



DAILY AIR MONITORING REPORT

250 Water Street Remediation Site

Manhattan, New York

05/14/22

Project number: 170381202

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Rev. No. 0

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Dust Action Level ($\mu\text{g}/\text{m}^3$)

100

VOC Action Level (ppm)

5

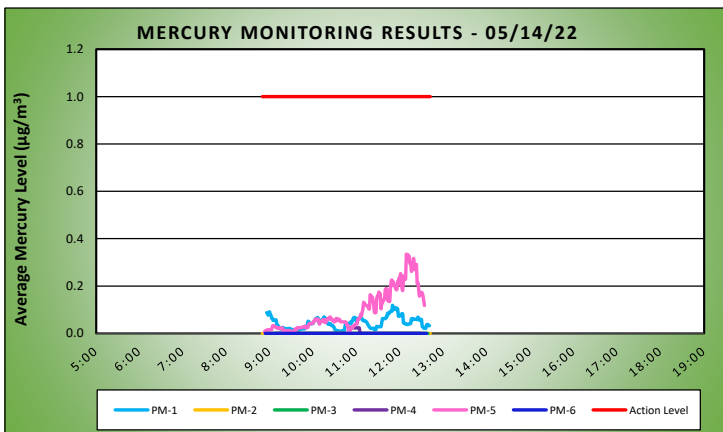
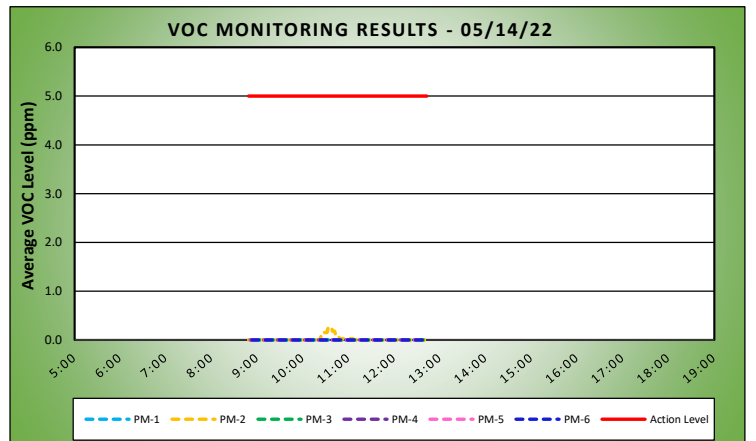
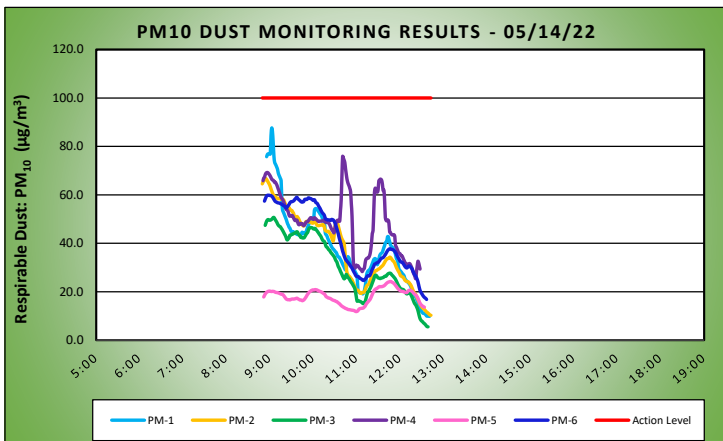
Hg Action Level ($\mu\text{g}/\text{m}^3$)

1.0

Weather Data Range for Work Day		Wind Direction	ESE	Relative Humidity (%)	81.0 - 92.0	Daily Rain (in)	0.01	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	63.0 - 67.0	Wind Speed (MPH)	1.2 - 2.5	Barometer (inHg)	30.10 - 30.10			

Station Location Area	Work	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		38.5	87.6	9:03	0.0	0.0	8:55
PM-2		37.5	66.7	8:55	0.0	0.3	10:34
PM-3		30.6	50.7	9:06	0.0	0.0	8:54
PM-4		48.4	76.0	10:41	0.0	0.0	8:51
PM-5		17.9	24.2	11:47	0.0	0.0	8:52
PM-6		41.4	59.8	8:58	0.0	0.0	8:53

Station Location Area	Work	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		0.0	0.1	11:50
PM-2		0.0	0.0	8:50
PM-3		0.0	0.0	8:55
PM-4		0.0	0.0	10:50
PM-5		0.1	0.3	12:09
PM-6		0.0	0.0	8:54

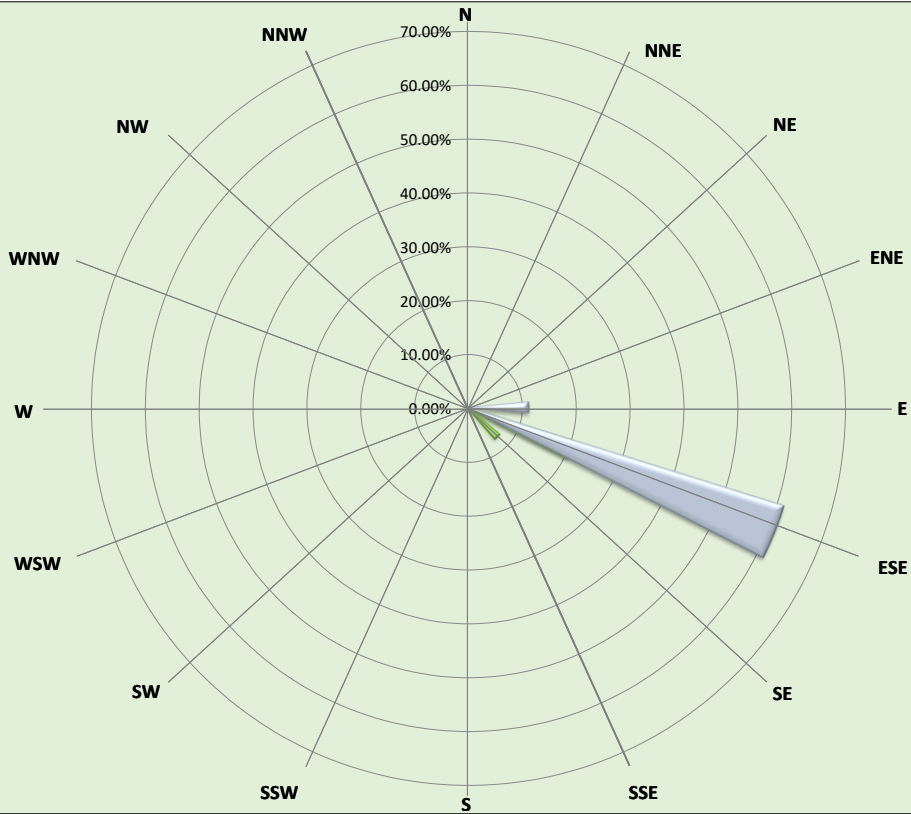


Air Monitoring Notes:

- Langan used a handheld Jerome[®] J505 mercury analyzer to monitor ambient air conditions within the work zone and throughout the site. Instantaneous mercury vapor concentrations ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.23 $\mu\text{g}/\text{m}^3$.
- Langan used a handheld photoionization detector (PID) to monitor VOC concentrations within the work zone and throughout the site. VOC concentrations were not detected above background concentrations throughout the work day.
- Prior to discontinuing the CAMP at the conclusion of ground-intrusive activities, VOC and mercury vapor concentrations were confirmed to return to background conditions at each perimeter station. CAMP stations were discontinued sequentially from 12:27 pm to 12:45 pm 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 0.08 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.2 ppm.



Langan - 250 Water St Air
Monitoring
05/14/22
Wind Speed & Direction
Daily Readings



- > 10 MPH
- 8 - 10 MPH
- 6 - 8 MPH
- 4 - 6 MPH
- 2 - 4 MPH
- 1 - 2 MPH
- Calm
- > 10 MPH
- 8 - 10 MPH
- 6 - 8 MPH
- 4 - 6 MPH
- 2 - 4 MPH