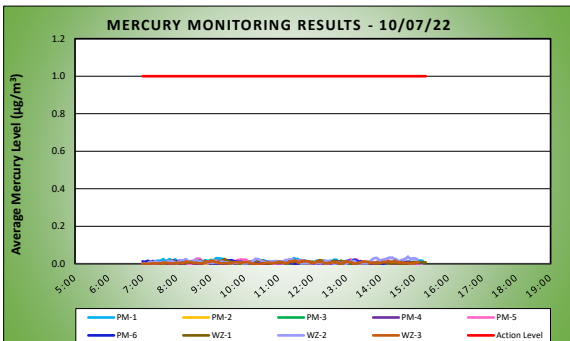
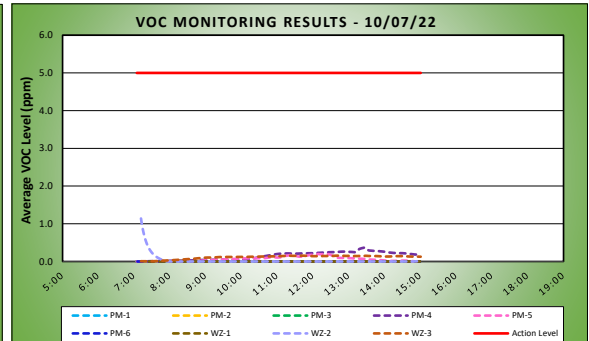
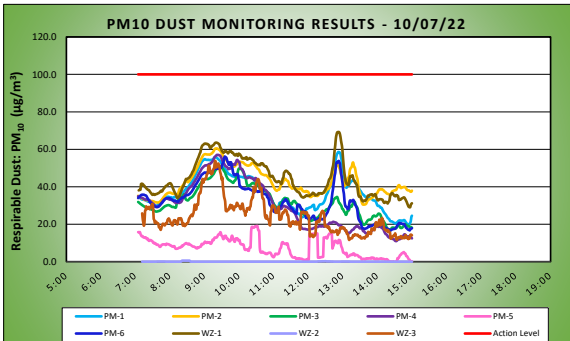


	DAILY AIR MONITORING REPORT		10/07/22	
	250 Water Street Remediation Site			
	Manhattan, New York			
	Project number: 170381202			Rev. No. 0
	Page 1 of 2			
Submitted By:			100	
Dust Action Level ($\mu\text{g}/\text{m}^3$)				
VOC Action Level (ppm)				
Hg Action Level ($\mu\text{g}/\text{m}^3$)			1.0	

Weather Data Range for Work Day		Wind Direction	NNE	Relative Humidity (%)	38.2 - 82.1	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	60.9 - 78.6	Wind Speed (MPH)	0.3 - 5.3	Barometer (inHg)	29.98 - 30.04			

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	36.7	58.5	12:52	0.0	0.0	7:05
PM-2	42.4	60.5	9:20	0.0	0.0	8:17
PM-3	31.4	51.3	9:25	0.0	0.0	7:05
PM-4	30.0	57.0	9:22	0.1	0.4	13:27
PM-5	7.6	19.1	10:31	0.1	0.2	12:10
PM-6	32.3	56.1	9:35	0.0	0.0	7:06
WZ-1	44.2	69.3	12:53	0.0	0.0	7:25
WZ-2	0.0	0.6	8:22	0.1	1.1	7:12
WZ-3	24.0	53.8	9:19	0.1	0.2	12:45

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	0.03	11:27
PM-2	0.00	0.02	9:05
PM-3	0.00	0.01	14:22
PM-4	0.00	0.01	11:53
PM-5	0.01	0.03	8:35
PM-6	0.01	0.02	13:15
WZ-1	0.01	0.03	9:24
WZ-2	0.01	0.04	14:49
WZ-3	0.01	0.02	11:29



Air Monitoring Notes:

Langan performed air monitoring at the perimeter of the site and at work zones at nine total locations for mercury vapor, 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 ppm and 0.100 mg/m^3 respectively).

Background Concentrations

- The Jerome[®] JS05 at off-site CAMP station WZ-2 did not transmit data through the remote telemetry system throughout the work day. The mercury vapor data from the Jerome[®] JS05 was manually downloaded at the end of the work day and is reflected in the Daily Air Monitoring Report. A Jerome[®] J405 was connected to telemetry to provide real-time mercury vapor data to field personnel while continuing to monitor the area with a Jerome[®] JS05 unit.
- Background concentrations of mercury vapor at each CAMP station were recorded at 0.00 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station ranged from 0.0 ppm to 0.2 ppm.

Equipment Troubleshooting

- The dedicated mobile monitor (Langan) used a handheld Jerome[®] JS05 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 0.09 $\mu\text{g}/\text{m}^3$.
- 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.

Ambient Air (Handheld Jerome[®] JS05 and Handheld PID)

- The dedicated mobile monitor (Langan) used a handheld Jerome[®] JS05 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 0.09 $\mu\text{g}/\text{m}^3$.
- 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 7:10am to 3:00pm due to exposed soil/fill within 20 feet of the northern site boundary.
- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 6:57am to 3:00pm during removal of steel sheet piles in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:57am to 3:00pm during removal of steel sheet piles in the southeastern part of the site.

Prior to CAMP Shutdown

- Prior to discontinuing CAMP, air quality at each CAMP station was verified using the handheld PID and handheld Jerome[®] JS05 mercury vapor analyzer and no readings above background concentrations were recorded. Additionally, areas of exposed soil/fill were covered with polyethylene sheeting and/or Atmos[®] AC-645 dust/vapor suppressing foam. CAMP stations were discontinued at 3:00pm 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.

