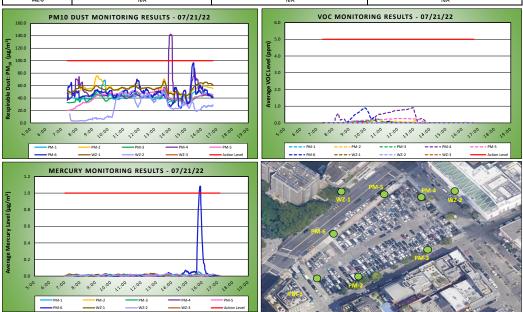


DAILY AIR MONITORING REPORT 250 Water Street Remediation Site

Manhattan, New York

07/21/22		
Project number: 170381202		
Page 1 of 2	Rev. No. 0	
Submitted By:		
Dust Action Level (µg/m³)	100	
VOC Action Level (ppm)	5	
Hg Action Level (µg/m³)	1.0	

Weather Data Range for Work Day		Wind Direction		WSW	Relative Humidity (%)	55.7	- 69.9	Doily	Poin (in)	0.00	Readings in the summary table and graphs	
Temp (°F)	81.1 - 89.0	Wind Spec	ed (MPH)	0.8 - 4.9	Barometer (inHg)	29.74	- 29.75	Daily Rain (in)		0.00	below are the reported downwind concentrations.	
Station Location Work Area	Daily Avg. Dust Concentration (µg/m³)				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	42.2		68.8		9:48		0.0		0.0		7:32	
PM-2	54.9		75.5		9:16		0.0		0.2		13:21	
PM-3	40.4		52.4		13:34		0.0		0.2		10:47	
PM-4	49.7		**142.6		14:01		0.2		0.9		12:58	
PM-5	41.8		41.8 55.		13:35		0	0.1			12:00	
PM-6	47.6	47.6		96.7	15:29			.1	0.9		9:55	
WZ-1		55.1		67.4	13:36		0.0		0.0		7:22	
WZ-2		25.8		52.1		11:33		0.0		0.0		13:38
WZ-3	N/A	N/A		N/A	N/A		N	N/A			N/A	
Station Location Work Area	Daily Avg. Mercury Concentration (μg/m³)		Max 15 Minute Mercury Concentration (µg/m³)				Time of Max 15 Minute Avg Mercury Reading					
PM-1	0.01			0.05				15:45				
PM-2	0.01				0.02			8:44				
PM-3	0.00				0.00				16:21			
PM-4	0.00			0.01				13:59				
PM-5	0.01			0.02				16:37				
PM-6	0.05				*1.08				15:51			
WZ-1	0.01				0.03				12:38			
WZ-2	0.01			0.03				13:44				
WZ-3	N/A				N/A				N/A			



Air Monitoring Notes:

Langan performed air monitoring at the perimeter of the site and at the work zone at eight total locations for mercury vapor, volatile organic compounds (VOCs), and particulate matter less than 10 microns in diameter (PMIDI), during ground-intrusive activities. There were no fifteen-minute average concentrations for VOCs that approached or exceeded the action level established by the CAMP (5.2 pmi).

Background Concentrations

ackground Concentrations
froit to Implementations
froit to Implementation of ground-intrusive work, instantaneous background concentrations of mercury vapor and VOCs were recorde d using a handheid Jerome¹, ISOS mercury vapor
nalyzer and a handheid PID, respectively.

- Background contentrations of mercury vapor at each CAMP station ranged from 0.00 to 0.07 µg/m².

- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

Perimeter and Mor. To ane Concentrations

* During application of Mercox-X across the execution area in the north-central part of the site, the 15-minute TWA action level for mercury vapor (1.00 µg/m²) was exceeded at perimeter

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CMM Eastion PMA*, which was located boat 0.30 feet from the work area, for a during of about 10 general part of 1.33 µg/m², which was recorded during screening of excavated solffill using the handheld Jerome "JSOS unit. The maximum 15-minute

*TWA Concentration of mercury vapor recorded at 1.08 µg/m² and was caused by instantaneous mercury vapor concentrations ranging from 1.09 at a µg/m². During this time, off
**Site CAMP* Station VX21 was located on the northern sidewalk of Pearl Street and no instantaneous mercury vapor concentrations a capital constitution. "A C-465 older/vapor suppressing

foam was sprayed also the polyethylene sheeting, As an additional measure, "A-645 older/vapor suppressing

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foam was sprayed also the ACMP station.

- Construction activities cased for the remainder of the work day, however, CAMP was implemented until at least, a "30m before implementing shutdown protocols (ie. collecting

**PMIOI concentrations a perimeter CAMP station PMA exceeded the action level established in the CAMP (0.100 mg/m²) for a duration of about 15 minutes (1:53pm to 2:07pm). The

maximum 15-minute TWA concentration of PMIO was recorded at 13.6. mg/m² and was caused by instantaneous PMIOI concentrations ranging from 0.153 mg/m³ 10.1.02 mg/m³. Prior to

was one concentration of a perimeter CAMP station PMA exceeded the action level established in the CAMP (0.100 mg/m²) for a duration of about 15 minutes (1:53pm to 2:07pm). The

maximum 15-minute TWA concentration of PMIO was recorded at 1

Ambient Air (Handheld Jerome* JSOS and Handheld PID)

- The dedicated mobile monitor (Langan) used a handheld jerome* JSOS mercury vapor analyzer to monitor ambient air conditions at various heights throughout the site. With the exception of the LSOF inminute PUAI mercury vapor exceedance previously described, instantaneous mercury vapor concentrations throughout the site ranged from 0.00 µg/m* to 0.40 µg/m*.

- The declicated mobile monitor (Langan) used a handheld PID to monitor VCC concentrations throughout the site. With the exception of ambient air screening during removal of the USTs in the exact or below background concentrations throughout the work QA. A maximum instantaneous/VCC concentrations were of a 15 µcm was observed at 92 Seam during removal of the USTs in the eastern part of the site, however, VOC concentrations at the nearest perimeter CAMP station(PM-4) were not recorded above background conditions.

Off-Site CAMP Station Relocation

- CAMP Station W2-1 was relocated to the northern sidewalk of Pearl Street from 7:07am to 4:44pm during excavation of test p its and installation of 50% soldier piles along the northern boundary of the six.

- CAMP station W2-2 was relocated to the eastern sidewalk of Peck Slip from 7:16am to 4:44pm during excavation of test pits and demolition of concrete along the eastern boundary of the six.

Prior to CAMP Shutdown
Prior to discontinuing CAMP and approximately 30 minutes after mercury vapor readings returned to background concentrations at perimeter CAMP station PM-6, air quality at each CAMP
Prior to discontinuing CAMP and approximately 30 minutes after mercury vapor readings returned to background concentrations were recorded. Additionally, areas of
exposed solyfill were covered with polyethylene sheeting and/or Atmost AC-645 dust/vapor suppressing foam. CAMP stations were discontinued at 4.44pm at the conclusion of ground intriusive activities.

- Microry vapor concentrations at each CAMP station ranged from 0.00 to 0.08 µg/m².

- VOC concentrations at each CAMP station ranged from 0.0 ppm to 0.1 ppm.



