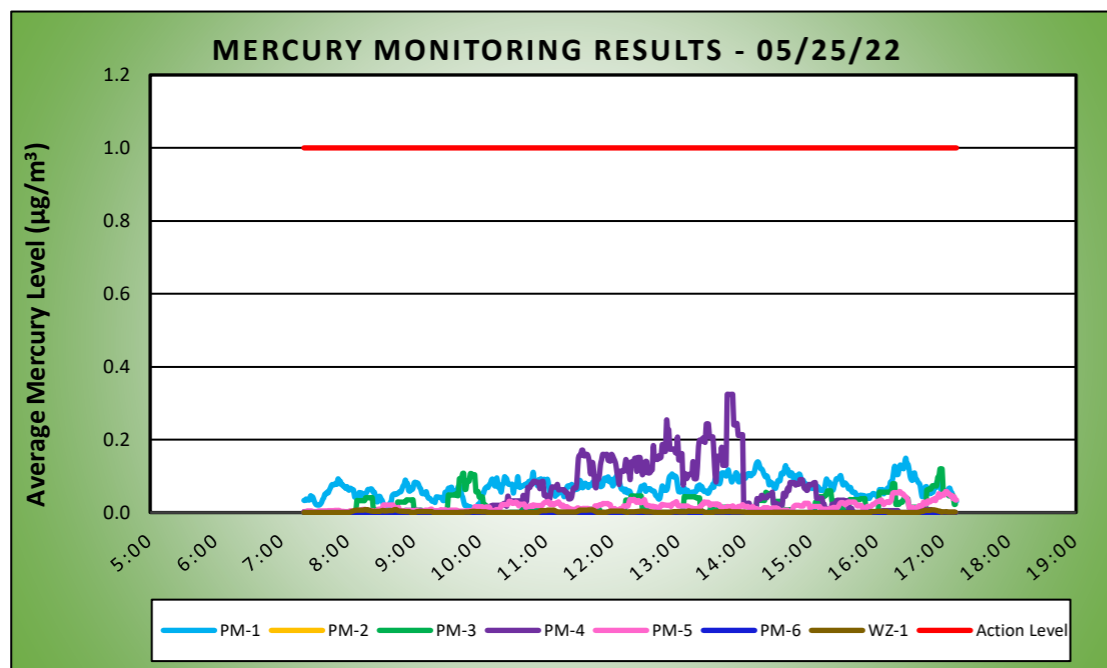
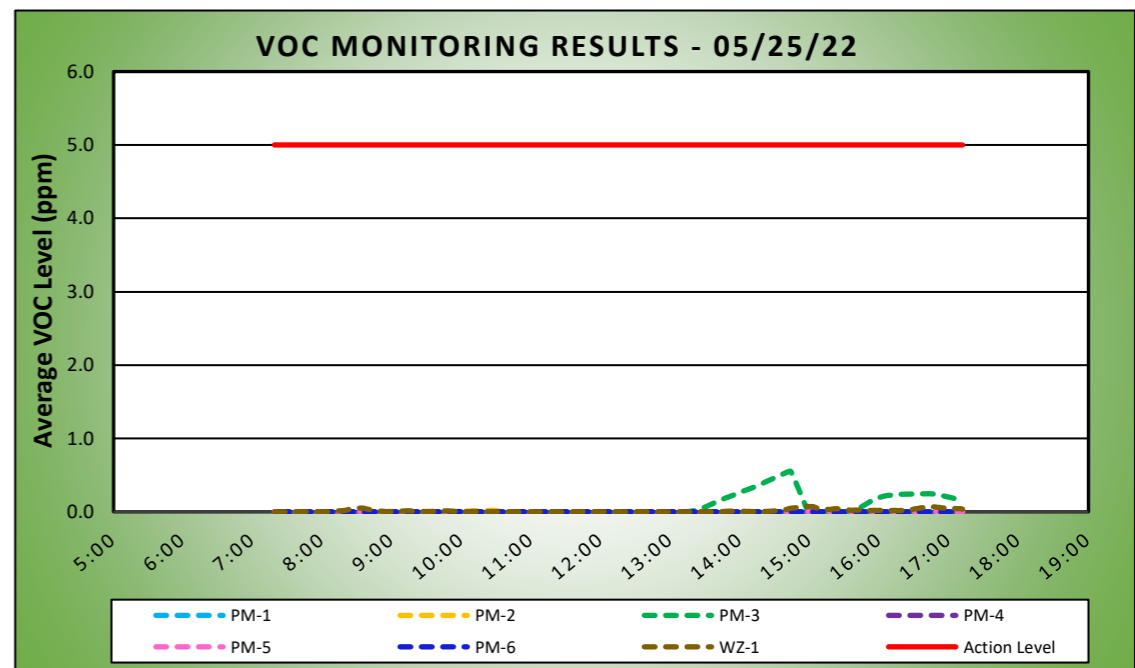
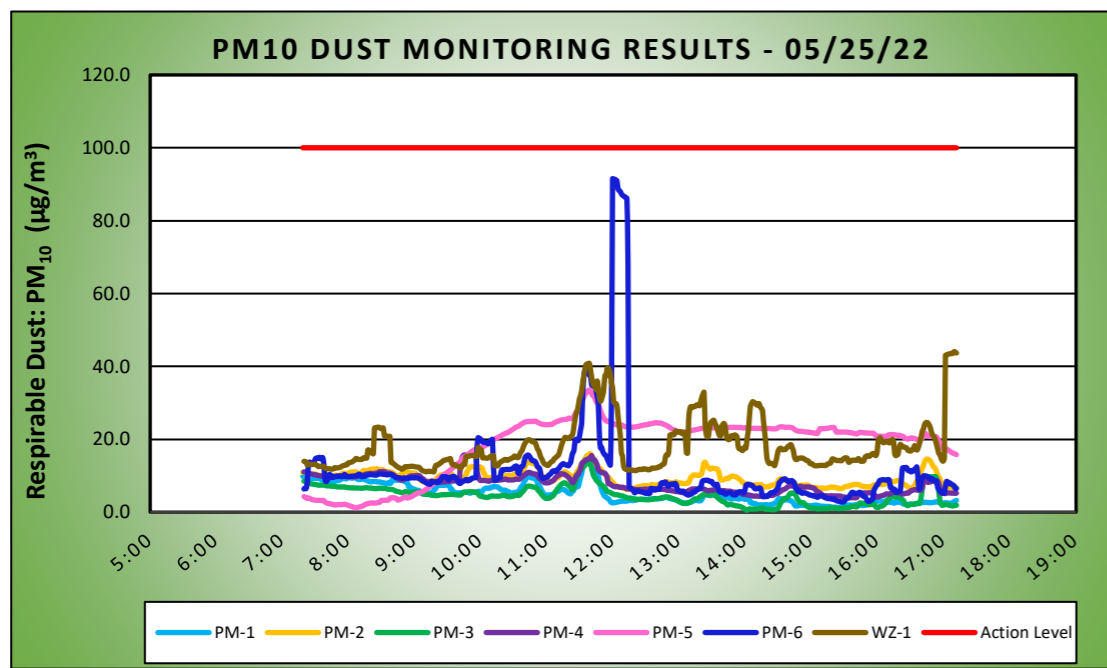


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|---|--|--|--|--|---|-----|
|  | DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York | | | | 05/25/22 | |
| | | | | | Project number: 170381202 | |
| | | | | | Page 1 of 2 | |
| | | | | | Submitted By: Lauren Roper, Brian Kenneally | |
| | | | | | 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 | SW | Relative Humidity (%) | 36.1 - 51.6 | Daily Rain (in) | 0.00 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temp (°F) | 60.4 - 69.6 | Wind Speed (MPH) | 0.8 - 6.7 | Barometer (inHg) | 30.44 - 30.48 | | | |

| 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 | 5.1 | 15.5 | 11:37 | 0.0 | 0.0 | 7:23 |
| PM-2 | 9.4 | 16.0 | 11:40 | 0.0 | 0.0 | 10:27 |
| PM-3 | 4.5 | 13.9 | 11:39 | 0.1 | 0.6 | 14:43 |
| PM-4 | 7.8 | 15.8 | 9:52 | 0.0 | 0.0 | 7:19 |
| PM-5 | 18.1 | 33.6 | 11:39 | 0.0 | 0.0 | 7:19 |
| PM-6 | 11.4 | 91.5 | 12:00 | 0.0 | 0.0 | 9:57 |
| WZ-1 | 18.4 | 44.1 | N/A | 0.0 | 0.1 | N/A |

| 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 | 0.1 | 0.1 | 16:26 |
| PM-2 | 0.0 | 0.0 | 7:20 |
| PM-3 | 0.0 | 0.1 | 16:57 |
| PM-4 | 0.1 | 0.3 | 13:44 |
| PM-5 | 0.0 | 0.1 | 17:03 |
| PM-6 | 0.0 | 0.0 | 7:20 |
| WZ-1 | 0.0 | 0.0 | N/A |



Air Monitoring Notes:

- Langan used two handheld Jerome® J505 mercury analyzers to monitor ambient air conditions at various heights throughout the site and within the work zone.
 - Instantaneous mercury vapor concentrations throughout the site ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.06 $\mu\text{g}/\text{m}^3$.
 - Instantaneous mercury vapor concentrations within the work zone ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.04 $\mu\text{g}/\text{m}^3$.
- Langan used a handheld 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.
- The Jerome® J405 mercury vapor analyzer at perimeter CAMP station PM-4 was replaced at 1:40pm, after verification with the handheld Jerome® J505 unit that erroneous high readings were being recorded. Instantaneous mercury vapor concentrations were recorded using the Jerome® J505 unit during equipment replacement and concentrations were recorded at 0.0 $\mu\text{g}/\text{m}^3$ between 1:40pm and 1:43pm.
- Perimeter air monitoring station PM-2 was relocated to the southern sidewalk of Water Street from 7:09am to 5:11pm.
- 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 using the handheld PID and handheld Jerome® J505 mercury vapor analyzer. CAMP stations were discontinued at 5:11pm 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.

