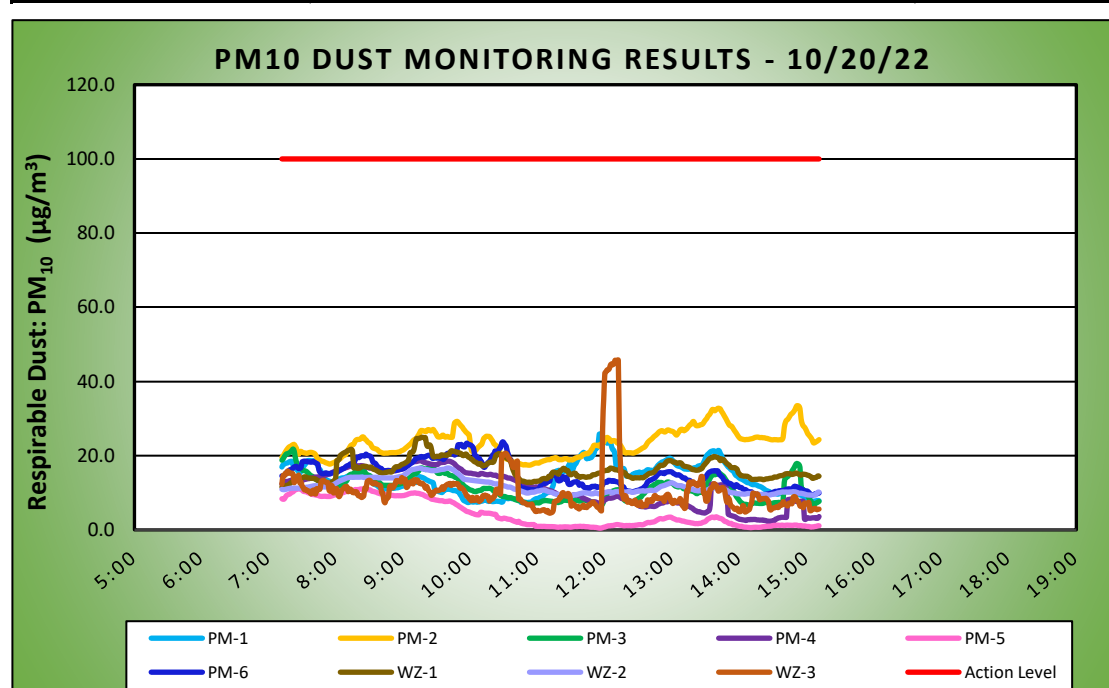


	<b>DAILY AIR MONITORING REPORT</b>			10/20/22	
	<b>250 Water Street Remediation Site</b>			Project number: 170381202	
	<b>Manhattan, New York</b>			Page 1 of 2	
				Submitted By: _____	
				Rev. No. 0	
			Dust Action Level ( $\mu\text{g}/\text{m}^3$ )		100
			VOC Action Level (ppm)		5
			Hg Action Level ( $\mu\text{g}/\text{m}^3$ )		1.0

Weather Data Range for Work Day		Wind Direction	W	Relative Humidity (%)	30.4 - 71.8	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	45.3 - 60.0	Wind Speed (MPH)	0.8 - 6.7	Barometer (inHg)	30.00 - 30.09			

Station Location Work Area	Daily Avg. Dust Concentration ( $\mu\text{g}/\text{m}^3$ )	Max 15 Minute Dust Concentration ( $\mu\text{g}/\text{m}^3$ )	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Minute VOC Concentration (ppm)	Time of Max 15 Minute Avg VOC Reading
PM-1	13.7	25.9	11:56	0.0	0.0	7:12
PM-2	23.4	33.5	14:52	0.0	0.0	7:12
PM-3	11.4	21.8	7:22	0.0	0.1	14:07
PM-4	10.9	18.6	9:15	0.1	0.1	13:48
PM-5	4.4	11.0	7:27	0.0	0.1	13:52
PM-6	14.9	23.8	10:29	0.0	0.0	7:42
WZ-1	16.3	25.0	9:17	0.0	0.0	7:12
WZ-2	11.7	16.7	9:40	0.0	0.1	15:07
WZ-3	10.6	45.8	12:12	0.0	0.0	10:42

Station Location Work Area	Daily Avg. Mercury Concentration ( $\mu\text{g}/\text{m}^3$ )	Max 15 Minute Mercury Concentration ( $\mu\text{g}/\text{m}^3$ )	Time of Max 15 Minute Avg Mercury Reading
PM-1	0.01	0.02	8:58
PM-2	0.00	0.02	8:32
PM-3	0.00	0.00	10:13
PM-4	0.00	0.01	10:24
PM-5	0.01	0.02	13:37
PM-6	0.01	0.02	15:16
WZ-1	0.01	0.02	15:16
WZ-2	0.01	0.02	7:26
WZ-3	0.01	0.02	13:23



**Air Monitoring Notes:**

Langan performed air monitoring at the perimeter of the site and at work zones at nine total locations for mercury vapor, volatile organic compounds (VOCs) and particulate matter less than 10 microns in diameter (PM10), during ground-intrusive activities. There were no fifteen-minute average concentrations for mercury vapor, VOCs, or PM10 that approached or exceeded the action levels established by the CAMP (1.00  $\mu\text{g}/\text{m}^3$ , 5.0 parts per million (ppm), and 0.100  $\text{mg}/\text{m}^3$  respectively).

**Background Concentrations**

Prior to implementation of ground-intrusive work each day, instantaneous background concentrations of mercury vapor and VOCs were recorded using a handheld Jerome® J505 mercury vapor analyzer and a handheld PID, respectively.

- Background concentrations of mercury vapor at each CAMP station ranged from 0.00  $\mu\text{g}/\text{m}^3$  to 0.07  $\mu\text{g}/\text{m}^3$ .
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

**Equipment Troubleshooting**

- PM10 and VOC concentrations were not recorded at perimeter CAMP station PM-6 and off-site CAMP station WZ-2 from 10:19am to 10:23am (5 minutes) and from 9:56am to 9:58am (3 minutes), respectively, to accommodate manual download of data from each unit. Fugitive dust or odors were not observed migrating from the site during these times.

**Ambient Air (Handheld Jerome® J505 and Handheld PID)**

- The dedicated mobile monitor (Langan) used a handheld Jerome® J505 mercury vapor analyzer to monitor ambient air conditions at various heights throughout the site. Instantaneous mercury vapor concentrations throughout the site ranged from 0.00  $\mu\text{g}/\text{m}^3$  to 0.14  $\mu\text{g}/\text{m}^3$ .

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. Instantaneous VOC concentrations were at or below background concentrations throughout the work day.

**CAMP Station Relocation**

- CAMP station WZ-1 was relocated to the northern sidewalk of Pearl Street from 6:57am to 3:11pm during backfilling activities in the north-central part of the site.

- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 6:57am to 3:11pm due to exposed soil/fill located within 20 feet of the eastern site boundary.

- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:58am to 3:11pm due to exposed soil/fill located within 20 feet of the southern site boundary.

**Prior to CAMP Shutdown**

Prior to discontinuing CAMP, air quality at each CAMP station was verified using the handheld PID and handheld Jerome® J505 mercury vapor analyzer and no readings above background concentrations were recorded. Additionally, areas of exposed soil/fill that have not been confirmed to meet Track 2 remediation criteria were covered with polyethylene sheeting and/or Atmos® AC-645 dust/vapor suppressing foam. CAMP stations were discontinued at 3:11pm at the conclusion of ground-intrusive activities.

- Mercury vapor concentrations at each CAMP station ranged from 0.00  $\mu\text{g}/\text{m}^3$  to 0.05  $\mu\text{g}/\text{m}^3$ .
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

