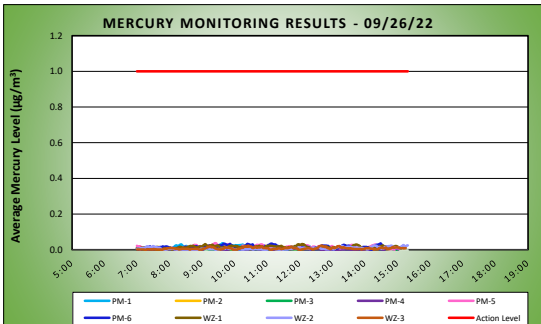
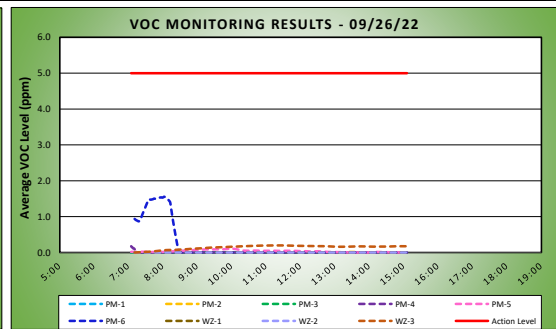
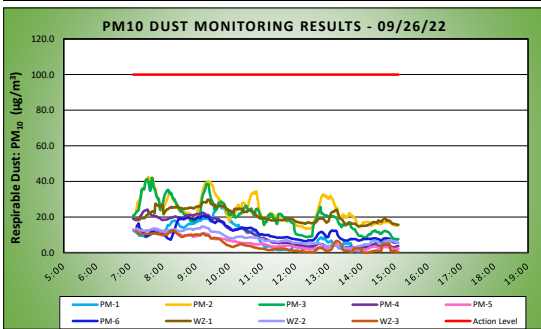


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|---|--|-----|--|--|------------|
|  | DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York | | 09/26/22 | | |
| | | | Project number: 170381202 | | |
| | | | Page 1 of 2 | | Rev. No. 0 |
| | | | Submitted By: | | |
| | | | 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 (%) | 41.9 - 85.3 | Daily Rain (in) | 0.00 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temp (°F) | 60.9 - 75.7 | Wind Speed (MPH) | 0.9 - 5.4 | Barometer (inHg) | 29.74 - 29.79 | | | |

| 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 | | 9.6 | 27.9 | 9:41 | 0.0 | 0.0 | 7:05 |
| PM-2 | | 23.7 | 42.6 | 7:34 | 0.0 | 0.0 | 13:26 |
| PM-3 | | 20.4 | 42.0 | 7:40 | 0.0 | 0.0 | 7:05 |
| PM-4 | | 11.1 | 24.2 | 7:32 | 0.0 | 0.2 | 7:05 |
| PM-5 | | 6.0 | 13.0 | 7:06 | 0.0 | 0.1 | 10:01 |
| PM-6 | | 11.7 | 20.8 | 9:13 | 0.2 | 1.6 | 8:02 |
| WZ-1 | | 20.8 | 29.8 | 9:22 | 0.0 | 0.0 | 7:11 |
| WZ-2 | | 8.2 | 14.7 | 9:12 | 0.0 | 0.0 | 7:11 |
| WZ-3 | | 4.9 | 12.5 | 8:18 | 0.1 | 0.2 | 11:21 |

| 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 | | 0.01 | 0.04 | 9:38 |
| PM-2 | | 0.01 | 0.02 | 13:20 |
| PM-3 | | 0.00 | 0.01 | 8:49 |
| PM-4 | | 0.00 | 0.02 | 9:15 |
| PM-5 | | 0.01 | 0.04 | 9:24 |
| PM-6 | | 0.01 | 0.04 | 14:29 |
| WZ-1 | | 0.01 | 0.03 | 9:06 |
| WZ-2 | | 0.01 | 0.03 | 15:11 |
| WZ-3 | | 0.01 | 0.02 | 12:40 |



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

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

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 0.15 $\mu\text{g}/\text{m}^3$.
- 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.

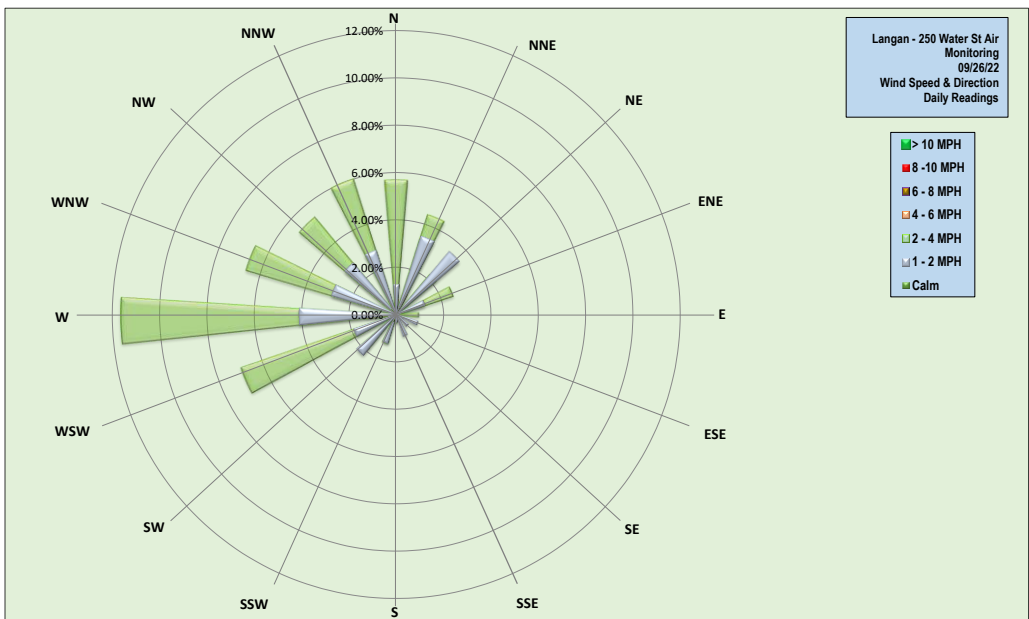
CAMP Station Relocation

- CAMP station WZ-1 was relocated to the northern sidewalk of Pearl Street from 6:56am to 3:06pm 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 6:56am to 3:06pm during excavation activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:56am to 3:06pm during excavation activities 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® J505 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 between 2:56pm and 3:06pm at the conclusion of ground-intrusive activities.
- Mercury vapor concentrations at each CAMP station were recorded at 0.00 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.



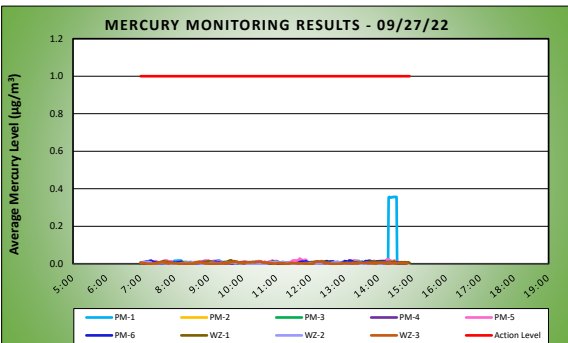
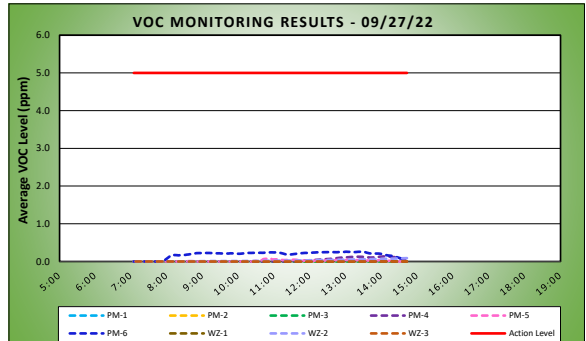
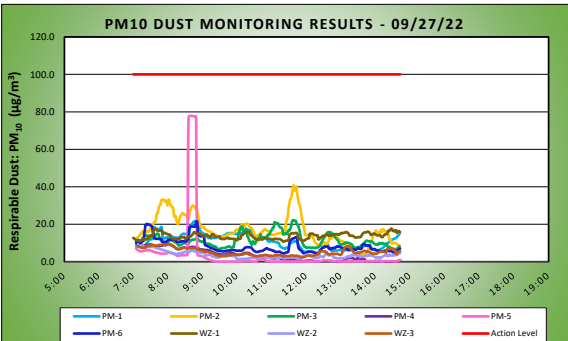


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|---|--|--|----------|------------|
|  | DAILY AIR MONITORING REPORT | | 09/27/22 | |
| | 250 Water Street Remediation Site | | | |
| | Manhattan, New York | | | |
| | Project number: 170381202 | | | Rev. No. 0 |
| | Page 1 of 2 | | | |
| Submitted 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 | WSW | Relative Humidity (%) | 48.0 - 70.0 | Daily Rain (in) | 0.00 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temp (°F) | 61.0 - 71.0 | Wind Speed (MPH) | 1.3 - 6.6 | Barometer (inHg) | 29.80 - 29.90 | | | |

| 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 | 11.1 | 21.6 | 8:46 | 0.0 | 0.0 | 7:05 |
| PM-2 | 16.7 | 40.8 | 11:38 | 0.0 | 0.0 | 7:05 |
| PM-3 | 11.4 | 22.2 | 11:37 | 0.0 | 0.0 | 7:05 |
| PM-4 | 3.6 | 10.6 | 7:05 | 0.0 | 0.1 | 14:10 |
| PM-5 | 3.8 | 77.9 | 8:40 | 0.0 | 0.1 | 10:55 |
| PM-6 | 8.5 | 21.5 | 8:50 | 0.2 | 0.3 | 13:26 |
| WZ-1 | 13.7 | 17.7 | 14:28 | 0.0 | 0.0 | 7:26 |
| WZ-2 | 3.5 | 9.3 | 7:08 | 0.0 | 0.1 | 14:43 |
| WZ-3 | 5.2 | 9.4 | 8:03 | 0.0 | 0.0 | 9:32 |

| 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 | 0.02 | 0.36 | 14:27 |
| PM-2 | 0.00 | 0.01 | 8:40 |
| PM-3 | 0.00 | 0.01 | 7:19 |
| PM-4 | 0.00 | 0.01 | 9:03 |
| PM-5 | 0.01 | 0.03 | 11:41 |
| PM-6 | 0.01 | 0.02 | 13:10 |
| WZ-1 | 0.01 | 0.02 | 9:39 |
| WZ-2 | 0.00 | 0.01 | 10:58 |
| WZ-3 | 0.00 | 0.01 | 12:19 |



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 ppm, and 0.100 mg/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 0.08 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

Equipment Troubleshooting

- PM10 concentrations were not recorded at off-site CAMP station WZ-2 from 7:33am to 7:57am (25 minutes), due to a malfunction of the remote telemetry system causing the DustTrak unit to shut down. PM10 concentrations were not recorded at concentrations above background conditions at perimeter CAMP station PM-4, which was located between the work area and off-site CAMP station WZ-2. Data logging for PM10 resumed at 7:58am and fugitive dust was not observed migrating from the site during this time.

Ambient Air (Handheld Jerome[®] J505 and Handheld PID)

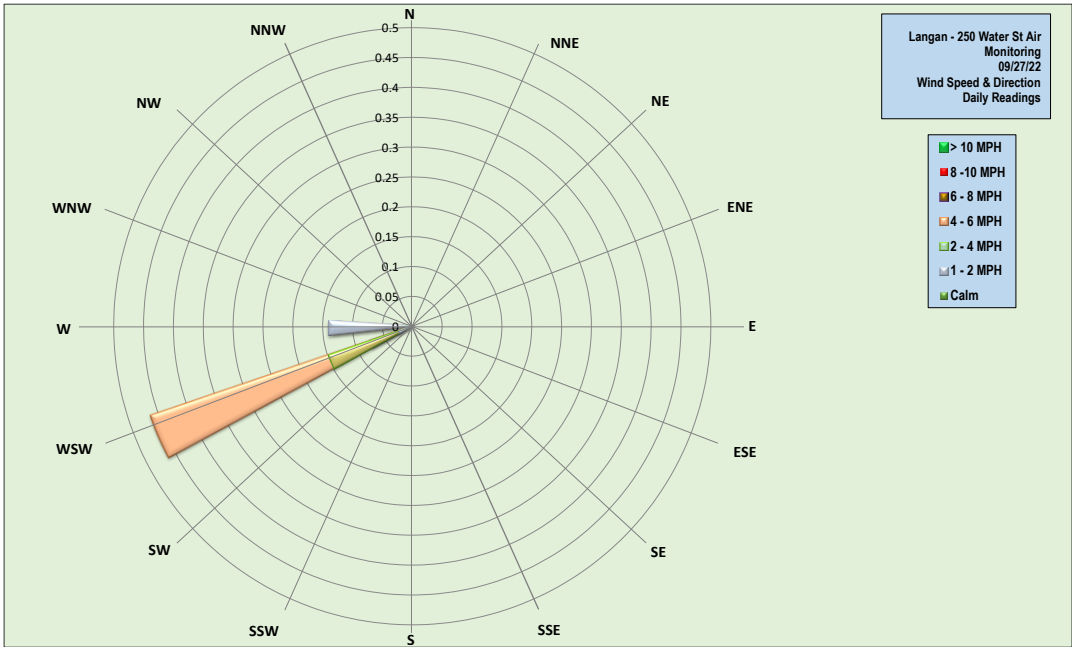
- The dedicated mobile monitor (Langan) used a handheld Jerome[®] J505 mercury vapor analyzer to monitor ambient air conditions at various heights throughout the site. Instantaneous mercury vapor concentrations throughout the site ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.15 $\mu\text{g}/\text{m}^3$.
- 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 7:11am to 2:43pm 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 6:53am to 2:30pm during excavation activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:53am to 2:43pm during excavation activities 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[®] J505 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 between 2:30pm and 2:43pm 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 0.0 ppm.





DAILY AIR MONITORING REPORT

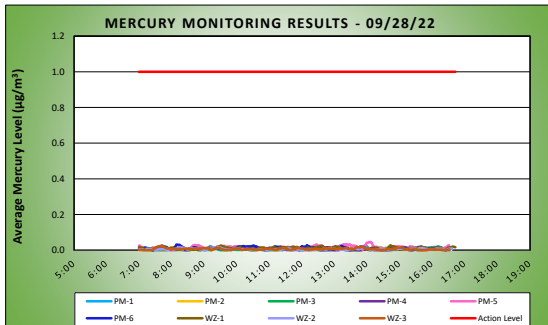
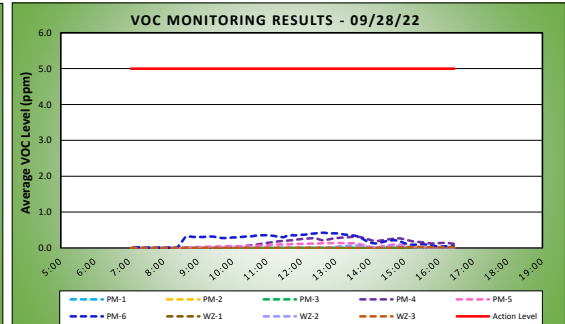
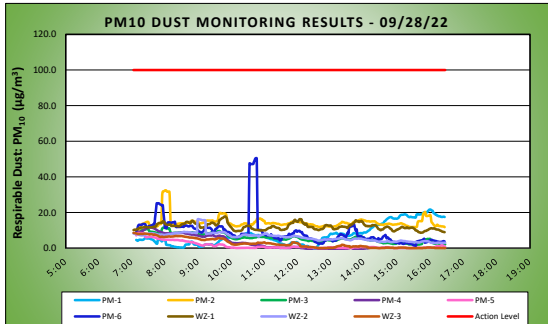
250 Water Street Remediation Site Manhattan, New York

| | |
|--|------------|
| 09/28/22 | |
| Project number: 170381202 | |
| Page 1 of 2 | Rev. No. 0 |
| Submitted By: | |
| 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 | WNW | Relative Humidity (%) | 41.3 - 72.5 | Daily Rain (in) | 0.03 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temp (°F) | 55.0 - 72.8 | Wind Speed (MPH) | 0.4 - 6.0 | Barometer (inHg) | 30.11 - 30.18 | | | |

| 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 | | 7.6 | 21.7 | 16:00 | 0.0 | 0.0 | 7:10 |
| PM-2 | | 14.4 | 32.5 | 8:01 | 0.0 | 0.0 | 7:08 |
| PM-3 | | 5.8 | 11.6 | 8:01 | 0.0 | 0.0 | 7:08 |
| PM-4 | | 2.0 | 11.6 | 7:32 | 0.1 | 0.3 | 13:35 |
| PM-5 | | 1.5 | 8.5 | 7:12 | 0.1 | 0.1 | 13:07 |
| PM-6 | | 9.0 | 50.5 | 10:45 | 0.2 | 0.4 | 12:35 |
| WZ-1 | | 12.0 | 17.8 | 9:49 | 0.0 | 0.0 | 7:03 |
| WZ-2 | | 6.3 | 16.3 | 9:00 | 0.0 | 0.1 | 13:32 |
| WZ-3 | | 2.7 | 8.6 | 7:03 | 0.0 | 0.0 | 15:21 |

| 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 | | 0.01 | 0.02 | 9:11 |
| PM-2 | | 0.01 | 0.02 | 14:16 |
| PM-3 | | 0.00 | 0.02 | 16:09 |
| PM-4 | | 0.00 | 0.02 | 10:22 |
| PM-5 | | 0.01 | 0.05 | 14:06 |
| PM-6 | | 0.01 | 0.03 | 8:10 |
| WZ-1 | | 0.01 | 0.03 | 14:44 |
| WZ-2 | | 0.01 | 0.02 | 8:14 |
| WZ-3 | | 0.01 | 0.03 | 7:43 |



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 ppm, and 0.100 mg/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 0.09 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

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 0.13 $\mu\text{g}/\text{m}^3$ with the exception of one instantaneous concentration recorded above background conditions.

- One instantaneous mercury vapor reading of 4.33 $\mu\text{g}/\text{m}^3$ was recorded at 10:48am due to an internal filter requiring replacement within the handheld Jerome® J505 unit. The filter was replaced on September 29, 2022.
- 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 6:48am to 4:26pm 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 6:48am to 4:26pm during backfilling activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:48am to 4:26pm during backfilling activities 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® J505 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 between 4:26pm and 4:27pm 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 0.03 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.





DAILY AIR MONITORING REPORT

250 Water Street Remediation Site Manhattan, New York

09/29/22

Project number: 170381202

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Rev. No. 0

Submitted By:

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

100

VOC Action Level (ppm)

5

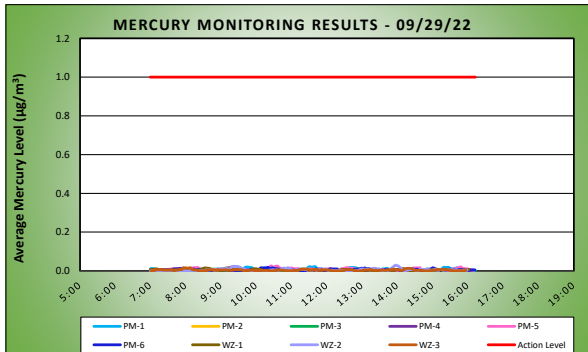
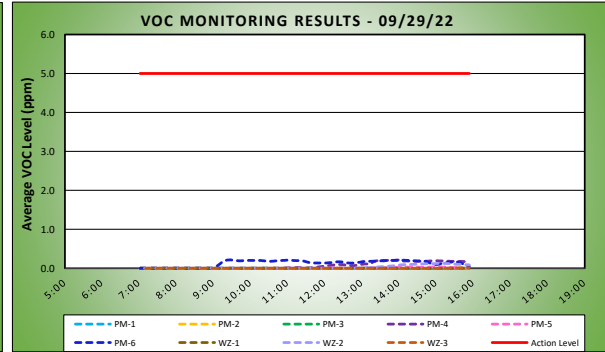
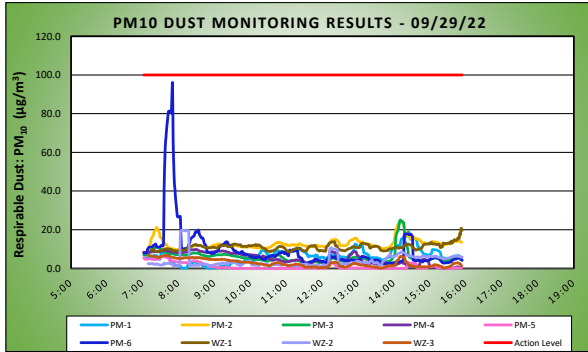
Hg Action Level ($\mu\text{g}/\text{m}^3$)

1.0

| Weather Data Range for Work Day | | Wind Direction | WSW | Relative Humidity (%) | 38.8 - 66.3 | Daily Rain (in) | 0.00 | Readings in the summary table and graphs below are the reported downwind concentrations. |
|---------------------------------|-------------|------------------|-----------|-----------------------|---------------|-----------------|------|--|
| Temp (°F) | 56.6 - 69.0 | Wind Speed (MPH) | 0.7 - 8.4 | Barometer (inHg) | 30.39 - 30.44 | | | |

| 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 | 6.4 | 18.9 | 14:24 | 0.0 | 0.0 | 7:02 |
| PM-2 | 12.8 | 24.5 | 14:14 | 0.0 | 0.0 | 7:02 |
| PM-3 | 6.0 | 25.0 | 14:11 | 0.0 | 0.0 | 13:25 |
| PM-4 | 5.9 | 9.8 | 8:28 | 0.1 | 0.2 | 13:31 |
| PM-5 | 2.7 | 6.2 | 7:37 | 0.0 | 0.0 | 15:04 |
| PM-6 | 9.6 | 95.4 | 7:50 | 0.1 | 0.2 | 9:27 |
| WZ-1 | 11.2 | 20.8 | 15:52 | 0.0 | 0.0 | 7:14 |
| WZ-2 | 3.9 | 19.7 | 8:07 | 0.0 | 0.1 | 15:11 |
| WZ-3 | 2.8 | 6.7 | 7:39 | 0.0 | 0.0 | 15:47 |

| 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 | 11:39 |
| PM-2 | 0.00 | 0.01 | 7:46 |
| PM-3 | 0.00 | 0.00 | 7:41 |
| PM-4 | 0.00 | 0.01 | 10:35 |
| PM-5 | 0.01 | 0.03 | 10:26 |
| PM-6 | 0.01 | 0.02 | 10:19 |
| WZ-1 | 0.00 | 0.02 | 9:29 |
| WZ-2 | 0.01 | 0.03 | 13:57 |
| WZ-3 | 0.00 | 0.02 | 8:08 |



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 ppm, and 0.100 mg/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 0.03 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

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 0.25 $\mu\text{g}/\text{m}^3$.
- 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 6:59am to 3:54pm 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 6:54am to 3:54pm during backfilling activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:56am to 3:53pm during backfilling activities 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® J505 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 between 3:53pm and 3:54pm 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 0.04 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

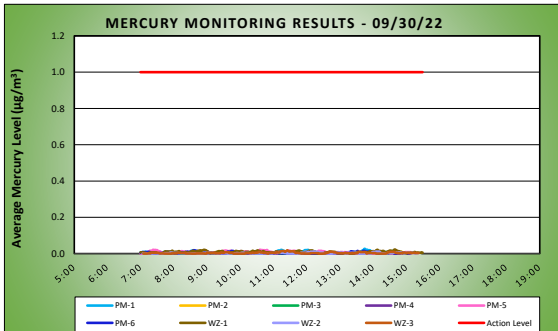
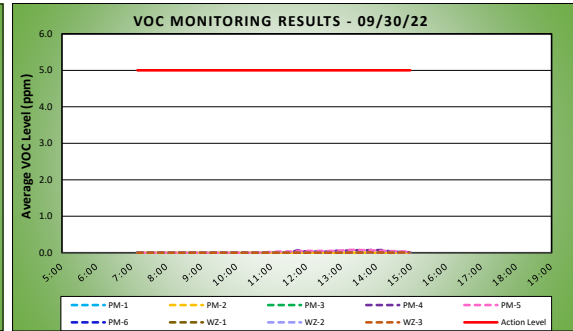
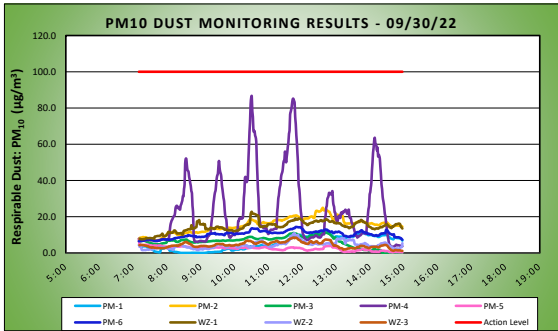


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|---|--|--|--|----------|--|---------------------------|
|  | DAILY AIR MONITORING REPORT | | | 09/30/22 | | |
| | 250 Water Street Remediation Site | | | | | Project number: 170381202 |
| | Manhattan, New York | | | | | Page 1 of 2 |
| | | | | | | 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 | WSW | Relative Humidity (%) | 49.3 - 63.0 | Daily Rain (in) | 0.00 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temp (°F) | 54.3 - 62.2 | Wind Speed (MPH) | 0.9 - 8.1 | Barometer (inHg) | 30.32 - 30.42 | | | |

| 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 | 5.4 | 12.2 | 12:35 | 0.0 | 0.0 | 7:10 |
| PM-2 | 15.2 | 25.0 | 12:36 | 0.0 | 0.0 | 7:16 |
| PM-3 | 6.1 | 11.3 | 12:41 | 0.0 | 0.0 | 7:10 |
| PM-4 | 23.5 | 86.7 | 10:30 | 0.0 | 0.1 | 14:07 |
| PM-5 | 2.6 | 7.6 | 7:10 | 0.0 | 0.1 | 13:22 |
| PM-6 | 10.3 | 14.3 | 11:48 | 0.0 | 0.0 | 7:10 |
| WZ-1 | 14.4 | 22.7 | 10:30 | 0.0 | 0.0 | 7:10 |
| WZ-2 | 4.5 | 10.8 | 11:45 | 0.0 | 0.0 | 12:53 |
| WZ-3 | 4.4 | 8.5 | 11:48 | 0.0 | 0.0 | 13:50 |

| 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 | 13:44 |
| PM-2 | 0.00 | 0.01 | 9:40 |
| PM-3 | 0.00 | 0.01 | 8:56 |
| PM-4 | 0.00 | 0.01 | 8:05 |
| PM-5 | 0.01 | 0.02 | 10:36 |
| PM-6 | 0.01 | 0.02 | 8:36 |
| WZ-1 | 0.01 | 0.02 | 14:38 |
| WZ-2 | 0.00 | 0.01 | 12:12 |
| WZ-3 | 0.00 | 0.02 | 11:25 |



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 ppm, and 0.100 mg/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 0.03 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

Equipment Troubleshooting

- PM10 concentrations were not recorded at perimeter CAMP station PM-3 from 1:12pm to 1:17pm (6 minutes) due to a loose connection to the external battery. Data logging for PM10 resumed at 1:18pm after replacement and reconnection of the wire. Fugitive dust was not observed migrating from the site and PM10 concentrations at off-site CAMP station WZ-3 were not recorded above background conditions during this time.

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 0.10 $\mu\text{g}/\text{m}^3$.

- 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 6:56am to 2:57pm 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 6:56am to 2:57pm during backfilling activities in the southeastern part of the site.

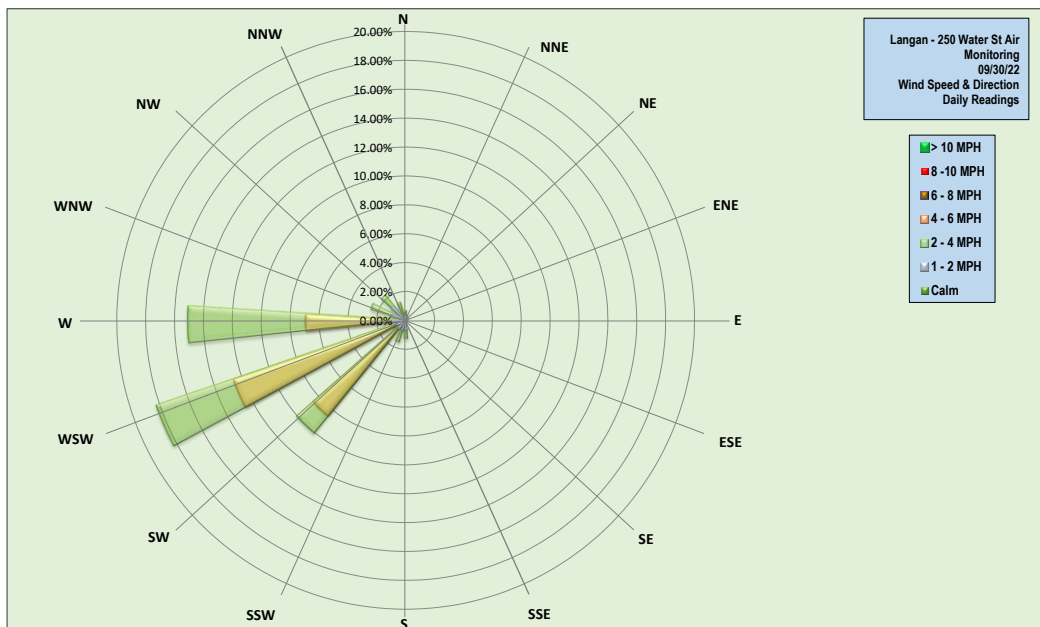
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:56am to 2:57pm during backfilling activities in the southeastern part of the site.

Prior to CAMP Shutdown

Prior to discontinuing CAMP, air quality at each CAMP station was verified using the handheld PID and handheld Jerome® J505 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 between 2:56pm and 2:57pm 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 0.04 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.







DAILY AIR MONITORING REPORT

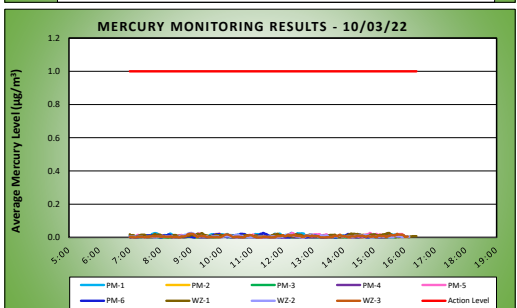
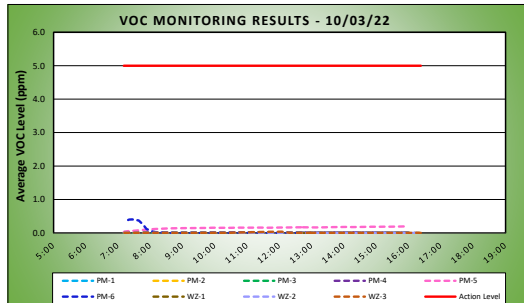
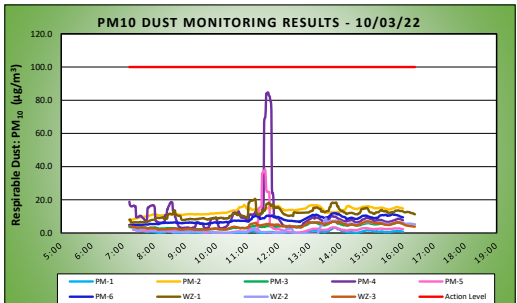
250 Water Street Remediation Site Manhattan, New York

| | |
|--|------------|
| 10/03/22 | |
| Project number: 170381202 | |
| Page 1 of 2 | Rev. No. 0 |
| Submitted By: | |
| 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 | WSW | Relative Humidity (%) | 57.3 - 72.1 | Daily Rain (in) | 0.11 | Readings in the summary table and graphs below are the reported downwind concentrations. |
|---------------------------------|-------------|------------------|-----------|-----------------------|---------------|-----------------|------|--|
| Temp (°F) | 51.6 - 53.0 | Wind Speed (MPH) | 1.5 - 9.7 | Barometer (inHg) | 30.24 - 30.31 | | | |

| 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 | 0.7 | 4.8 | 7:12 | 0.0 | 0.0 | 7:11 |
| PM-2 | 13.2 | 16.9 | 10:53 | 0.0 | 0.0 | 11:46 |
| PM-3 | 3.9 | 6.9 | 13:44 | 0.0 | 0.0 | 7:11 |
| PM-4 | 10.2 | 84.7 | 11:39 | 0.0 | 0.0 | 7:12 |
| PM-5 | 2.6 | 38.3 | 11:34 | 0.2 | 0.2 | 16:00 |
| PM-6 | 8.0 | 12.0 | 13:47 | 0.0 | 0.4 | 7:26 |
| WZ-1 | 11.6 | 20.5 | 11:16 | 0.0 | 0.0 | 7:12 |
| WZ-2 | 2.6 | 8.8 | 13:31 | 0.0 | 0.0 | 7:12 |
| WZ-3 | 4.2 | 7.1 | 14:52 | 0.0 | 0.0 | 12:04 |

| 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 | 12:17 |
| PM-2 | 0.01 | 0.02 | 14:44 |
| PM-3 | 0.00 | 0.01 | 7:00 |
| PM-4 | 0.00 | 0.01 | 9:02 |
| PM-5 | 0.01 | 0.03 | 14:52 |
| PM-6 | 0.01 | 0.03 | 11:22 |
| WZ-1 | 0.01 | 0.03 | 15:27 |
| WZ-2 | 0.01 | 0.03 | 9:00 |
| WZ-3 | 0.01 | 0.02 | 8:57 |



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/m³, 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® JS05 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 0.09 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

Equipment Troubleshooting

- CAMP stations were sequentially turned off between 12:32pm and 12:59pm to accommodate replacement of the external battery/telemetry system modem in each station. Each CAMP station was turned off for a maximum period of 6 minutes. PM10 and VOC concentrations were not recorded while maintenance was performed at each respective station. Data logging sequentially resumed between 12:37pm and 1:03pm following replacement of the external battery and modem. Fugitive dust was not observed migrating from the site during these times.
- PM10 concentrations were not recorded at perimeter CAMP station PM-2 from 1:31pm to 1:43pm (13 minutes) due to low power from one of the replacement batteries. The external battery was replaced and data logging resumed at 1:44pm. Fugitive dust was not observed migrating from the site and PM10 concentrations at off-site CAMP station WZ-3 were not recorded above background conditions during this time.

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 0.14 $\mu\text{g}/\text{m}^3$.
- 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 4:23pm 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 7:04am to 4:09pm during backfilling activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:57am to 4:06pm during backfilling activities 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 AtmoD AC-645 dust/vapor suppressing foam. CAMP stations were discontinued between 3:49pm and 4:23pm at the conclusion of ground-intrusive activities.

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

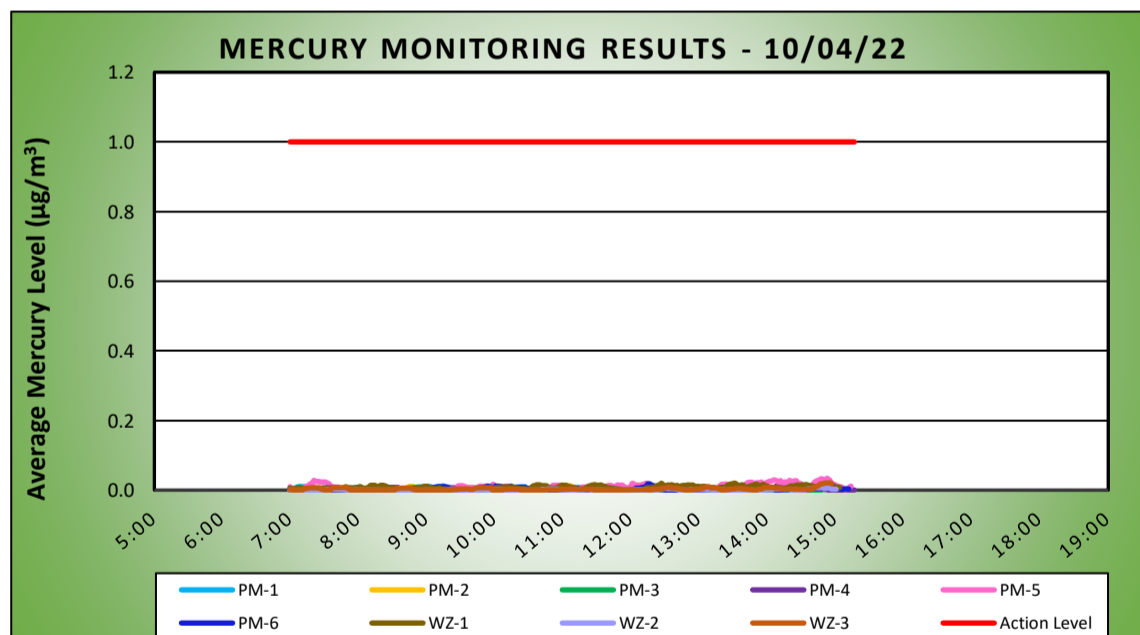
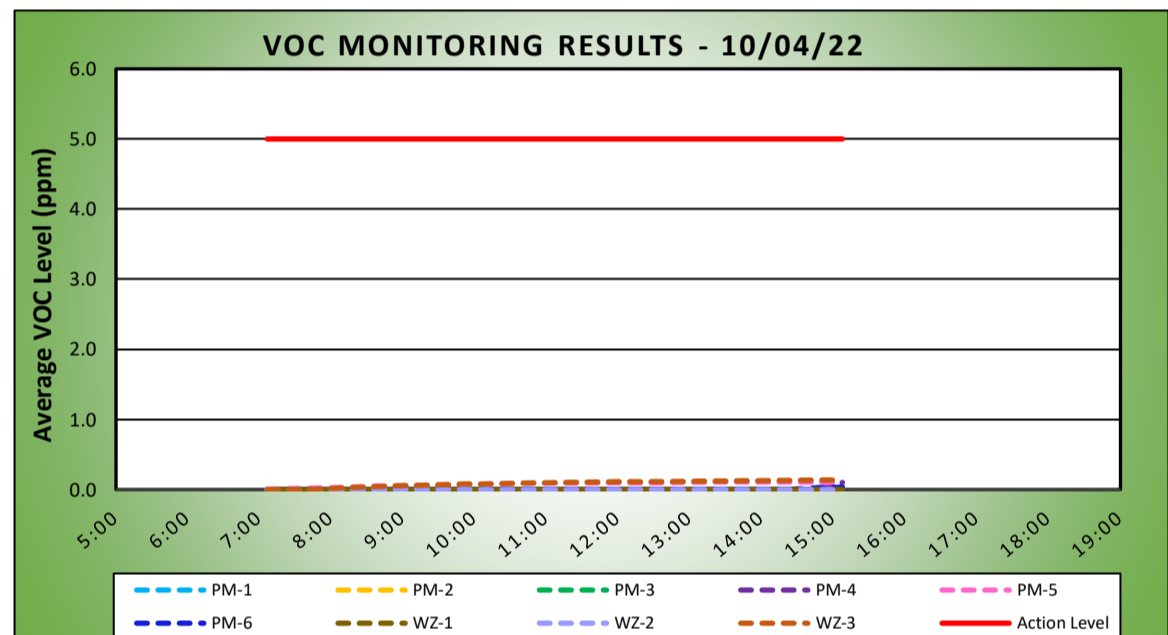
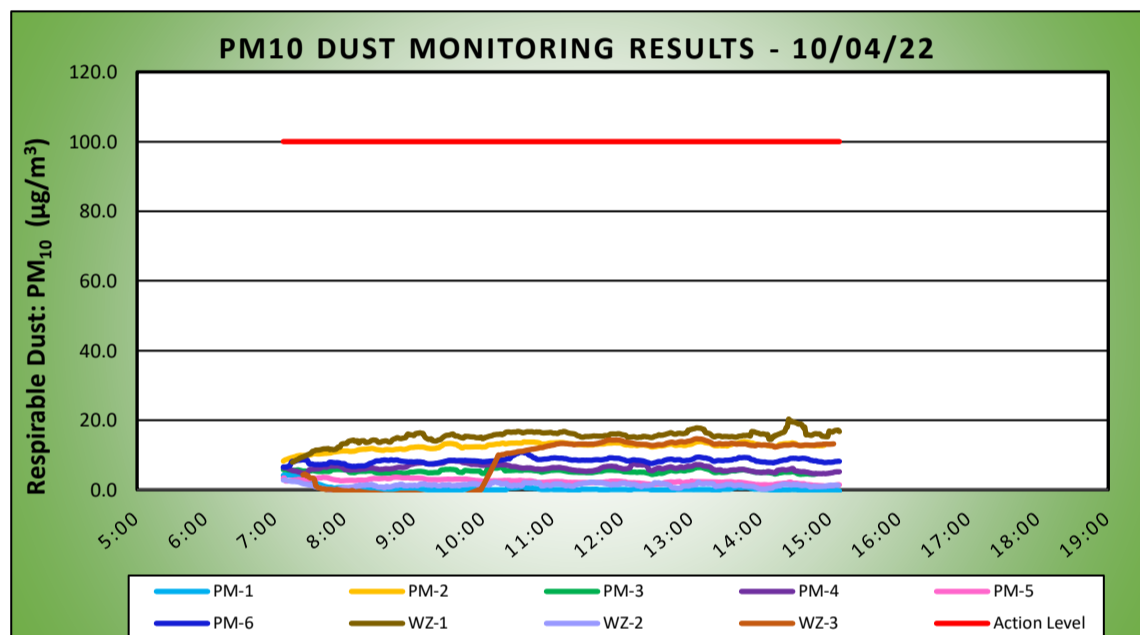


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|  | DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York | | | | 10/04/22 | | | | | |
| | | | | | Project number: 170381202 | | | | Rev. No. 0 | |
| | | | | | Page 1 of 2 | | | | | |
| | | | | | Submitted By: | | | | | |
| | | | | | 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 | WSW | Relative Humidity (%) | 84.8 - 93.0 | Daily Rain (in) | 0.16 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temp (°F) | 48.2 - 54.5 | Wind Speed (MPH) | 1.2 - 9.2 | Barometer (inHg) | 29.99 - 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 | | 0.4 | 4.4 | 7:09 | 0.0 | 0.0 | 7:07 |
| PM-2 | | 12.4 | 13.9 | 13:08 | 0.0 | 0.0 | 7:07 |
| PM-3 | | 5.3 | 6.6 | 10:17 | 0.0 | 0.0 | 7:07 |
| PM-4 | | 6.2 | 8.4 | 9:32 | 0.0 | 0.1 | 15:08 |
| PM-5 | | 2.4 | 3.6 | 8:44 | 0.1 | 0.1 | 13:41 |
| PM-6 | | 8.3 | 10.8 | 10:32 | 0.0 | 0.0 | 15:07 |
| WZ-1 | | 15.1 | 20.3 | 14:24 | 0.0 | 0.0 | 7:15 |
| WZ-2 | | 1.4 | 2.8 | 7:07 | 0.0 | 0.0 | 7:07 |
| WZ-3 | | 8.1 | 14.7 | 13:05 | 0.1 | 0.1 | 15:03 |

| 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 | | 0.01 | 0.02 | 13:47 |
| PM-2 | | 0.00 | 0.01 | 12:07 |
| PM-3 | | 0.00 | 0.01 | 8:56 |
| PM-4 | | 0.00 | 0.01 | 14:15 |
| PM-5 | | 0.01 | 0.03 | 14:53 |
| PM-6 | | 0.00 | 0.02 | 12:15 |
| WZ-1 | | 0.01 | 0.02 | 13:31 |
| WZ-2 | | 0.00 | 0.01 | 14:47 |
| WZ-3 | | 0.00 | 0.02 | 14:55 |



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

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 0.04 $\mu\text{g}/\text{m}^3$.
- + Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

Equipment Troubleshooting

-PM10 concentrations were not recorded at perimeter CAMP station PM-5 from 1:01pm to 1:06pm (6 minutes), due to a malfunction of the remote telemetry system causing the DustTrak unit to shut down. Data logging for PM10 resumed at 1:07pm after resetting the remote telemetry system. Fugitive dust was not observed migrating from the site and off-site CAMP station WZ-1, which was located across Pearl Street, did not record PM10 at concentrations above background conditions during this time.

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 0.08 $\mu\text{g}/\text{m}^3$.
- 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 7:00am to 3:04pm 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 6:52am to 3:01pm during backfilling activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 7:09am to 2:57pm during backfilling activities in the southeastern part of the site.

Prior to CAMP Shutdown

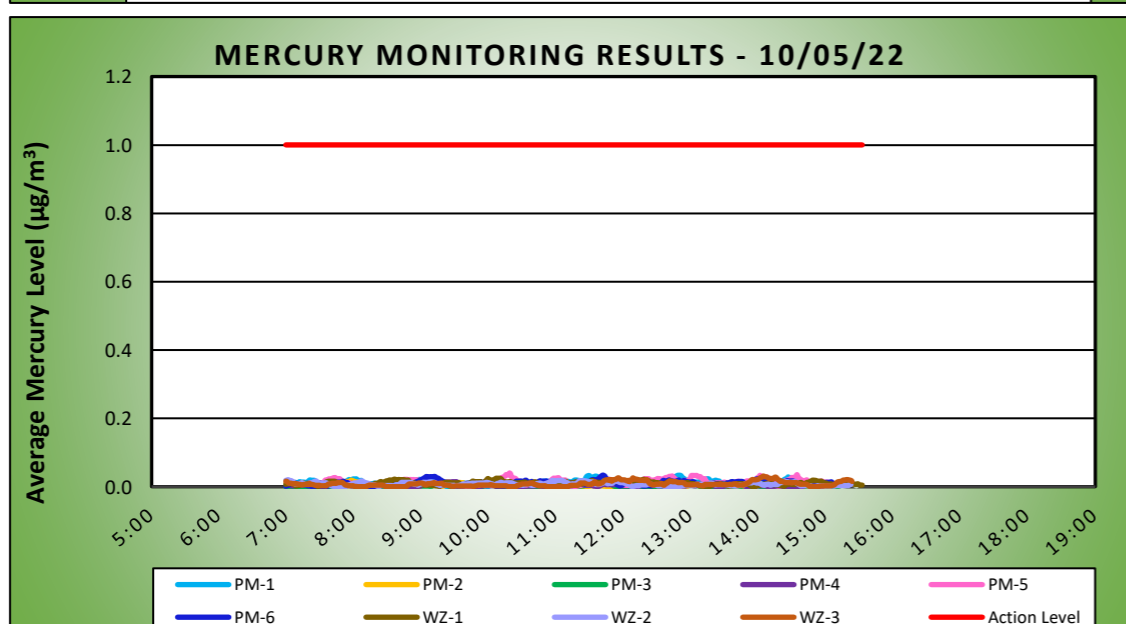
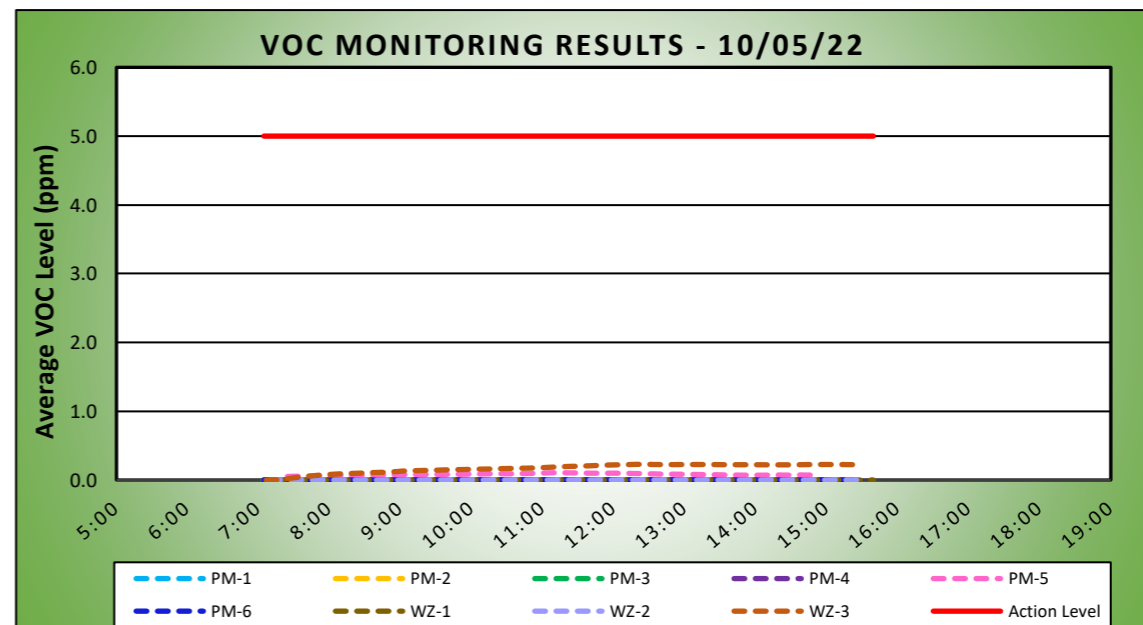
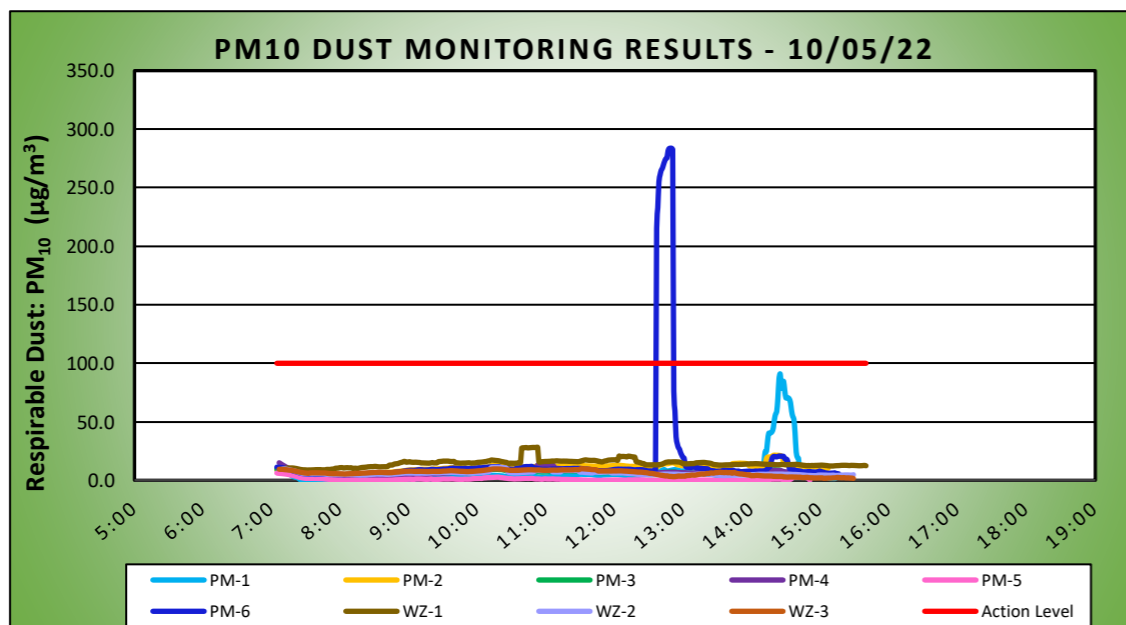
- Prior to discontinuing CAMP, air quality at each CAMP station was verified using the handheld PID and handheld Jerome® J505 mercury vapor analyzer and no readings above background concentrations were recorded. Additionally, areas of exposed soil/fill were covered with polyethylene sheeting and/or Atmos® AC-645 dust/vapor suppressing foam. CAMP stations were discontinued between 2:48pm and 3:08pm 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 0.01 $\mu\text{g}/\text{m}^3$.

| | | | |
|---|--|--|---|
|  | DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York | | 10/05/22 Project number: 170381202 Page 1 of 2 Submitted By: _____ 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 |
| | | | Rev. No. 0 |
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|---------------------------------|-------------|------------------|-----------|-----------------------|---------------|-----------------|------|--|
| Weather Data Range for Work Day | | Wind Direction | WSW | Relative Humidity (%) | 79.6 - 94.9 | Daily Rain (in) | 0.00 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temp (°F) | 57.5 - 61.5 | Wind Speed (MPH) | 0.6 - 7.1 | Barometer (inHg) | 29.96 - 29.99 | | | |

| 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 | 6.7 | 90.8 | 14:25 | 0.0 | 0.0 | 7:05 |
| PM-2 | 10.7 | 21.5 | 14:20 | 0.0 | 0.0 | 7:05 |
| PM-3 | 6.2 | 9.7 | 7:05 | 0.0 | 0.0 | 7:05 |
| PM-4 | 6.9 | 15.0 | 7:07 | 0.0 | 0.0 | 7:07 |
| PM-5 | 1.0 | 6.2 | 7:05 | 0.1 | 0.1 | 11:10 |
| PM-6 | 17.0 | *283.7 | 12:50 | 0.0 | 0.0 | 7:05 |
| WZ-1 | 14.3 | 28.1 | 10:53 | 0.0 | 0.0 | 7:13 |
| WZ-2 | 6.0 | 11.1 | 10:15 | 0.0 | 0.0 | 7:10 |
| WZ-3 | 6.4 | 9.9 | 11:31 | 0.2 | 0.2 | 12:27 |

| 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 | 12:49 |
| PM-2 | 0.01 | 0.02 | 7:58 |
| PM-3 | 0.00 | 0.01 | 11:40 |
| PM-4 | 0.00 | 0.01 | 9:28 |
| PM-5 | 0.01 | 0.04 | 10:19 |
| PM-6 | 0.01 | 0.03 | 11:42 |
| WZ-1 | 0.01 | 0.02 | 10:07 |
| WZ-2 | 0.01 | 0.02 | 7:02 |
| WZ-3 | 0.01 | 0.03 | 14:05 |



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 or VOCs that approached or exceeded the action levels established by the CAMP (1.00 $\mu\text{g}/\text{m}^3$ and 5.0 ppm, 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 0.06 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

Perimeter and Work Zone Concentrations

* PM10 concentrations at perimeter CAMP station PM-6 exceeded the action level established in the CAMP (0.100 mg/m^3) from 12:37pm to 12:51pm (15 minutes). The exceedance was caused by exhaust from an active generator located upwind of perimeter CAMP station PM-6 and was not the result of ground-intrusive activities associated with soil/fill at the site. Fugitive dust was not observed migrating from the site and off-site CAMP station (WZ-1), which was located across Pearl Street, did not record PM10 at concentrations above background conditions during this time.

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 0.07 $\mu\text{g}/\text{m}^3$.

- 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 6:58am to 3:33pm 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 6:55am to 3:23pm during backfilling activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:52am to 3:24pm during backfilling activities 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® J505 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 between 2:51pm and 3:33pm at the conclusion of ground-intrusive activities.

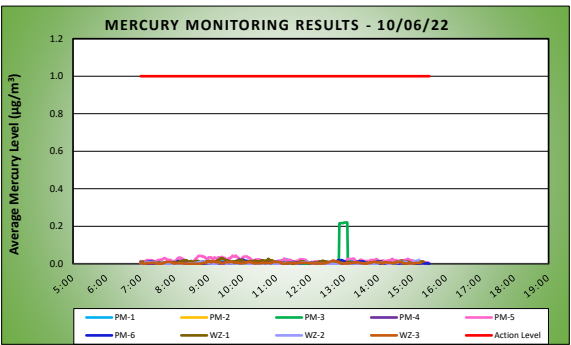
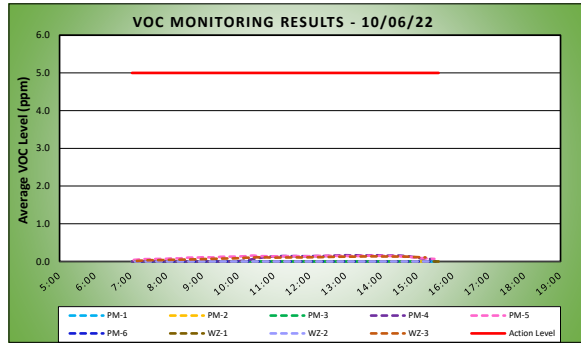
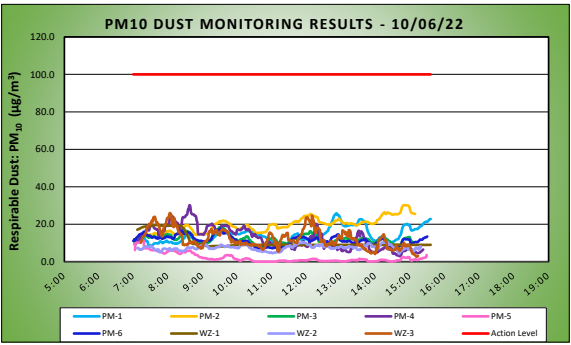


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|  | DAILY AIR MONITORING REPORT | | 10/06/22 | |
| | 250 Water Street Remediation Site | | | |
| | Manhattan, New York | | | |
| | Project number: 170381202 | | | Rev. No. 0 |
| | Page 1 of 2 | | | |
| Submitted By: | | | 100 | |
| Dust Action Level ($\mu\text{g}/\text{m}^3$) | | | | |
| VOC Action Level (ppm) | | | | |
| Hg Action Level ($\mu\text{g}/\text{m}^3$) | | | 1.0 | |

| | | | | | | | | |
|---------------------------------|-------------|------------------|-----------|-----------------------|---------------|-----------------|------|--|
| Weather Data Range for Work Day | | Wind Direction | NNW | Relative Humidity (%) | 35.4 - 74.0 | Daily Rain (in) | 0.00 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temp (°F) | 57.9 - 74.8 | Wind Speed (MPH) | 0.6 - 6.4 | Barometer (inHg) | 30.01 - 30.06 | | | |

| 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 | 14.3 | 25.8 | 12:53 | 0.0 | 0.0 | 11:32 |
| PM-2 | 19.5 | 30.2 | 14:50 | 0.0 | 0.0 | 7:02 |
| PM-3 | 12.1 | 19.0 | 9:34 | 0.0 | 0.0 | 7:02 |
| PM-4 | 12.4 | 30.2 | 8:38 | 0.1 | 0.2 | 12:57 |
| PM-5 | 2.2 | 11.2 | 7:17 | 0.1 | 0.2 | 10:26 |
| PM-6 | 11.5 | 17.4 | 9:31 | 0.0 | 0.0 | 10:09 |
| WZ-1 | 10.7 | 20.0 | 7:43 | 0.0 | 0.0 | 9:57 |
| WZ-2 | 7.5 | 10.6 | 14:20 | 0.0 | 0.0 | 7:07 |
| WZ-3 | 12.1 | 26.0 | 8:04 | 0.1 | 0.1 | 13:47 |

| 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 | 11:19 |
| PM-2 | 0.00 | 0.01 | 9:51 |
| PM-3 | 0.01 | 0.22 | 13:02 |
| PM-4 | 0.00 | 0.01 | 10:28 |
| PM-5 | 0.02 | 0.04 | 9:48 |
| PM-6 | 0.01 | 0.02 | 9:54 |
| WZ-1 | 0.01 | 0.03 | 9:24 |
| WZ-2 | 0.00 | 0.02 | 15:12 |
| WZ-3 | 0.00 | 0.02 | 12:40 |



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 (1.0 $\mu\text{g}/\text{m}^3$, 5.0 ppm and 0.100 mg/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 0.03 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

Equipment Troubleshooting

- The Jerome® J505 at perimeter CAMP station PM-3 did not transmit data through the remote telemetry system throughout the work day. The mercury vapor data from the Jerome® J505 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® J505 unit.

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 0.07 $\mu\text{g}/\text{m}^3$.
- 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 6:52am to 3:20pm 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 6:52am to 3:12pm during backfilling activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:58am to 3:14pm during backfilling activities 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® J505 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 between 3:04pm and 3:30pm 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 0.03 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

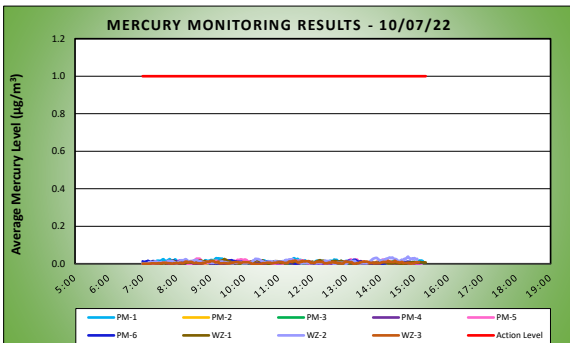
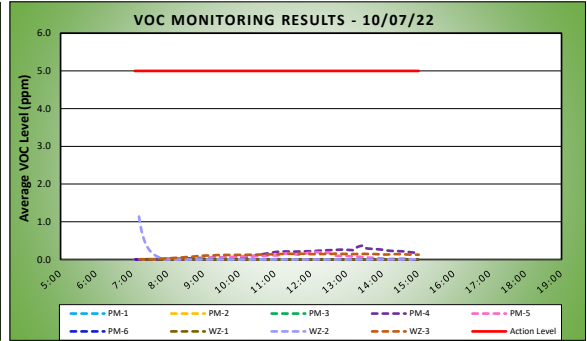
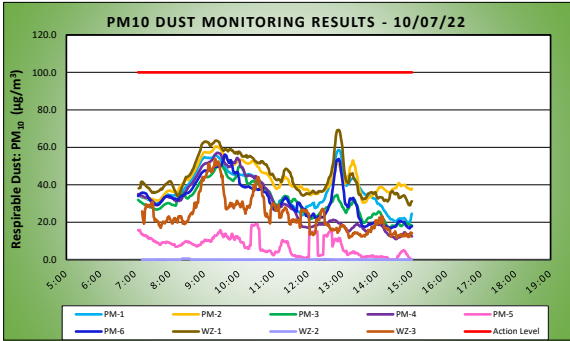


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|---|--|--|----------|------------|
|  | DAILY AIR MONITORING REPORT | | 10/07/22 | |
| | 250 Water Street Remediation Site | | | |
| | Manhattan, New York | | | |
| | Project number: 170381202 | | | Rev. No. 0 |
| | Page 1 of 2 | | | |
| Submitted 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

Prior to implementation of ground-intrusive work each day, instantaneous background concentrations of mercury vapor and VOCs were recorded using a handheld Jerome[®] JS05 mercury vapor analyzer and a handheld PID, respectively.

- 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 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.

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.

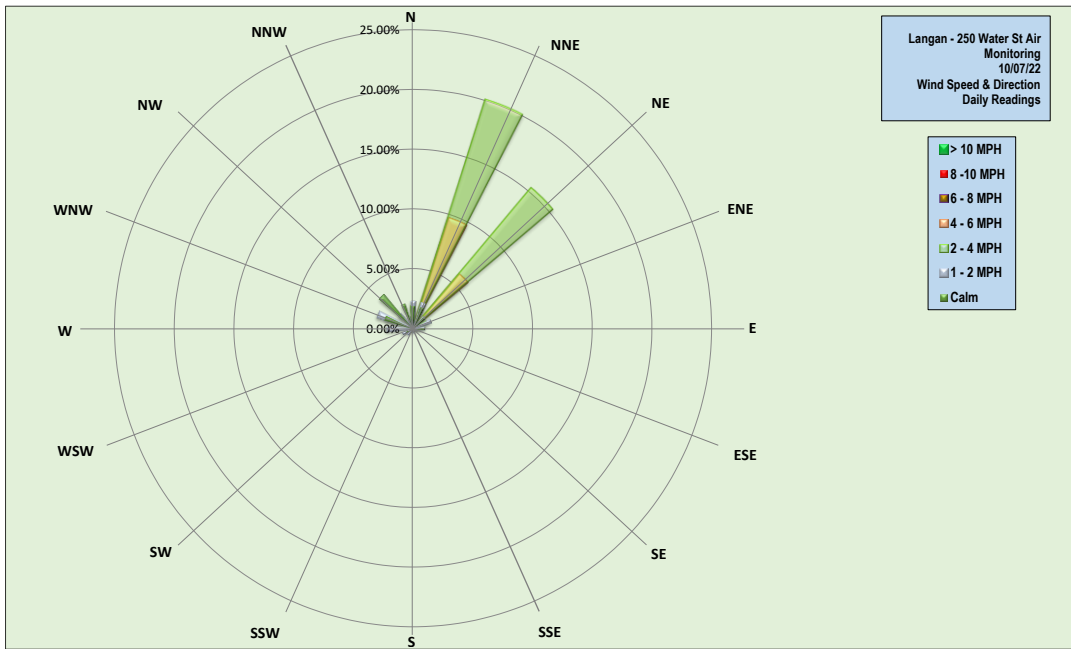
- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 6:57am to 3:00pm during removal of steel sheet piles in the southeastern part of the site.

- 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.





DAILY AIR MONITORING REPORT

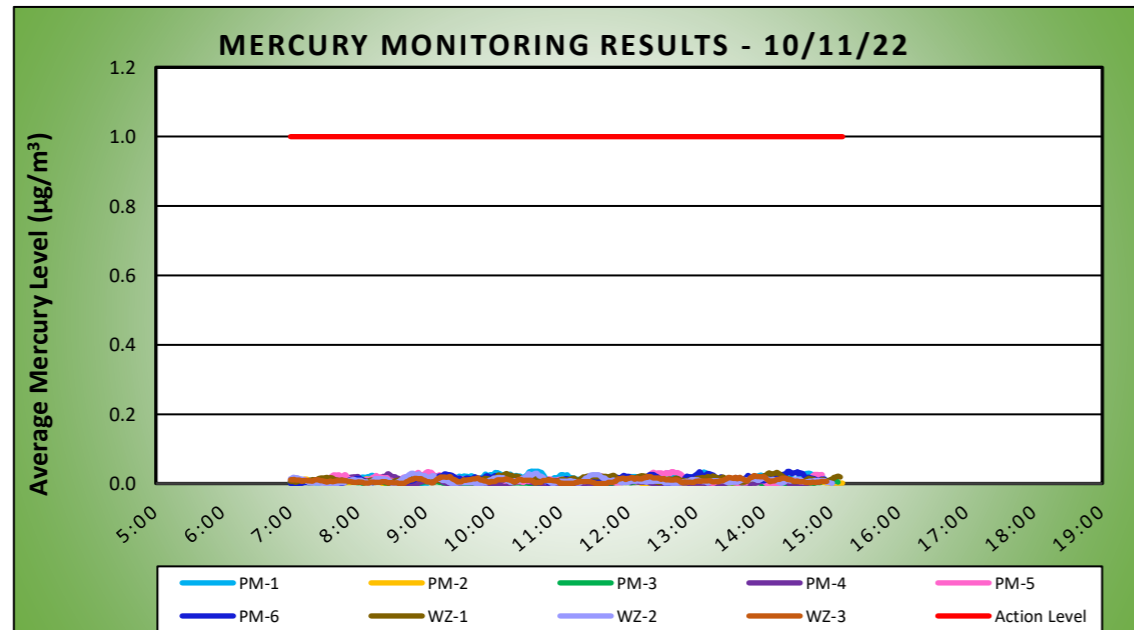
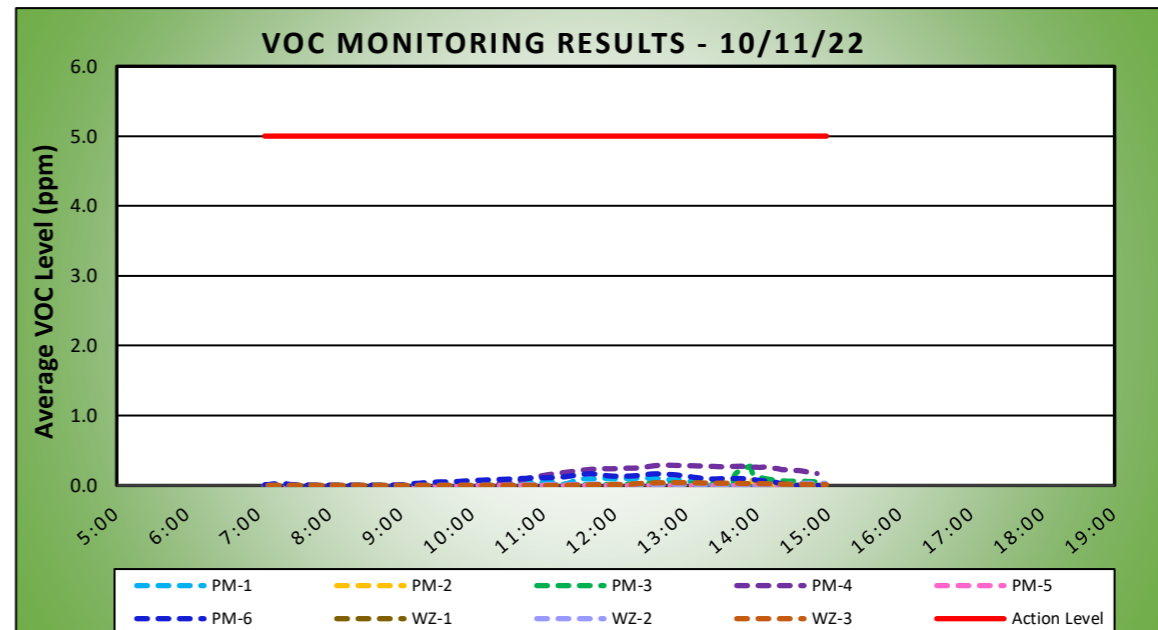
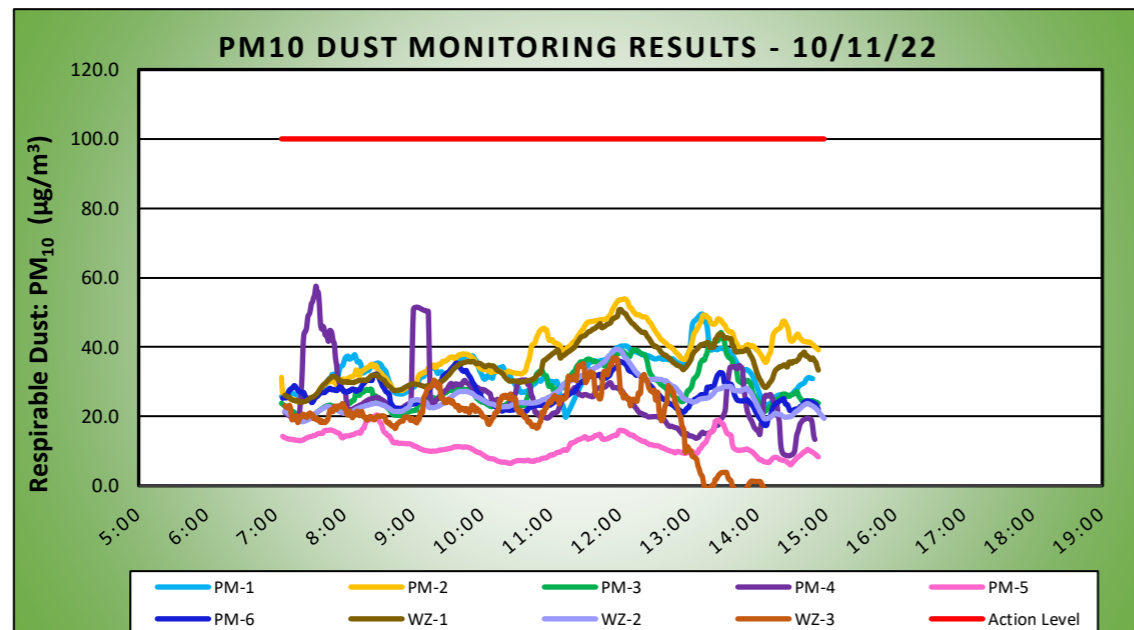
250 Water Street Remediation Site Manhattan, New York

| | |
|--|------------|
| 10/11/22 | |
| Project number: 170381202 | |
| Page 1 of 2 | Rev. No. 0 |
| Submitted By: | |
| 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 | NE | Relative Humidity (%) | 36.9 - 68.5 | Daily Rain (in) | 0.00 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temp (°F) | 54.6 - 70.3 | Wind Speed (MPH) | 0.6 - 5.1 | Barometer (inHg) | 30.34 - 30.41 | | | |

| 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 | 32.3 | 49.5 | 13:11 | 0.0 | 0.1 | 12:25 |
| PM-2 | 38.7 | 53.9 | 12:04 | 0.0 | 0.1 | 13:55 |
| PM-3 | 27.7 | 44.2 | 13:28 | 0.0 | 0.3 | 13:54 |
| PM-4 | 25.2 | 57.6 | 7:35 | 0.1 | 0.3 | 12:43 |
| PM-5 | 11.8 | 20.4 | 8:28 | 0.0 | 0.0 | 7:05 |
| PM-6 | 26.4 | 35.9 | 12:00 | 0.1 | 0.2 | 11:40 |
| WZ-1 | 34.9 | 50.8 | 12:00 | 0.0 | 0.0 | 7:08 |
| WZ-2 | 25.4 | 39.4 | 11:58 | 0.0 | 0.0 | 14:57 |
| WZ-3 | 17.2 | 36.9 | 11:54 | 0.0 | 0.0 | 12:49 |

| 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 | 0.02 | 0.04 | 10:34 |
| PM-2 | 0.00 | 0.02 | 9:03 |
| PM-3 | 0.00 | 0.01 | 12:54 |
| PM-4 | 0.00 | 0.03 | 8:27 |
| PM-5 | 0.01 | 0.03 | 9:02 |
| PM-6 | 0.01 | 0.03 | 14:22 |
| WZ-1 | 0.01 | 0.03 | 14:12 |
| WZ-2 | 0.01 | 0.03 | 10:37 |
| WZ-3 | 0.01 | 0.02 | 13:51 |



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

- 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 0.03 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

Equipment Troubleshooting

- PM10 concentrations were not recorded at perimeter CAMP station PM-1 from 11:14am to 11:15am (2 minutes) due to a low battery causing the DustTrak unit to shut down. Data logging for PM10 resumed at 11:16am after replacement of the battery. Fugitive dust was not observed migrating from the site during this time.

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 0.29 $\mu\text{g}/\text{m}^3$.
- 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 6:53am to 2:53pm 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 6:53am to 2:57pm during site grading and 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 6:53am to 2:56pm during site grading and 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® J505 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 2:48pm to 2:58pm 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 0.06 $\mu\text{g}/\text{m}^3$.

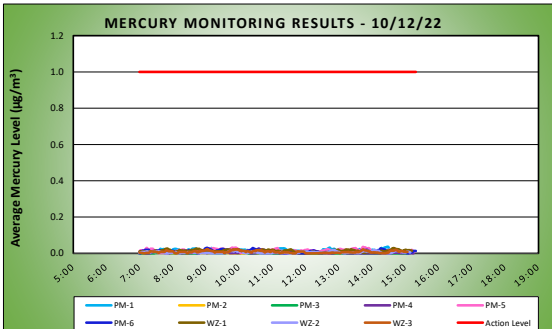
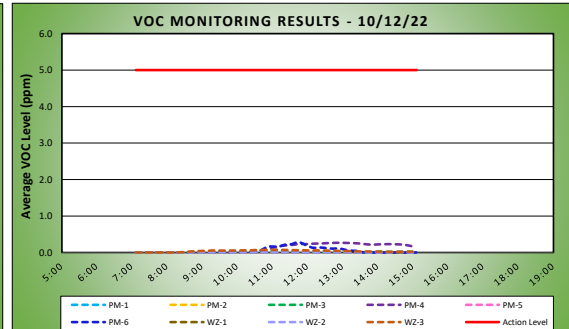
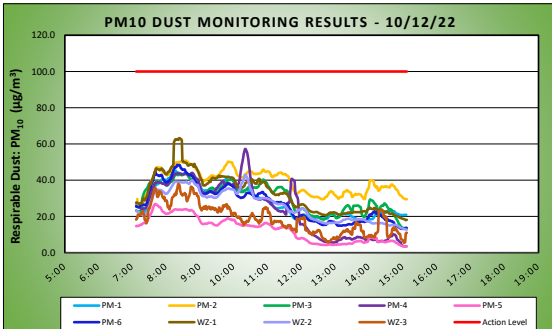


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|  | DAILY AIR MONITORING REPORT | | 10/12/22 | |
| | 250 Water Street Remediation Site | | | |
| | Manhattan, New York | | | |
| | Project number: 170381202 | | | Rev. No. 0 |
| | Page 1 of 2 | | | |
| Submitted By: | | | 100 | |
| Dust Action Level ($\mu\text{g}/\text{m}^3$) | | | | |
| VOC Action Level (ppm) | | | | |
| Hg Action Level ($\mu\text{g}/\text{m}^3$) | | | 5 | |
| | | | 1.0 | |

| | | | | | | | | |
|---------------------------------|-------------|------------------|-----------|-----------------------|---------------|-----------------|------|--|
| Weather Data Range for Work Day | | Wind Direction | N | Relative Humidity (%) | 40.4 - 68.5 | Daily Rain (in) | 0.00 | Readings in the summary table and graphs below are the reported downwind concentrations. |
| Temp (°F) | 58.1 - 70.5 | Wind Speed (MPH) | 0.2 - 7.3 | Barometer (inHg) | 30.21 - 30.33 | | | |

| 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 | 28.3 | 45.3 | 8:17 | 0.0 | 0.1 | 11:05 |
| PM-2 | 39.0 | 50.8 | 8:34 | 0.0 | 0.0 | 7:07 |
| PM-3 | 30.1 | 43.5 | 8:34 | 0.0 | 0.0 | 14:04 |
| PM-4 | 24.2 | 57.2 | 10:21 | 0.1 | 0.3 | 12:54 |
| PM-5 | 12.8 | 26.9 | 7:41 | 0.0 | 0.0 | 12:23 |
| PM-6 | 27.1 | 48.6 | 8:20 | 0.1 | 0.3 | 11:44 |
| WZ-1 | 32.5 | 63.3 | 8:24 | 0.0 | 0.0 | 7:07 |
| WZ-2 | 25.7 | 43.1 | 10:21 | 0.0 | 0.0 | 14:37 |
| WZ-3 | 18.7 | 38.0 | 8:22 | 0.0 | 0.1 | 10:57 |

| 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 | 0.02 | 0.04 | 14:27 |
| PM-2 | 0.01 | 0.02 | 9:19 |
| PM-3 | 0.00 | 0.01 | 7:38 |
| PM-4 | 0.00 | 0.02 | 7:31 |
| PM-5 | 0.02 | 0.04 | 13:44 |
| PM-6 | 0.01 | 0.03 | 9:01 |
| WZ-1 | 0.01 | 0.03 | 14:39 |
| WZ-2 | 0.01 | 0.02 | 14:03 |
| WZ-3 | 0.01 | 0.02 | 9:03 |



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 CAMF (1.00 $\mu\text{g}/\text{m}^3$, 5.0 ppm and 0.100 mg/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 CAMF station ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.05 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMF station were recorded at 0.0 ppm.

Equipment Troubleshooting

- PM10 concentrations were not recorded at off-site CAMF station WZ-1 from 9:38am to 9:43am (5 minutes) due to a low battery causing the DustTrak unit to shut down. Data logging for PM10 resumed at 9:44am after replacement of the battery. Fugitive dust was not observed migrating from the site and PM10 concentrations at perimeter CAMF station PM-5 were not recorded above background concentrations during this time.

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 0.23 $\mu\text{g}/\text{m}^3$.

- 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.

CAMF Station Relocation

- CAMF station WZ-1 was relocated to the northern sidewalk of Pearl Street from 6:52am to 3:07pm during excavation activities in the northern part of the site.

- CAMF station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 6:52am to 3:07pm during removal of steel sheet piling in the southeastern part of the site.

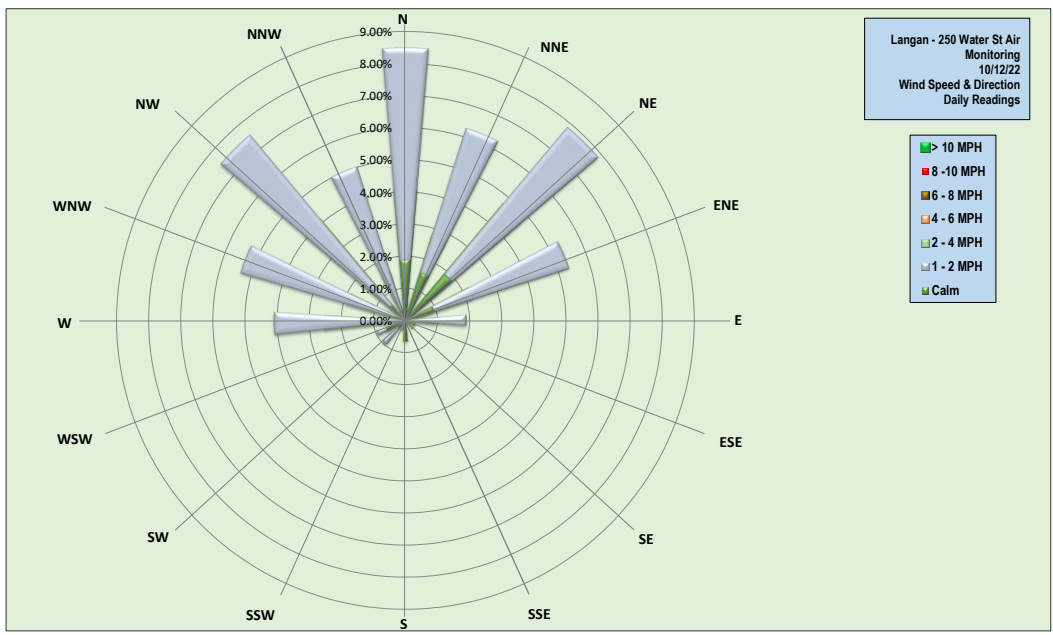
- CAMF station WZ-3 was relocated to the southern sidewalk of Water Street from 6:52am to 3:04pm during removal of steel sheet piles in the southeastern part of the site.

Prior to CAMF Shutdown

Prior to discontinuing CAMF, air quality at each CAMF 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 were covered with polyethylene sheeting and/or Atmos® AC-645 dust/vapor suppressing foam. CAMF stations were discontinued at between 3:03pm and 3:07pm at the conclusion of ground-intrusive activities.

- Mercury vapor concentrations at each CAMF station ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.04 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMF station were recorded at 0.0 ppm.







DAILY AIR MONITORING REPORT

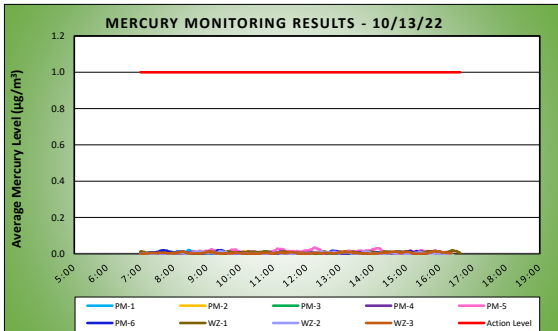
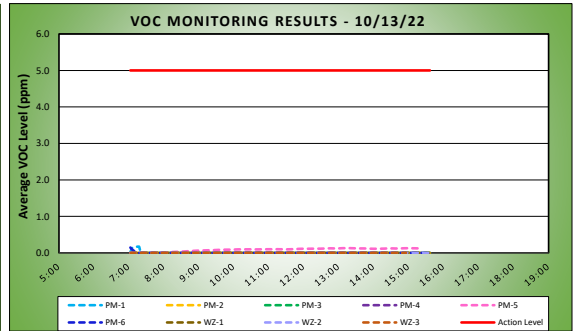
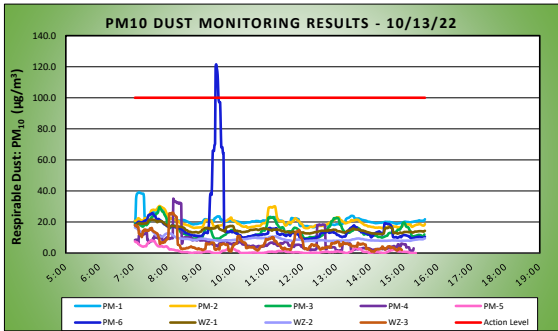
250 Water Street Remediation Site Manhattan, New York

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|--|------------|
| 10/13/22 | |
| Project number: 170381202 | |
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| Submitted By: | |
| 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 | NE | Relative Humidity (%) | 71.0 - 87.9 | Daily Rain (in) | 0.04 | Readings in the summary table and graphs below are the reported downwind concentrations. |
|---------------------------------|-------------|------------------|-----------|-----------------------|---------------|-----------------|------|--|
| Temp (°F) | 64.7 - 69.9 | Wind Speed (MPH) | 0.9 - 9.8 | Barometer (inHg) | 29.85 - 30.01 | | | |

| 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 | 21.2 | 39.1 | 7:10 | 0.0 | 0.2 | 7:15 |
| PM-2 | 19.8 | 30.3 | 7:46 | 0.0 | 0.0 | 7:09 |
| PM-3 | 14.6 | 29.6 | 7:47 | 0.0 | 0.0 | 7:03 |
| PM-4 | 6.8 | 35.1 | 8:11 | 0.0 | 0.0 | 7:03 |
| PM-5 | 1.4 | 8.2 | 7:32 | 0.1 | 0.1 | 13:18 |
| PM-6 | 16.7 | * 121.5 | 9:27 | 0.0 | 0.1 | 7:03 |
| WZ-1 | 15.1 | 21.6 | 7:33 | 0.0 | 0.0 | 7:05 |
| WZ-2 | 9.3 | 16.5 | 7:03 | 0.0 | 0.0 | 7:03 |
| WZ-3 | 6.4 | 26.0 | 8:10 | 0.0 | 0.0 | 7:03 |

| 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 | 8:26 |
| PM-2 | 0.00 | 0.01 | 10:07 |
| PM-3 | 0.00 | 0.01 | 10:44 |
| PM-4 | 0.00 | 0.01 | 9:08 |
| PM-5 | 0.01 | 0.03 | 12:15 |
| PM-6 | 0.01 | 0.02 | 9:25 |
| WZ-1 | 0.01 | 0.02 | 16:23 |
| WZ-2 | 0.00 | 0.01 | 9:22 |
| WZ-3 | 0.00 | 0.02 | 15:49 |



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 or VOCs that approached or exceeded the action levels established by the CAMP (1.00 $\mu\text{g}/\text{m}^3$ and 5.0 ppm, 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 0.11 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

Perimeter and Work Zone Concentrations

- * PM10 concentrations at perimeter CAMP station PM-6 exceeded the action level established in CAMP from 9:26am to 9:31am (6 minutes) due to sweeping of the sidewalk adjacent to the CAMP station. The exceedance was not the result of ground-intrusive activities associated with soil/fill at the site and fugitive dust was not observed migrating from the site during this time.

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 0.23 $\mu\text{g}/\text{m}^3$.
- 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 6:51am to 3:37pm during excavation activities in the northern part of the site.
- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 6:48am to 3:37pm during removal of steel sheet piles and excavation activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:48am to 2:56pm during removal of steel shaft piles and excavation activities 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™ J505 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 between 2:56pm and 3:37pm 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 0.04 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.



