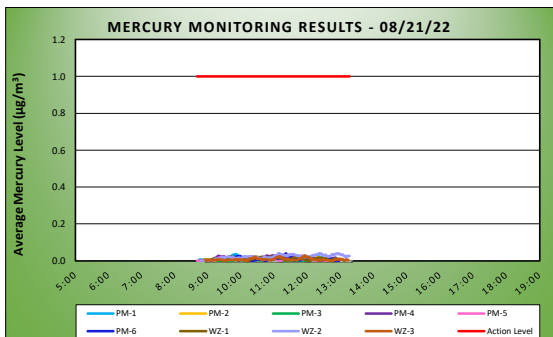
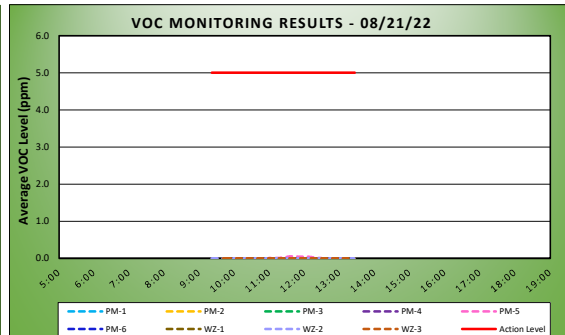
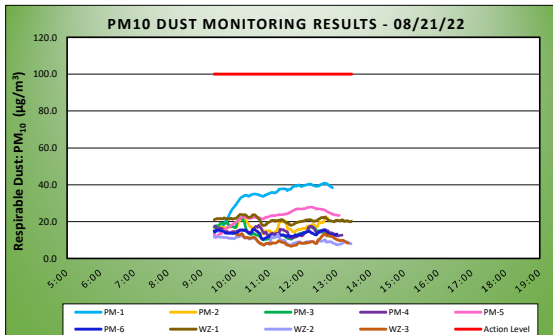


	DAILY AIR MONITORING REPORT		08/21/22	
	250 Water Street Remediation Site			
	Manhattan, New York			
	Project number: 170381202		Page 1 of 2	
	Submitted By:		Rev. No. 0	
Dust Action Level ($\mu\text{g}/\text{m}^3$)		100		
VOC Action Level (ppm)		5		
Hg Action Level ($\mu\text{g}/\text{m}^3$)		1.0		

Weather Data Range for Work Day		Wind Direction	N	Relative Humidity (%)	58.0 - 80.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	77.0 - 83.0	Wind Speed (MPH)	0.0 - 6.9	Barometer (inHg)	30.10 - 30.20			

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	33.4	40.8	12:38	0.0	0.0	9:22
PM-2	17.3	22.7	12:40	0.0	0.0	9:22
PM-3	14.6	22.1	10:07	0.0	0.0	9:22
PM-4	14.5	18.0	10:41	0.0	0.0	9:22
PM-5	23.5	27.9	12:12	0.0	0.1	11:39
PM-6	13.6	15.7	10:30	0.0	0.0	9:22
WZ-1	20.9	23.9	10:08	0.0	0.0	9:22
WZ-2	9.7	13.1	11:15	0.0	0.0	9:22
WZ-3	9.6	13.5	12:39	0.0	0.0	9:41

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	0.04	9:51
PM-2	0.01	0.03	11:55
PM-3	0.00	0.01	10:20
PM-4	0.01	0.03	11:00
PM-5	0.01	0.02	9:22
PM-6	0.01	0.04	11:21
WZ-1	0.01	0.02	11:43
WZ-2	0.02	0.04	11:09
WZ-3	0.01	0.02	11:55



Air Monitoring Notes:

Langan performed air monitoring at the perimeter of the site and at work zones at nine total locations for mercury vapor, 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 VOCs, PM10 and mercury vapor that approached or exceeded the action level established by the CAMP (5.0 ppm, 0.100 mg/m³ and 1.00 $\mu\text{g}/\text{m}^3$, 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 at 0.00 $\mu\text{g}/\text{m}^3$ to 0.02 $\mu\text{g}/\text{m}^3$. 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 0.0 $\mu\text{g}/\text{m}^3$ 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. 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 9:07am to 1:36pm due to exposed soil within 20 feet of the northern site boundary. CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 9:07am to 1:25pm due to exposed soil within 20 feet of the eastern site boundary.

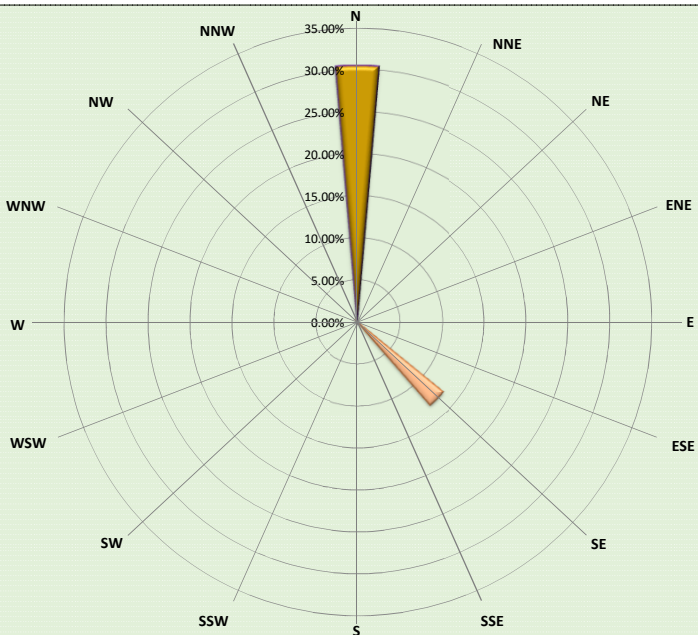
CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 9:47am to 1:20pm due to exposed soil within 20 feet of the southern site boundary.

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 12:29pm and 12:41pm at the conclusion of ground-intrusive activities.

Mercury vapor concentrations at each CAMP station ranged from 0.0 $\mu\text{g}/\text{m}^3$ to 0.01 $\mu\text{g}/\text{m}^3$. VOC concentrations at each CAMP station was recorded at 0.0 ppm.

Langan - 250 Water St Air
Monitoring
08/21/22
Wind Speed & Direction
Daily Readings



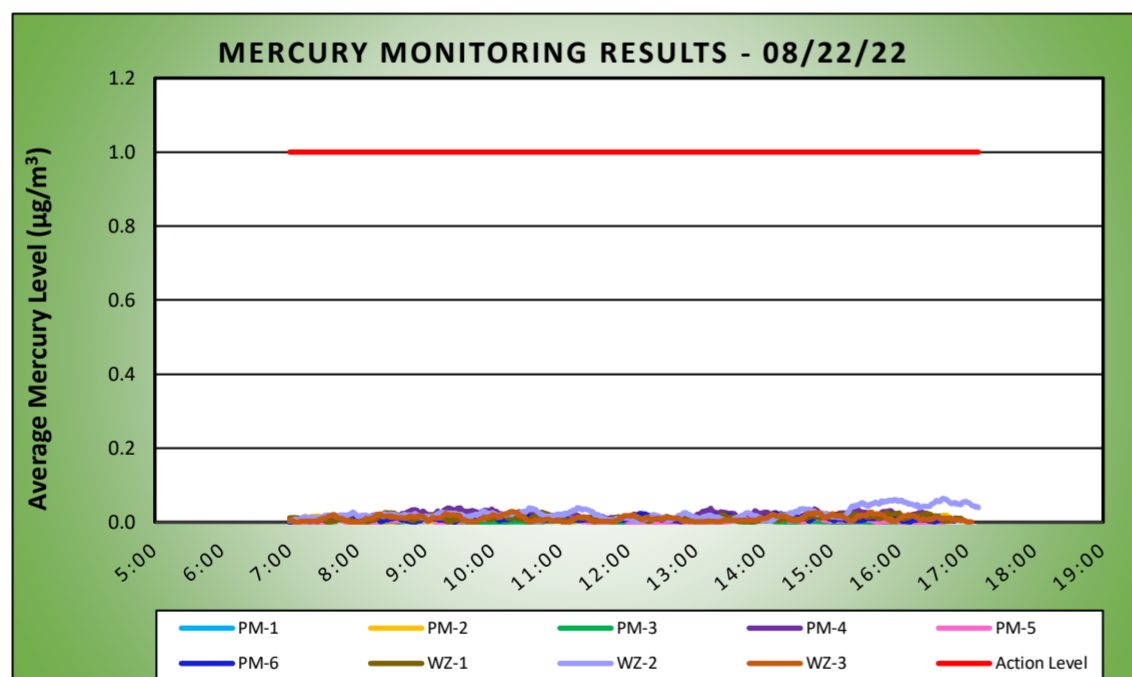
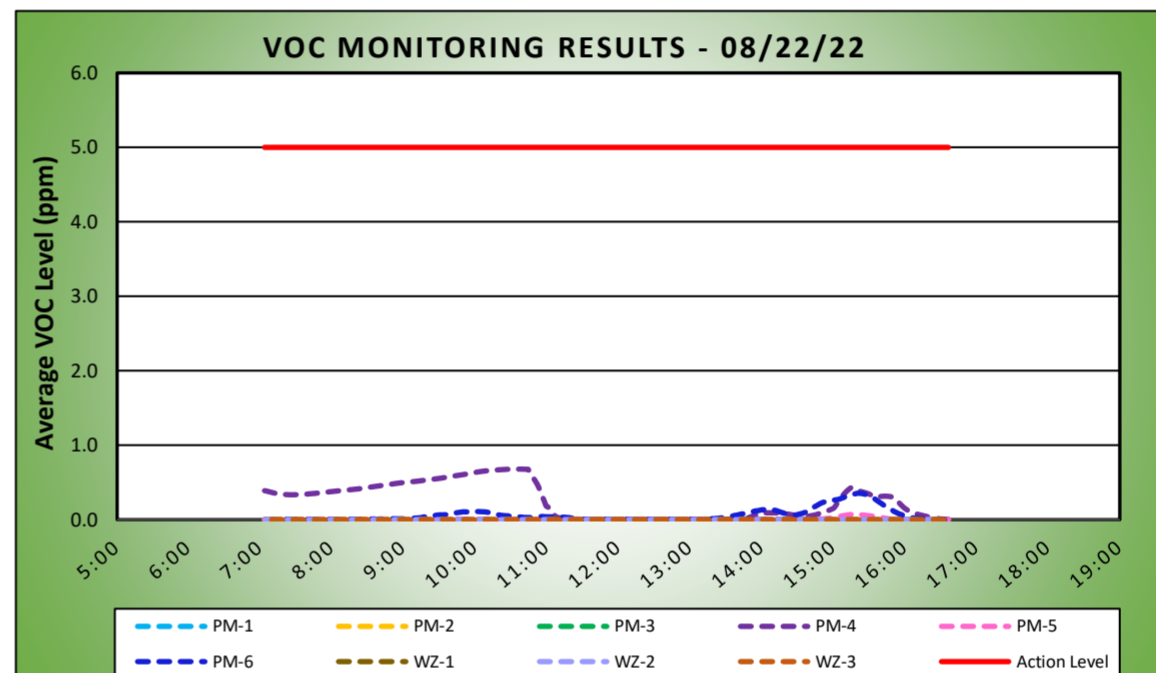
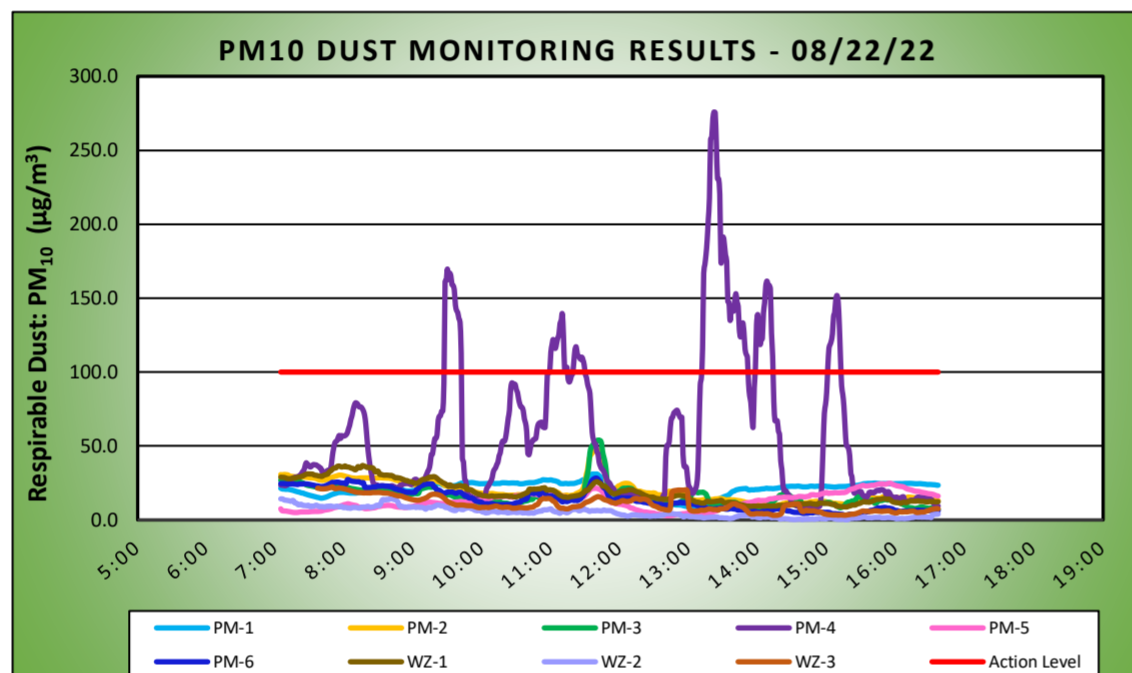
- > 10 MPH
- 8 - 10 MPH
- 6 - 8 MPH
- 4 - 6 MPH
- 2 - 4 MPH
- 1 - 2 MPH
- Calm

	DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York			08/22/22	
				Project number: 170381202	
				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	N	Relative Humidity (%)	66.0 - 94.0	Daily Rain (in)	0.12	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp ($^{\circ}\text{F}$)	73.0 - 81.0	Wind Speed (MPH)	0.0 - 8.1	Barometer (inHg)	29.90 - 30.00			

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		21.3	31.1	11:40	0.0	0.0	13:12
PM-2		19.7	47.4	11:40	0.0	0.0	7:04
PM-3		16.3	54.0	11:41	0.0	0.0	10:17
PM-4		56.1	* 275.9	13:22	0.2	0.7	10:38
PM-5		13.0	24.8	15:55	0.0	0.1	15:17
PM-6		13.7	28.3	11:39	0.1	0.4	15:21
WZ-1		18.9	36.8	8:16	0.0	0.0	7:09
WZ-2		5.1	14.5	8:42	0.0	0.0	7:05
WZ-3		10.6	22.4	7:50	0.0	0.0	7:10

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	10:38
PM-2		0.01	0.02	15:09
PM-3		0.00	0.01	7:39
PM-4		0.02	0.04	9:31
PM-5		0.00	0.02	10:16
PM-6		0.01	0.03	14:10
WZ-1		0.01	0.03	15:49
WZ-2		0.02	0.06	16:39
WZ-3		0.01	0.03	10:16



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 VOCs and mercury vapor that approached or exceeded the action level established by the CAMP (5.0 ppm and 1.00 $\mu\text{g}/\text{m}^3$, 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.

Perimeter and Work Zone Concentrations

* PM10 concentrations at perimeter CAMP station PM-4 exceeded the action level established in the CAMP (0.100 mg/m³) from 9:28am to 9:42am (15 minutes), 11:00am to 11:14am (15 minutes), 11:20am to 11:29am (10 minutes), 1:12pm to 1:51pm (40 minutes), 1:58pm to 2:13pm (16 minutes), and 3:01pm to 3:12pm (12 minutes). The exceedances were caused by welding activities adjacent to perimeter CAMP station PM-4 and were not the result of ground-intrusive activities associated with soil/fill at the site. 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 0.0 $\mu\text{g}/\text{m}^3$ to 0.12 $\mu\text{g}/\text{m}^3$.
- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 6:54am to 4:37pm during excavation activities along the northern boundary of the site.
- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 6:50am to 4:37pm during excavation activities along the eastern boundary of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 7:22am to 4:37pm due to exposed soil within 20 feet of the southern site boundary.

Equipment Troubleshooting

- PM10 concentrations at perimeter CAMP station PM-3 were not recorded at 12:34pm during data transfer to recover data from the previous work day. There were no ground-intrusive activities ongoing during this time and fugitive dust was not observed migrating from the site. Data logging for PM10 at perimeter CAMP station PM-3 resumed at 12:35pm.

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 4:37pm, the conclusion of ground-intrusive activities.

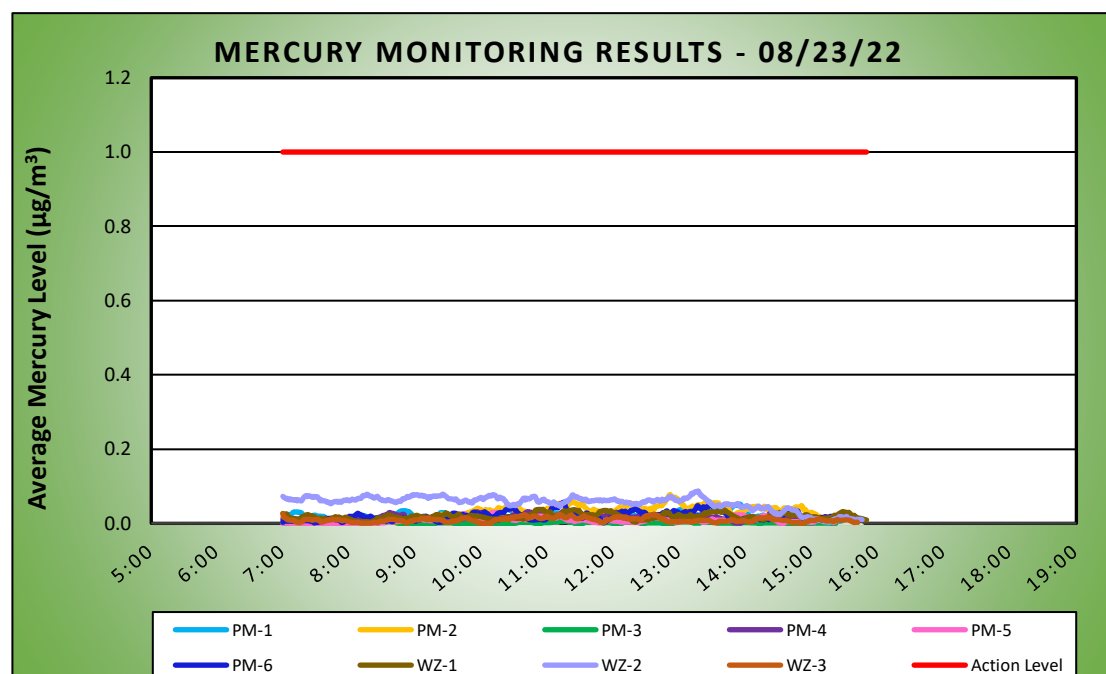
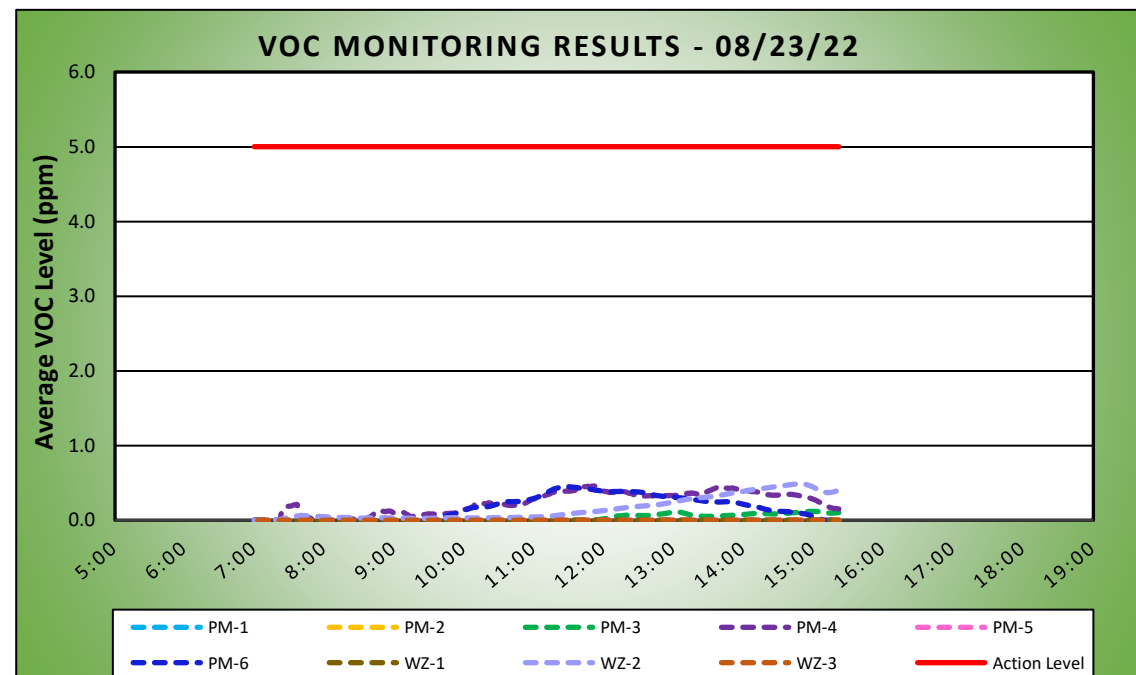
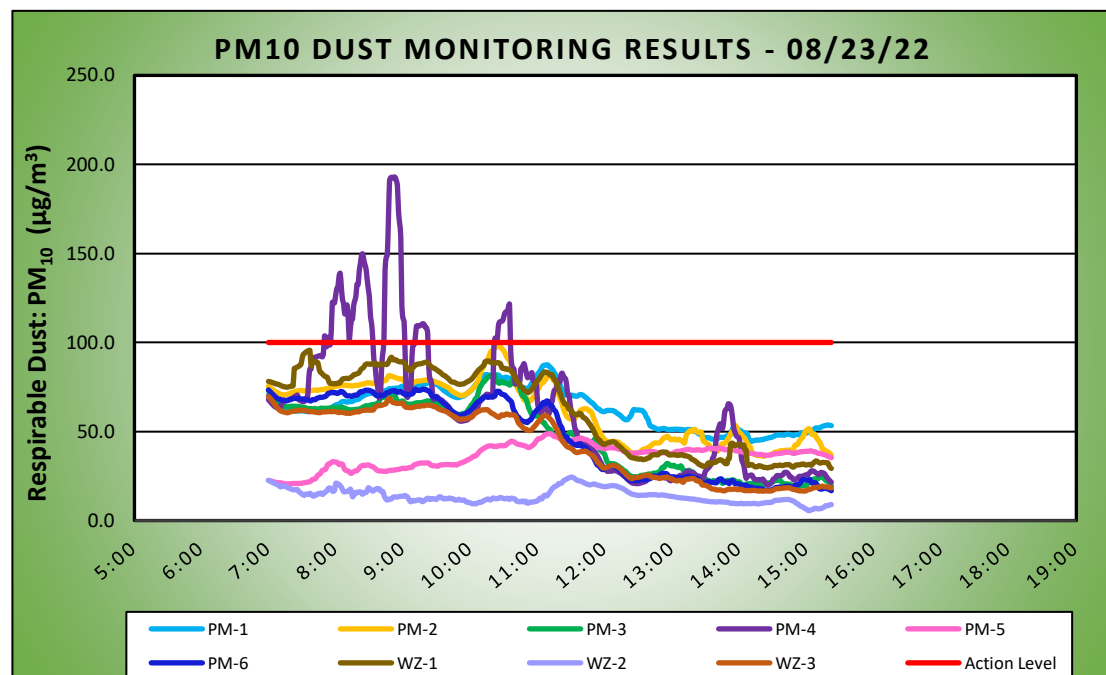
- Mercury vapor concentrations at each CAMP station ranged from 0.0 $\mu\text{g}/\text{m}^3$ to 0.06 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

	DAILY AIR MONITORING REPORT		08/23/22		
	250 Water Street Remediation Site				Project number: 170381202
	Manhattan, New York				Page 1 of 2
					Rev. No. 0
					Submitted By:
					Dust Action Level ($\mu\text{g}/\text{m}^3$)
				VOC Action Level (ppm)	100
				Hg Action Level ($\mu\text{g}/\text{m}^3$)	5
					1.0

Weather Data Range for Work Day		Wind Direction	N	Relative Humidity (%)	51.0 - 94.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	72.0 - 86.0	Wind Speed (MPH)	0.0 - 7.7	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	63.6	87.4	11:08	0.0	0.0	7:00
PM-2	61.8	99.2	10:25	0.0	0.0	7:00
PM-3	47.4	82.6	10:21	0.0	0.1	14:58
PM-4	62.0	* 193.0	8:52	0.2	0.5	11:51
PM-5	35.8	48.7	11:10	0.0	0.0	7:03
PM-6	47.2	73.8	9:11	0.2	0.5	11:27
WZ-1	61.3	95.5	7:37	0.0	0.0	8:49
WZ-2	13.9	24.4	11:30	0.2	0.5	14:49
WZ-3	42.9	69.7	7:00	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	0.02	0.05	13:55
PM-2	0.03	0.08	12:51
PM-3	0.00	0.01	11:10
PM-4	0.02	0.03	11:17
PM-5	0.01	0.03	10:14
PM-6	0.02	0.06	11:15
WZ-1	0.02	0.04	10:56
WZ-2	0.05	0.09	13:17
WZ-3	0.01	0.03	7:00



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 VOCs and mercury vapor that approached or exceeded the action level established by the CAMP (5.0 ppm and 1.00 $\mu\text{g}/\text{m}^3$, 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.

Perimeter and Work Zone Concentrations

* PM10 concentrations at perimeter CAMP station PM-4 exceeded the action level established in the CAMP (0.100 mg/m^3) from 7:50am to 7:51am (2 minutes), 7:53am to 7:54am (2 minutes), 7:56am to 8:33am (38 minutes), 8:43am to 9:01am (19 minutes), 9:11am to 9:22am (12 minutes), and 10:22am to 10:35am (14 minutes). The exceedances were caused by welding activities adjacent to perimeter CAMP station PM-4 and were not the result of ground-intrusive activities associated with soil/fill at the site. Fugitive dust was not observed migrating from the site during this time.

Ambient Air (Handheld Jerome® J505 and Handheld PID)

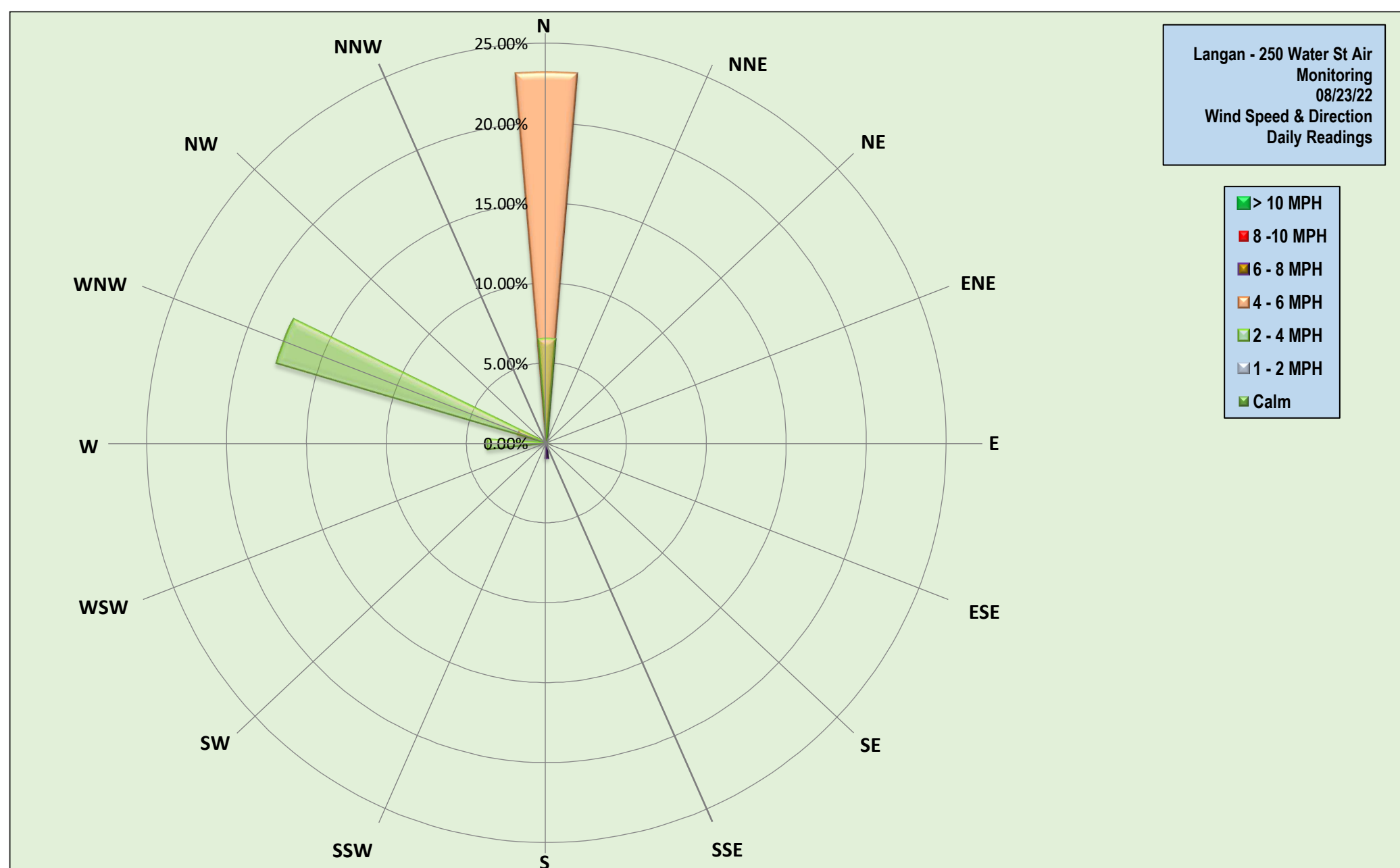
- The dedicated mobile monitor (Langan) used a handheld Jerome® J505 mercury vapor analyzer to monitor ambient air conditions at various heights throughout the site. Instantaneous mercury vapor concentrations throughout the site ranged from 0.0 $\mu\text{g}/\text{m}^3$ to 0.51 $\mu\text{g}/\text{m}^3$.
- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 6:42am to 3:22pm during excavation activities along the northern boundary of the site.
- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 6:42am to 3:22pm during excavation activities in the northeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:48am to 3:22pm due to exposed soil within 20 feet of the southern site boundary.

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 3:22pm at the conclusion of ground-intrusive activities.
- Mercury vapor concentrations at each CAMP station ranged from 0.0 $\mu\text{g}/\text{m}^3$ to 0.07 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station was recorded at 0.0 ppm.





DAILY AIR MONITORING REPORT

250 Water Street Remediation Site

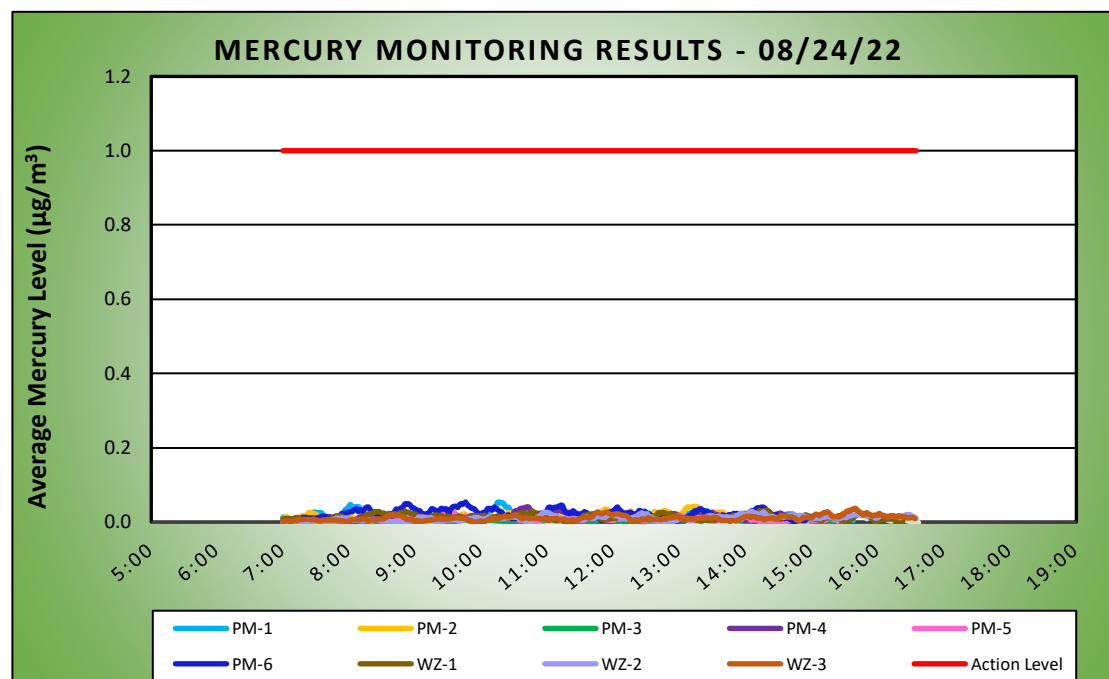
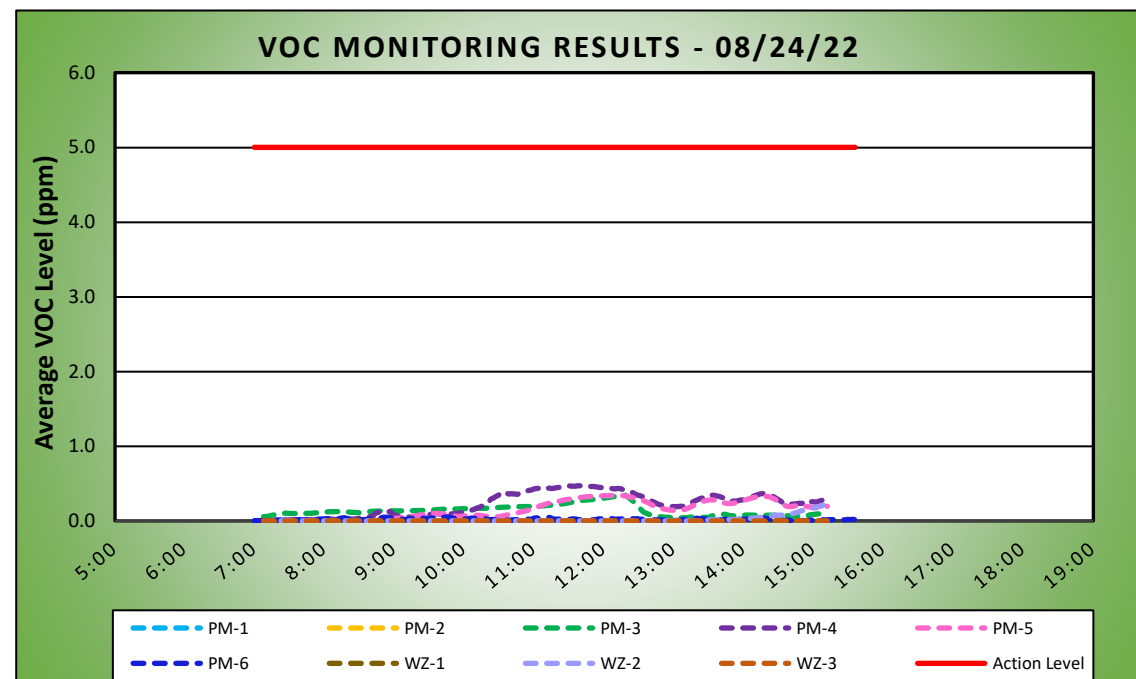
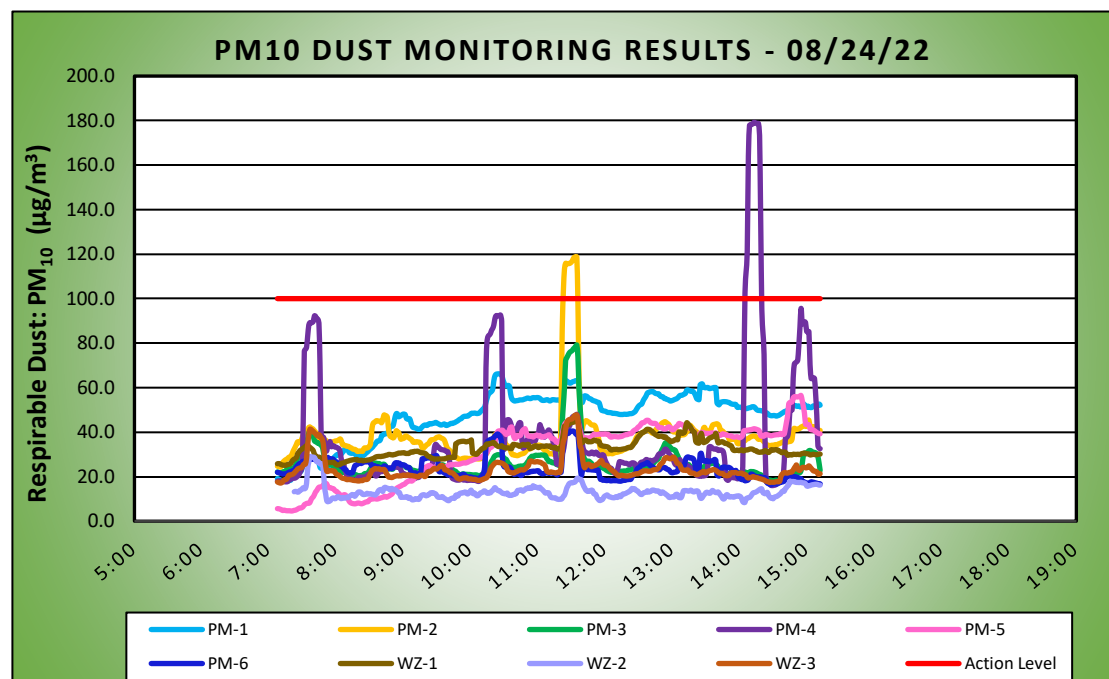
Manhattan, New York

08/24/22	
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	N	Relative Humidity (%)	36.0 - 76.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	70.0 - 89.0	Wind Speed (MPH)	0.0 - 6.9	Barometer (inHg)	29.90 - 30.00			

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	46.9	66.2	10:25	0.0	0.0	7:08
PM-2	38.5	* 118.7	11:35	0.0	0.0	7:08
PM-3	26.3	79.1	11:35	0.1	0.3	12:18
PM-4	37.2	** 179.2	14:13	0.2	0.5	11:43
PM-5	30.8	56.5	14:55	0.1	0.3	12:13
PM-6	23.6	40.5	11:31	0.0	0.1	9:46
WZ-1	32.6	45.1	11:35	0.0	0.0	7:08
WZ-2	13.2	29.0	7:37	0.0	0.2	15:12
WZ-3	23.2	47.7	11:35	0.0	0.0	7:08

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	0.05	10:17
PM-2	0.02	0.04	13:13
PM-3	0.00	0.01	13:14
PM-4	0.01	0.04	10:41
PM-5	0.01	0.03	9:26
PM-6	0.02	0.05	9:46
WZ-1	0.01	0.03	14:13
WZ-2	0.01	0.03	14:06
WZ-3	0.01	0.04	15:40



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 VOCs and mercury vapor that approached or exceeded the action level established by the CAMP (5.0 ppm and 1.00 $\mu\text{g}/\text{m}^3$, 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 0.02 $\mu\text{g}/\text{m}^3$.
- 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-2 exceeded the action level established in the CAMP (0.100 mg/m^3) from 11:23am to 11:35am (13 minutes). During this time, CCJV was in the process of applying Atmos® AC-645 dust/vapor suppressing foam to exposed soil/fill across the site and fugitive dust was not observed migrating from the site.

** PM10 concentrations at perimeter CAMP station PM-4 exceeded the action level established in the CAMP (0.100 mg/m^3) from 2:05pm to 2:19pm (15 minutes). The exceedance was caused by welding activities adjacent to perimeter CAMP station PM-4 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 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 2.28 $\mu\text{g}/\text{m}^3$.

- Three instantaneous mercury vapor readings were recorded above 1.00 $\mu\text{g}/\text{m}^3$ (1.42 $\mu\text{g}/\text{m}^3$ at 1:08pm, 1.05 $\mu\text{g}/\text{m}^3$ at 1:22pm, and 2.28 $\mu\text{g}/\text{m}^3$ at 1:24pm), however, mercury vapor was not detected at concentrations approaching or exceeding the action level established in the CAMP at any perimeter or off-site CAMP station throughout the work day.

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 3:12pm during excavation activities along the northern boundary of the site.

- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 7:08am to 3:12pm during excavation activities in the northeastern part of the site.

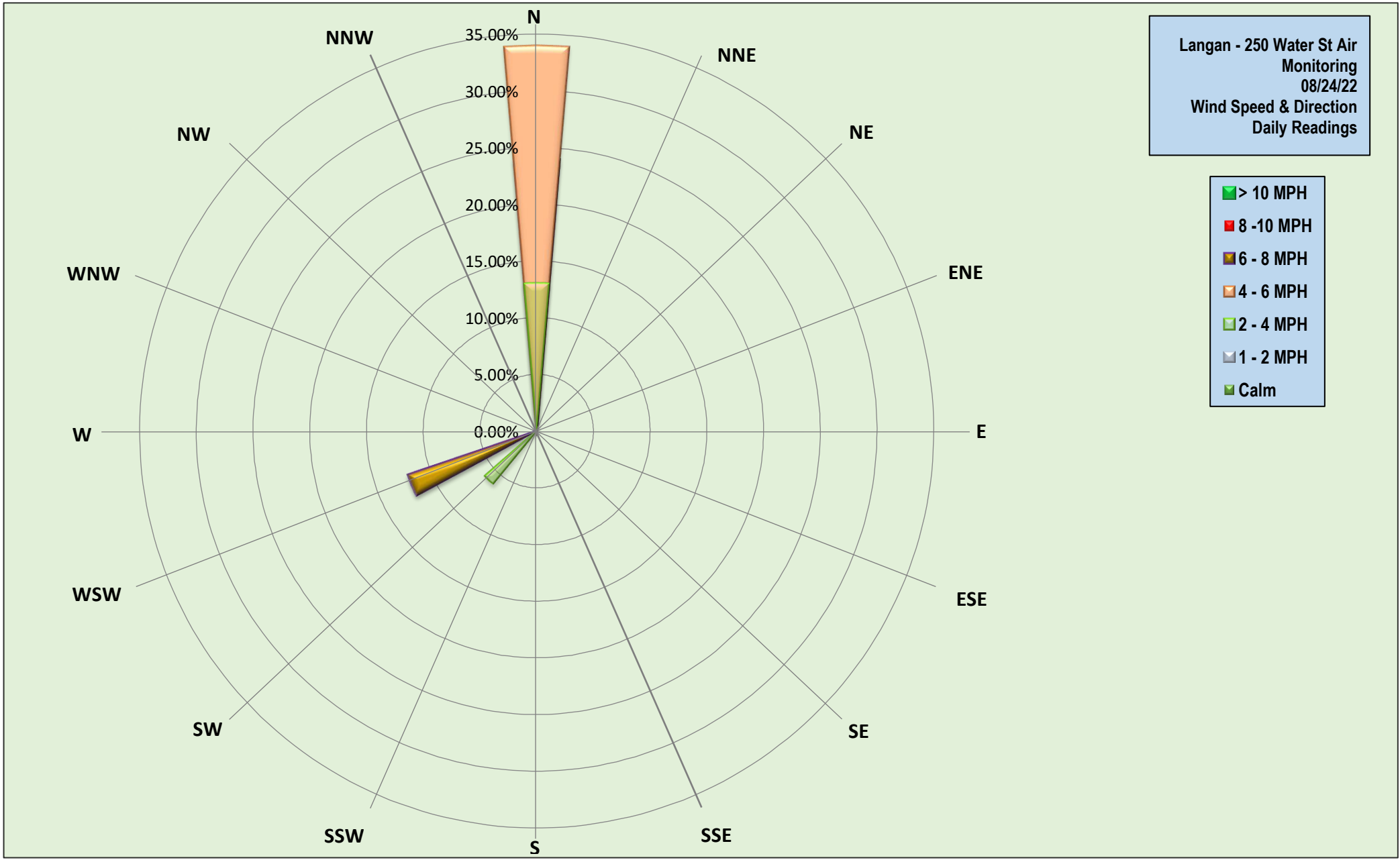
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:53m to 3:12pm due to exposed soil within 20 feet of the southern site boundary.

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 3:12pm at the conclusion of ground-intrusive activities.

- Mercury vapor concentrations at each CAMP station ranged from 0.0 $\mu\text{g}/\text{m}^3$ to 0.06 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station ranged from 0.0 ppm to 0.2 ppm.



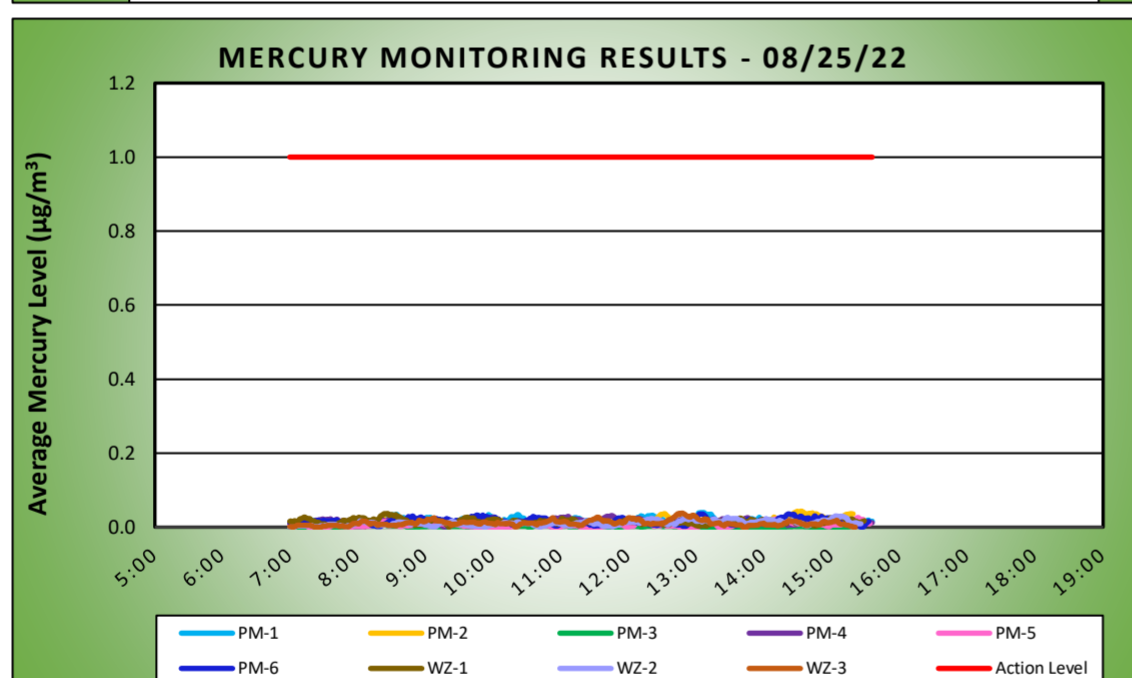
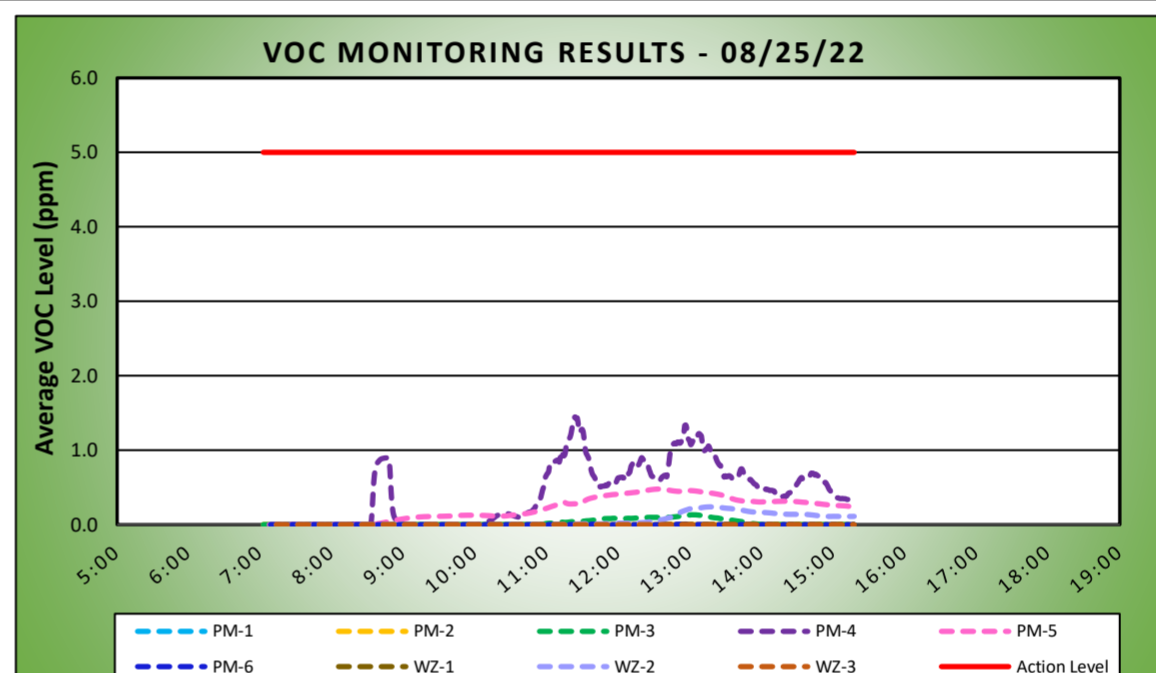
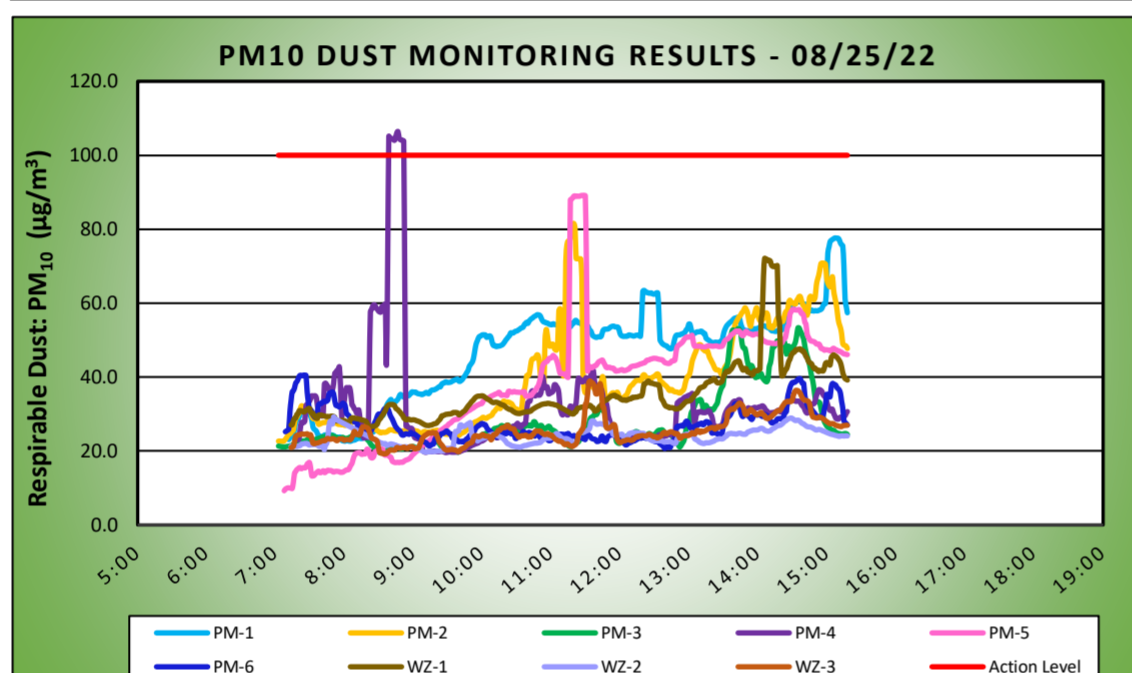


	DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York				08/25/22					
					Project number: 170381202				Page 1 of 2	
					Submitted By:				Rev. No. 0	
					Dust Action Level ($\mu\text{g}/\text{m}^3$)				100	
					VOC Action Level (ppm)				5	
Hg Action Level ($\mu\text{g}/\text{m}^3$)				1.0						

Weather Data Range for Work Day		Wind Direction	NNW	Relative Humidity (%)	27.0 - 71.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	70.0 - 90.0	Wind Speed (MPH)	0.6 - 4.0	Barometer (inHg)	30.00 - 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		46.6	77.6	15:08	0.0	0.0	7:14
PM-2		39.4	81.5	11:20	0.0	0.0	14:03
PM-3		27.9	53.3	14:35	0.0	0.1	13:02
PM-4		32.4	* 106.4	8:47	0.4	1.4	11:24
PM-5		37.4	89.1	11:27	0.2	0.5	12:36
PM-6		27.2	40.5	7:25	0.0	0.0	12:56
WZ-1		35.1	72.1	14:06	0.0	0.0	7:14
WZ-2		23.8	29.2	7:51	0.1	0.2	13:17
WZ-3		25.5	39.0	11:34	0.0	0.0	7:14

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		0.02	0.04	13:04
PM-2		0.01	0.04	14:33
PM-3		0.00	0.01	8:15
PM-4		0.01	0.03	11:45
PM-5		0.01	0.03	15:23
PM-6		0.02	0.04	14:22
WZ-1		0.01	0.04	8:24
WZ-2		0.01	0.03	15:03
WZ-3		0.01	0.04	12:48



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 VOCs and mercury vapor that approached or exceeded the action level established by the CAMP (5.0 ppm and 1.00 $\mu\text{g}/\text{m}^3$, 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.

Perimeter and Work Zone Concentrations

*PM10 concentrations at perimeter CAMP station PM-4 exceeded the action level established in the CAMP (0.100 mg/m^3) from 8:39am to 8:52am (14 minutes). The exceedance was caused exhaust from an active generator adjacent to perimeter CAMP station PM-4 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 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 0.17 $\mu\text{g}/\text{m}^3$.
- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. VOC concentrations were at or below background concentrations throughout the work day, with the exception of screening during exposure of the USTs in the northeastern part of the site.

CAMP Station Relocation

- CAMP station WZ-1 was relocated to the northern sidewalk of Pearl Street from 6:59am to 3:18pm during excavation activities in the northeastern part of the site.
- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 6:59am to 3:18pm during excavation activities in the northeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:59am to 3:18pm due to exposed soil within 20 feet of the southern site boundary.

Equipment Troubleshooting

- PM10 concentrations were not recorded at off-site CAMP station WZ-2 between 7:54am and 8:16am during replacement of the external battery. No ground-intrusive activities were ongoing during this time and fugitive dust was not observed migrating from the site. Data logging at off-site CAMP station WZ-2 resumed at 8:17am following replacement of the battery. Additionally, perimeter CAMP station PM-4, which was located between the work area and the off-site CAMP station, did not record PM10 at concentrations above background conditions during this time.

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 3:18pm at the conclusion of ground-intrusive activities.

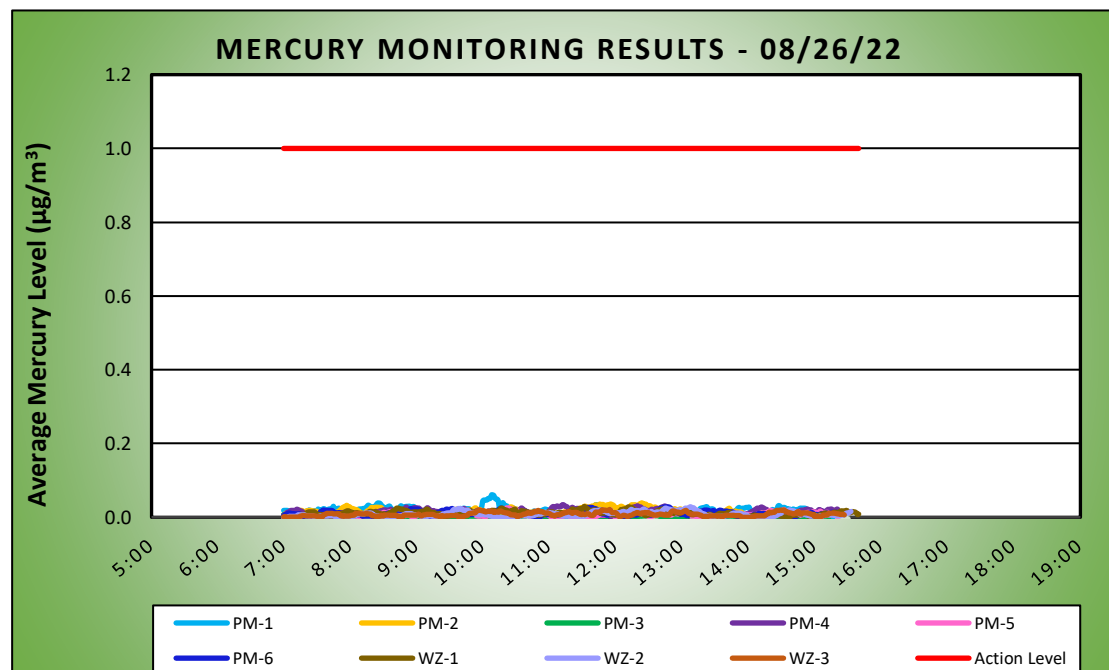
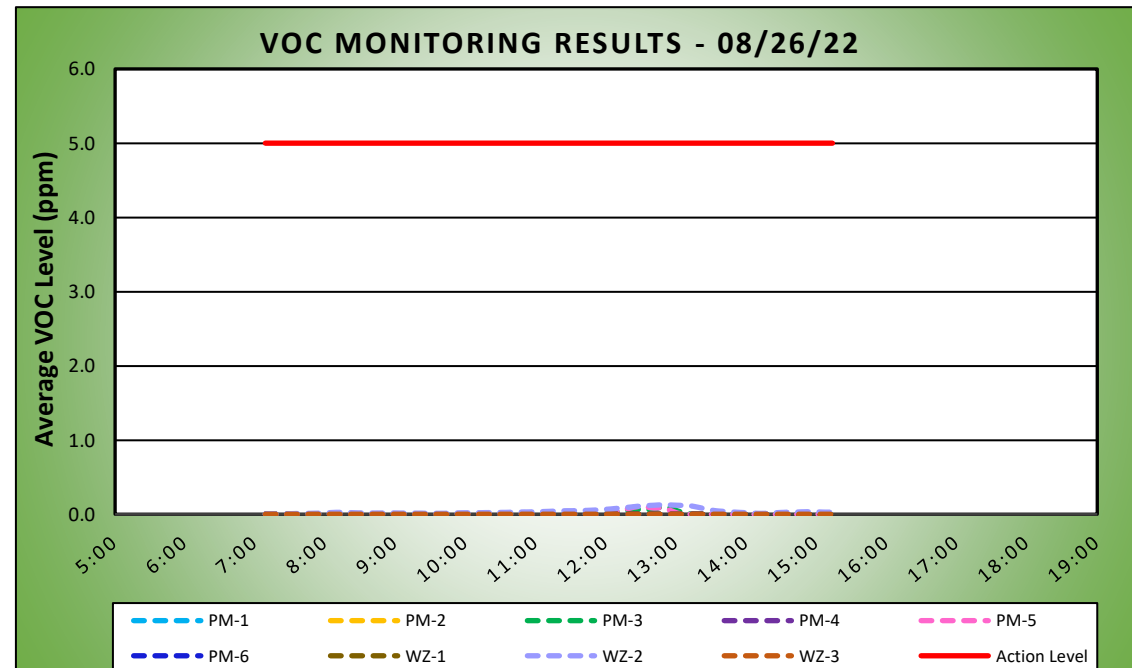
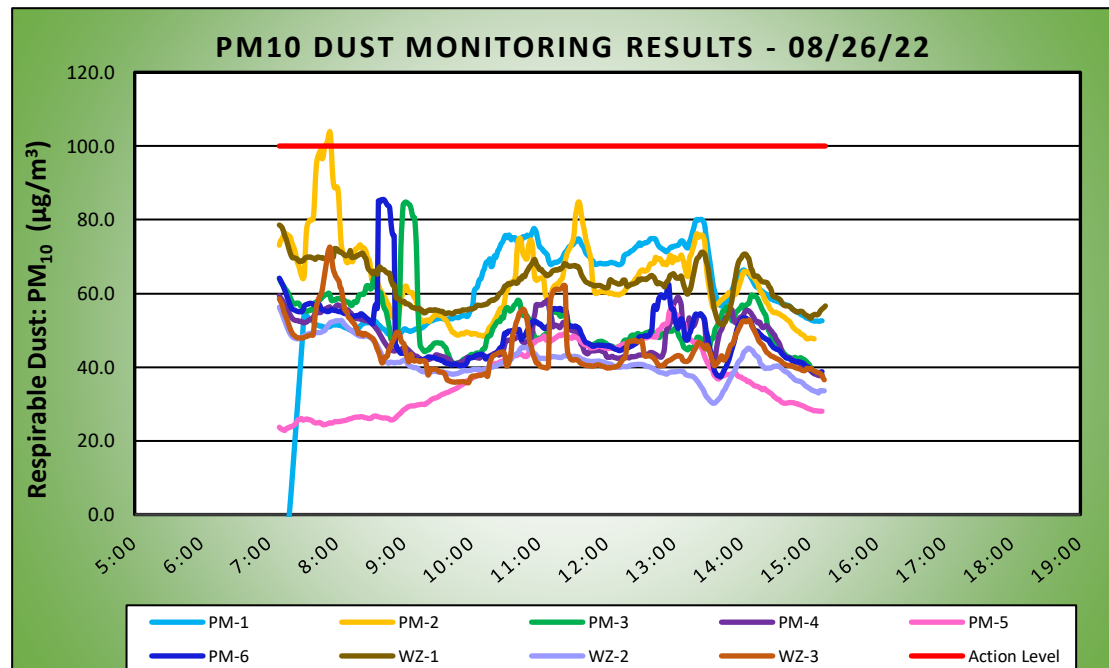
- Mercury vapor concentrations at each CAMP station ranged from 0.0 $\mu\text{g}/\text{m}^3$ to 0.03 $\mu\text{g}/\text{m}^3$.

	DAILY AIR MONITORING REPORT				08/26/22	
	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	N	Relative Humidity (%)	60.0 - 87.0	Daily Rain (in)	0.24	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	74.0 - 86.0	Wind Speed (MPH)	0.0 - 6.9	Barometer (inHg)	29.90 - 30.00			

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	59.1	80.1	13:23	0.0	0.0	7:09
PM-2	63.7	* 103.9	7:54	0.0	0.0	7:09
PM-3	51.8	84.8	9:01	0.0	0.1	12:49
PM-4	48.0	59.4	7:09	0.0	0.0	7:09
PM-5	36.7	56.2	12:58	0.0	0.1	12:30
PM-6	49.7	85.5	8:41	0.0	0.0	7:09
WZ-1	62.9	78.6	7:09	0.0	0.0	7:09
WZ-2	41.7	56.3	7:09	0.0	0.1	12:49
WZ-3	45.4	72.6	7:54	0.0	0.0	7:09

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	0.06	10:08
PM-2	0.02	0.04	12:24
PM-3	0.00	0.01	13:18
PM-4	0.02	0.03	11:12
PM-5	0.01	0.03	10:22
PM-6	0.01	0.03	12:44
WZ-1	0.01	0.03	11:32
WZ-2	0.01	0.03	13:08
WZ-3	0.01	0.02	11:55



Air Monitoring Notes:

Langan performed air monitoring at the perimeter of the site and at work zones at nine total locations for mercury vapor, 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 VOCs and mercury vapor that approached or exceeded the action level established by the CAMP (5.0 ppm and 1.00 $\mu\text{g}/\text{m}^3$, 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.

Perimeter and Work Zone Concentrations

* PM10 concentrations at perimeter CAMP station PM-2 exceeded the action level established in the CAMP (0.100 mg/m³) from 7:50am to 7:55am (6 minutes). During this time, CCJV was sweeping the sidewalk adjacent to the perimeter 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.

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 0.22 $\mu\text{g}/\text{m}^3$.
- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. VOC concentrations were at or below background concentrations throughout the work day, with the exception of screening during exposure of the USTs in the northeastern part of the site.

CAMP Station Relocation

- CAMP station WZ-1 was relocated to the northern sidewalk of Pearl Street from 6:54am to 3:13pm during excavation activities in the northeastern part of the site.
- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 6:54am to 3:13pm during excavation activities in the northeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:54am to 3:13pm due to exposed soil within 20 feet of the southern site boundary.

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 3:03pm and 3:13pm at the conclusion of ground-intrusive activities.

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



DAILY AIR MONITORING REPORT

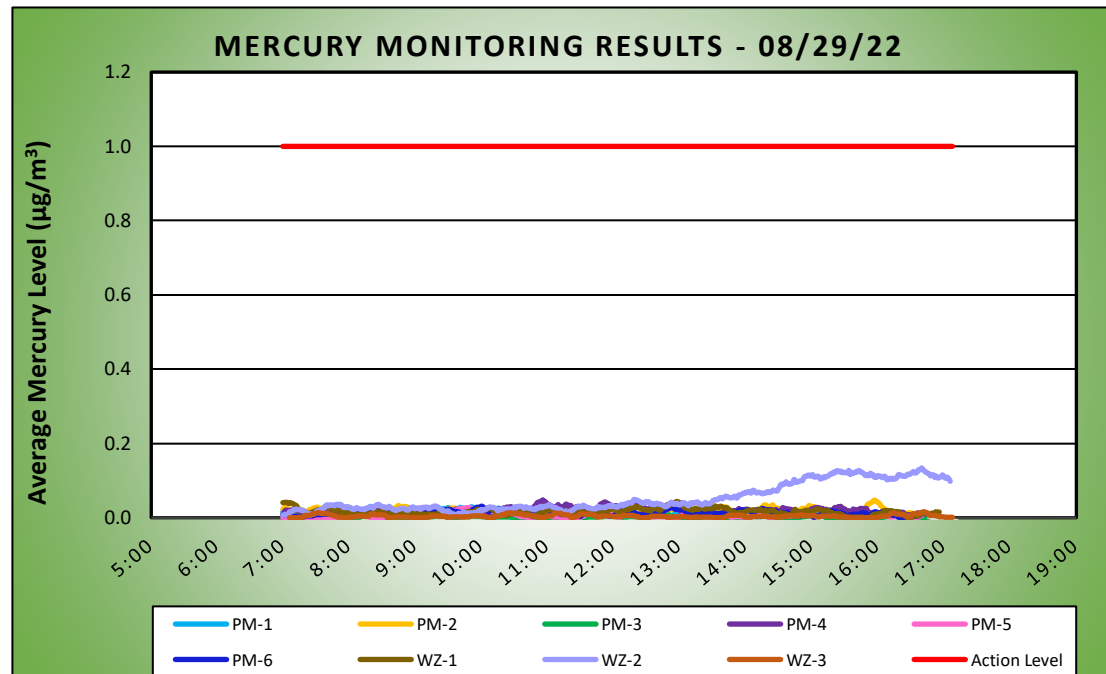
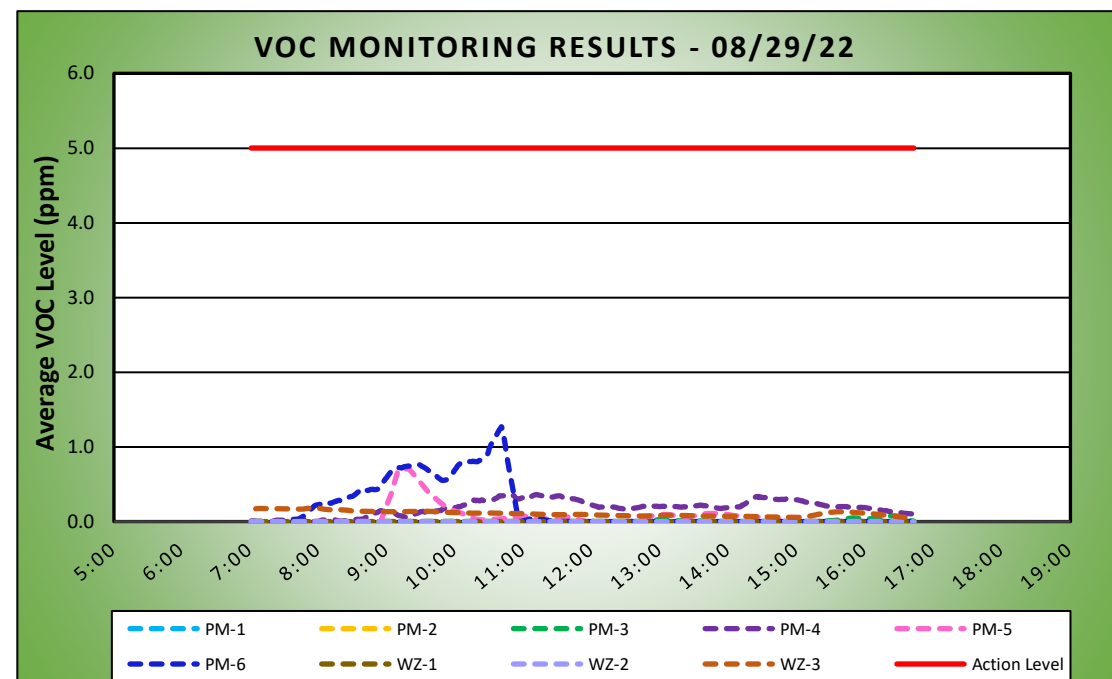
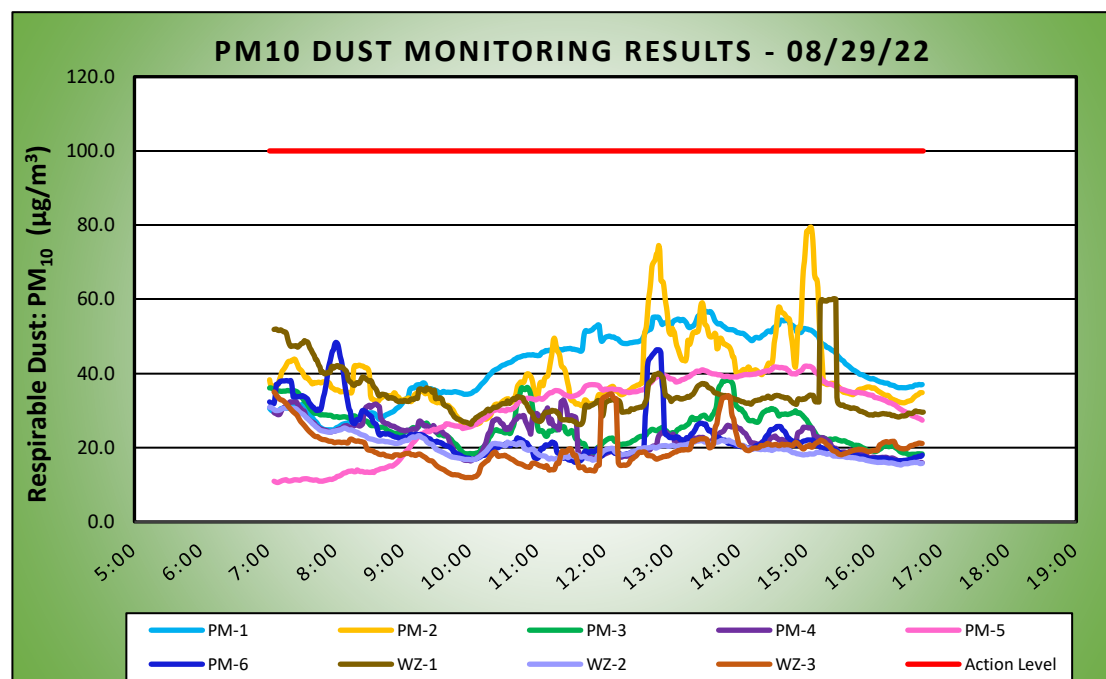
250 Water Street Remediation Site Manhattan, New York

08/29/22	
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	N	Relative Humidity (%)	60.0 - 87.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp ($^{\circ}\text{F}$)	75.0 - 86.0	Wind Speed (MPH)	0.0 - 5.8	Barometer (inHg)	30.10 - 30.20			

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	41.9	56.8	13:30	0.0	0.0	7:01
PM-2	39.9	79.4	15:04	0.0	0.0	7:01
PM-3	25.6	38.4	13:49	0.0	0.1	16:25
PM-4	23.1	32.9	11:23	0.2	0.4	11:12
PM-5	29.7	42.0	15:00	0.1	0.7	9:19
PM-6	23.3	48.4	8:00	0.2	1.3	10:41
WZ-1	34.5	60.2	15:24	0.0	0.0	7:05
WZ-2	20.4	30.9	7:01	0.0	0.0	7:01
WZ-3	20.1	35.0	7:05	0.1	0.2	7:55

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	8:19
PM-2	0.02	0.05	15:57
PM-3	0.00	0.01	7:44
PM-4	0.02	0.05	10:56
PM-5	0.01	0.03	9:50
PM-6	0.01	0.03	10:00
WZ-1	0.02	0.04	12:57
WZ-2	0.05	0.13	16:40
WZ-3	0.00	0.02	16:41



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, and PM10 that approached or exceeded the action level 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 ranged from 0.0 ppm to 0.2 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 0.27 $\mu\text{g}/\text{m}^3$.

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 6:50am to 4:43pm during excavation activities in the northeastern part of the site.
- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 6:46am to 4:43pm during excavation activities along Peck Slip.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:51am to 4:43pm due to excavation activities along Peck Slip.

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 4:35pm and 4:43pm at the conclusion of ground-intrusive activities.

- Mercury vapor concentrations at each CAMP station ranged from 0.0 $\mu\text{g}/\text{m}^3$ to 0.08 $\mu\text{g}/\text{m}^3$.
- VOCs concentrations at each CAMP station were recorded at 0.0 ppm.



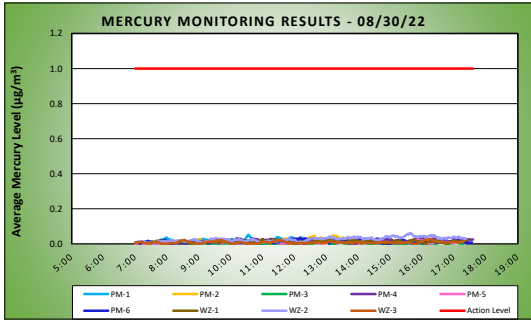
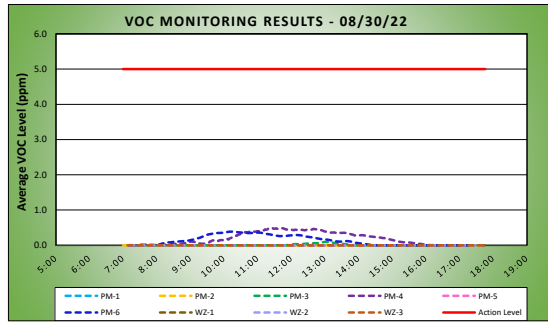
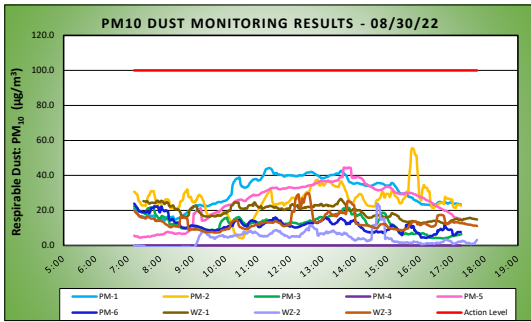
DAILY AIR MONITORING REPORT
250 Water Street Remediation Site
Manhattan, New York

08/30/22	
Project number: 170381202	
Page 1 of 2	Rev. No. 0
Submitted By:	
Dust Action Level (µg/m ³)	100
VOC Action Level (ppm)	5
Hg Action Level (µg/m ³)	1.0

Weather Data Range for Work Day		Wind Direction	N	Relative Humidity (%)	53.0 - 85.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	75.0 - 86.0	Wind Speed (MPH)	0.0 - 13.0	Barometer (inHg)	29.80 - 30.00			

Station Location Work Area	Daily Avg. Dust Concentration (µg/m ³)	Max 15 Minute Dust Concentration (µg/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	29.9	44.2	11:21	0.0	0.0	7:11
PM-2	26.4	55.6	15:45	0.0	0.0	7:00
PM-3	12.7	22.4	7:11	0.0	0.1	13:01
PM-4	0.0	0.0	7:14	0.2	0.5	11:27
PM-5	24.7	44.6	13:39	0.0	0.0	7:11
PM-6	11.9	23.9	7:11	0.1	0.4	10:11
WZ-1	19.3	26.6	13:33	0.0	0.0	7:28
WZ-2	4.0	23.8	14:41	0.0	0.0	7:11
WZ-3	13.6	29.8	12:34	0.0	0.0	7:08

Station Location Work Area	Daily Avg. Mercury Concentration (µg/m ³)	Max 15 Minute Mercury Concentration (µg/m ³)	Time of Max 15 Minute Avg Mercury Reading
PM-1	0.01	0.05	10:33
PM-2	0.02	0.05	13:12
PM-3	0.00	0.01	15:45
PM-4	0.02	0.04	15:52
PM-5	0.01	0.02	15:53
PM-6	0.01	0.03	12:11
WZ-1	0.01	0.03	11:23
WZ-2	0.03	0.06	15:37
WZ-3	0.01	0.03	16:17



Air Monitoring Notes:

Langan performed air monitoring at the perimeter of the site and at work zones at nine total locations for mercury vapor, VOC s, 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, and PM10 that approached or exceeded the action level established by the CAMP (1.00 µg/m³, 5.0 ppm, and 0.100 mg/m³, respectively).

Background Concentrations

- The dedicated mobile monitor (Langan) used 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 µg/m³ to 0.02 µg/m³.
- 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 µg/m³ to 0.22 µg/m³.
- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 7:13am to 5:27pm 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 5:23pm during excavation activities along Peck Slip and installation 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 6:56am to 5:19pm during excavation activities along Peck Slip and installation of steel sheet piles in the southeastern part of the site.

Equipment Troubleshooting

- PM10 concentrations were not recorded at perimeter CAMP station PM-2 between 10:33am and 11:07am due to a depleted battery. No ground-intrusive activities were ongoing during this time and dust was not observed migrating from the site. Data logging at perimeter CAMP station PM-2 resumed at 11:08am following replacement of the battery.
- PM10 concentrations were not recorded at off-site CAMP station WZ-3 between 2:08pm and 2:09pm due to a depleted battery. During this time, CCIV was in the process of installing steel sheet piles in the southeastern part of the site and fugitive dust was not observed migrating from the site. Additionally, PM10 was not recorded at concentrations above background conditions at perimeter CAMP station PM-3, which was located between the work area and off-site CAMP station WZ-3. Data logging at off-site CAMP station WZ-3 resumed 2:10pm following replacement of the battery.

Prior to CAMP Shutdown

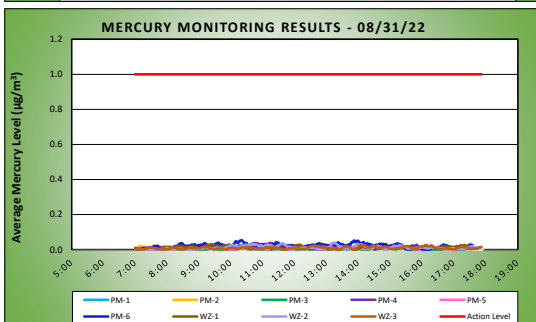
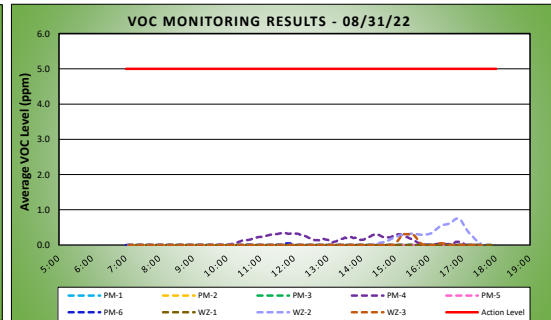
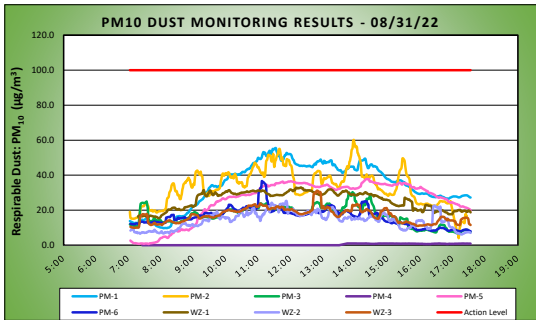
- Prior to discontinuing CAMP, air quality at each CAMP station was verified using the handheld PID and handheld Jerome® J505 mercury vapor analyzer and no readings above background concentrations were recorded. Additionally, areas of exposed soil/fill were covered with polyethylene sheeting and/or Atmos® AC-645 dust/vapor suppressing foam. CAMP stations were discontinued between 5:15pm and 5:27pm at the conclusion of ground-intrusive activities.
- Mercury vapor concentrations at each CAMP station ranged from 0.00 µg/m³ to 0.06 µg/m³.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

	DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York				08/31/22					
					Project number: 170381202					
					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	N	Relative Humidity (%)	32.7 - 58.4	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	77.9 - 85.1	Wind Speed (MPH)	0.1 - 0.1	Barometer (inHg)	29.85 - 29.89			

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	34.4	55.5	11:32	0.0	0.0	7:03
PM-2	33.3	60.2	13:57	0.0	0.0	7:06
PM-3	16.8	30.3	13:55	0.0	0.0	15:22
PM-4	0.3	1.0	13:45	0.1	0.3	11:57
PM-5	25.7	37.8	14:24	0.0	0.0	7:03
PM-6	16.1	36.7	11:07	0.0	0.0	11:45
WZ-1	25.5	33.0	12:19	0.0	0.0	7:17
WZ-2	14.1	25.4	11:52	0.1	0.8	16:52
WZ-3	17.0	31.1	12:50	0.0	0.3	15:16

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	0.04	10:27
PM-2	0.01	0.03	13:40
PM-3	0.00	0.01	13:40
PM-4	0.01	0.04	11:14
PM-5	0.01	0.02	8:39
PM-6	0.02	0.05	10:21
WZ-1	0.01	0.03	9:24
WZ-2	0.01	0.04	13:14
WZ-3	0.01	0.03	14:12



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 compound (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, and PM10 that approached or exceeded the action level 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 0.02 $\mu\text{g}/\text{m}^3$.
- 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 0.14 $\mu\text{g}/\text{m}^3$.
- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 7:03am to 5:33pm 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 6:49am to 5:33pm during excavation activities at long Peck Slip and installation 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 6:49am to 5:33pm during excavation activities in the southern part of the site and installation 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 between 5:20pm and 5:33pm 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 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.2 ppm.

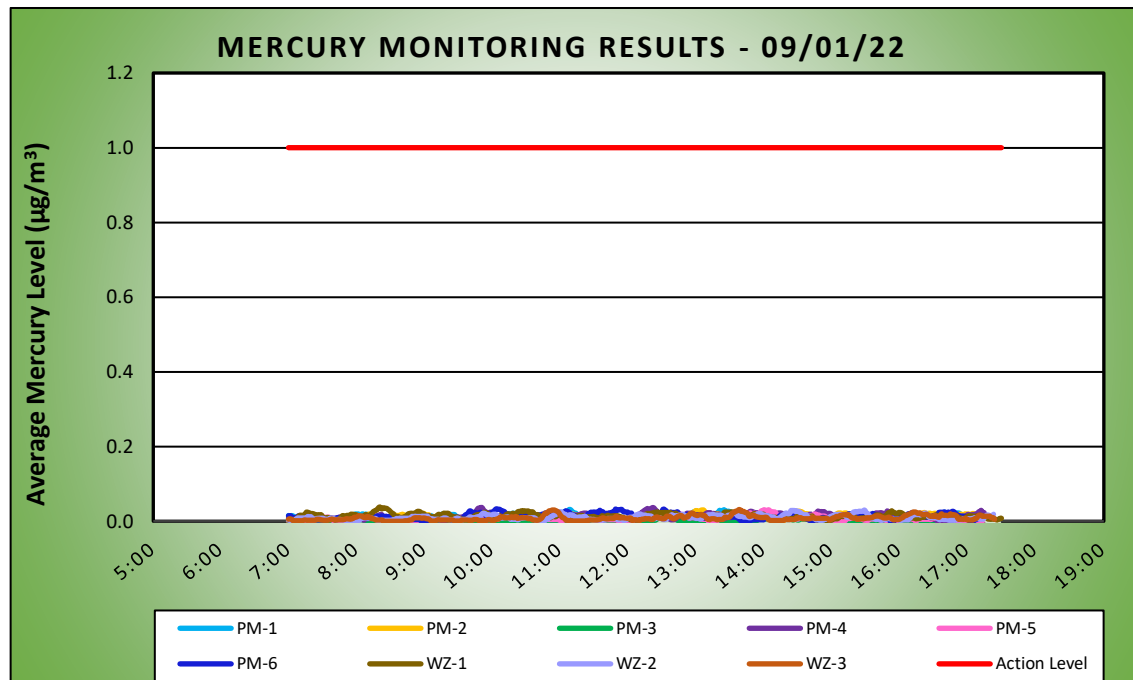
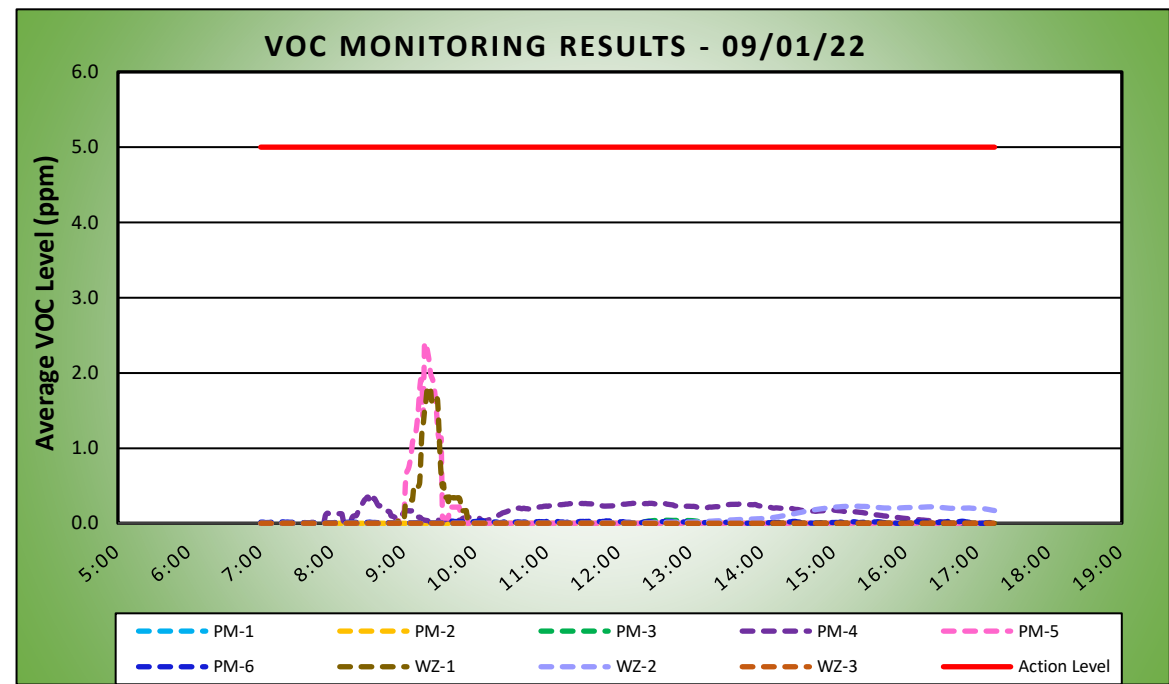
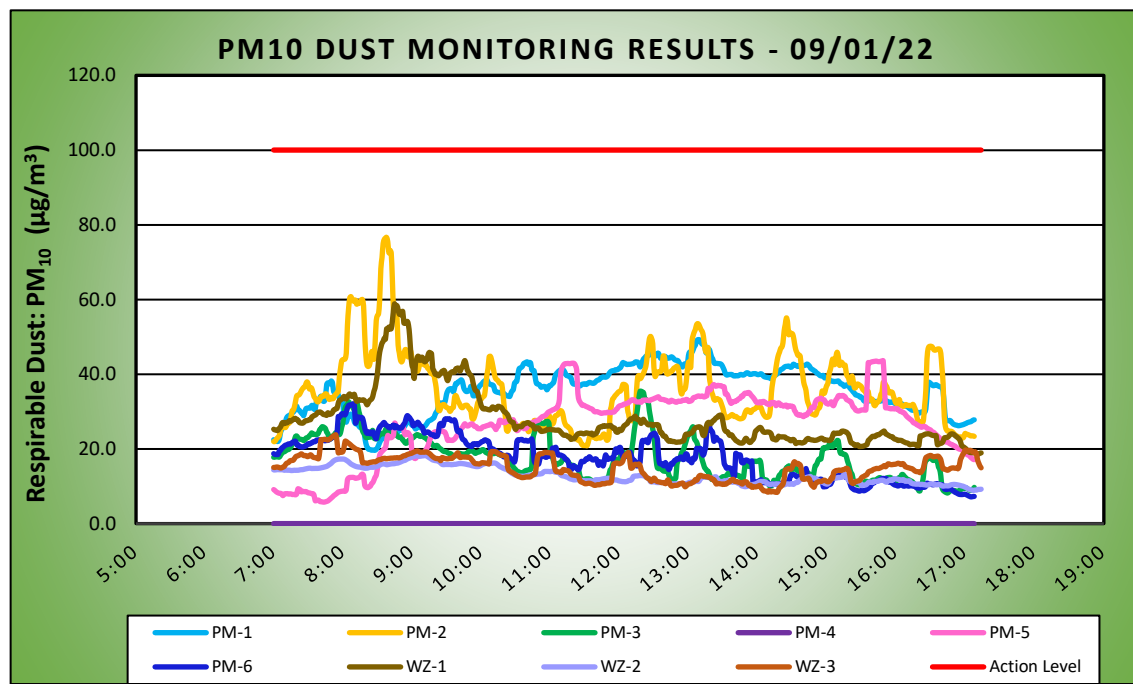
DAILY AIR MONITORING REPORT
250 Water Street Remediation Site
Manhattan, New York

09/01/22	
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 (%)	21.0 - 63.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp ($^{\circ}\text{F}$)	66.0 - 85.0	Wind Speed (MPH)	1.3 - 6.2	Barometer (inHg)	29.90 - 30.00			

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	35.4	49.3	13:09	0.0	0.0	7:00
PM-2	35.7	76.6	8:38	0.0	0.0	7:59
PM-3	17.7	35.4	12:19	0.0	0.0	12:37
PM-4	0.0	0.0	7:00	0.1	0.3	8:29
PM-5	26.3	43.6	15:49	0.1	2.4	9:17
PM-6	17.7	32.1	8:09	0.0	0.0	10:04
WZ-1	27.9	58.9	8:45	0.1	1.8	9:22
WZ-2	12.9	18.2	9:11	0.1	0.2	15:20
WZ-3	14.9	23.7	7:54	0.0	0.0	7:00

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	11:08
PM-2	0.01	0.03	13:05
PM-3	0.00	0.01	12:29
PM-4	0.01	0.04	12:22
PM-5	0.01	0.03	14:04
PM-6	0.01	0.03	10:04
WZ-1	0.01	0.04	8:21
WZ-2	0.01	0.03	15:29
WZ-3	0.01	0.03	13:38



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, and PM10 that approached or exceeded the action level 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 0.06 $\mu\text{g}/\text{m}^3$.
- 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 0.37 $\mu\text{g}/\text{m}^3$.

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. VOC concentrations were at or below background concentrations throughout the work day.

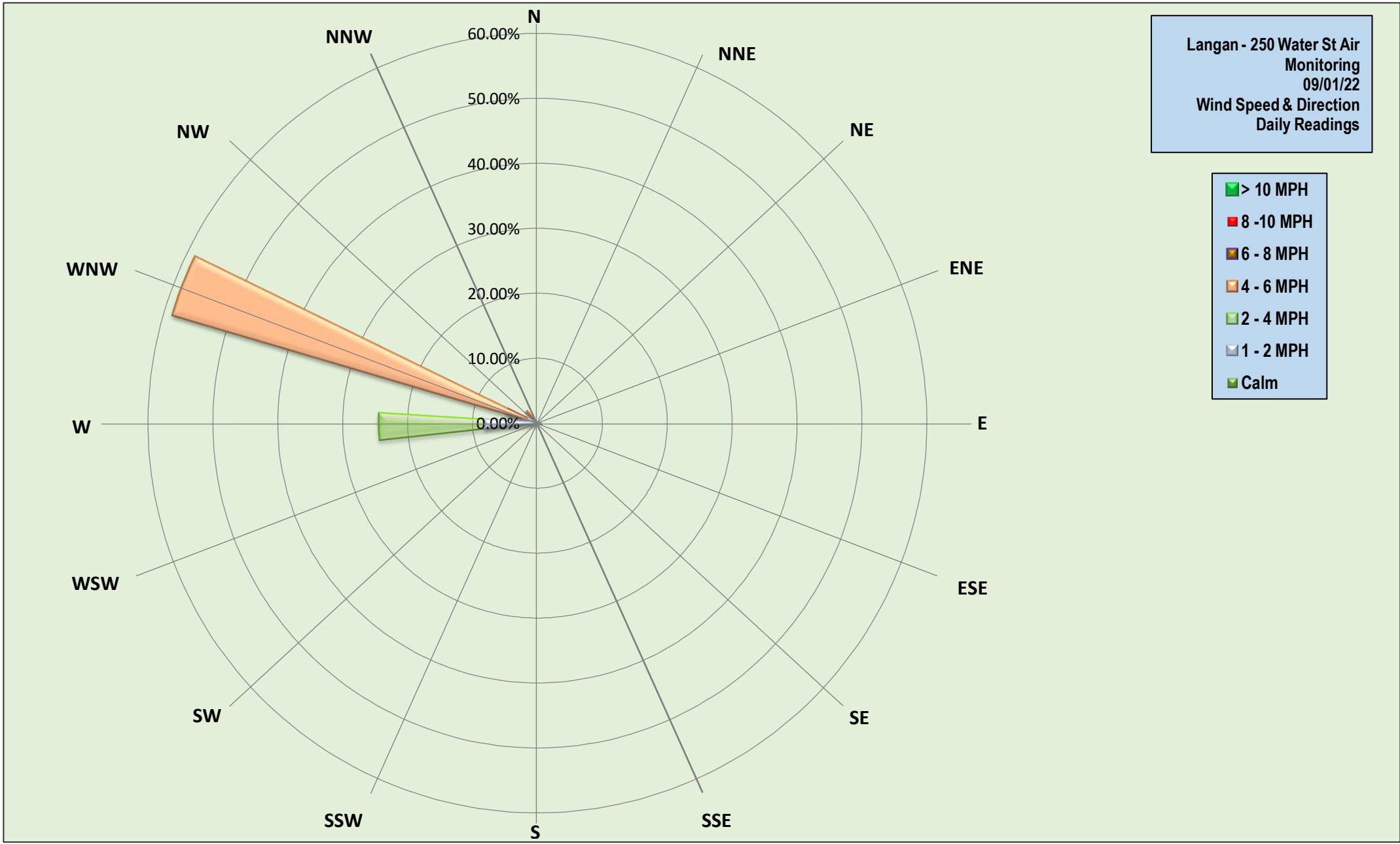
CAMP Station Relocation

- CAMP station WZ-1 was relocated to the northern sidewalk of Pearl Street from 6:44am to 5:14pm 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 6:44am to 5:14pm during backfilling activities along Peck Slip and installation 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 6:44am to 5:14pm during excavation activities in the southern part of the site and installation 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 between 5:08pm and 5:14pm 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 $\mu\text{g}/\text{m}^3$.
- VOCs concentrations at each CAMP station were recorded at 0.0 ppm.

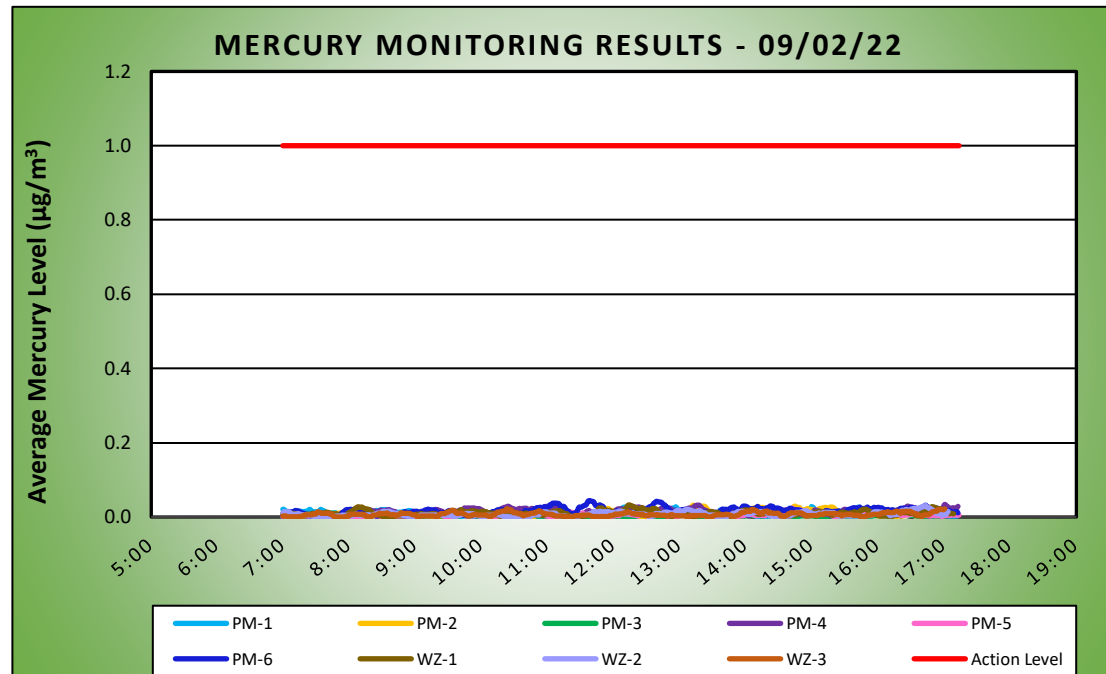
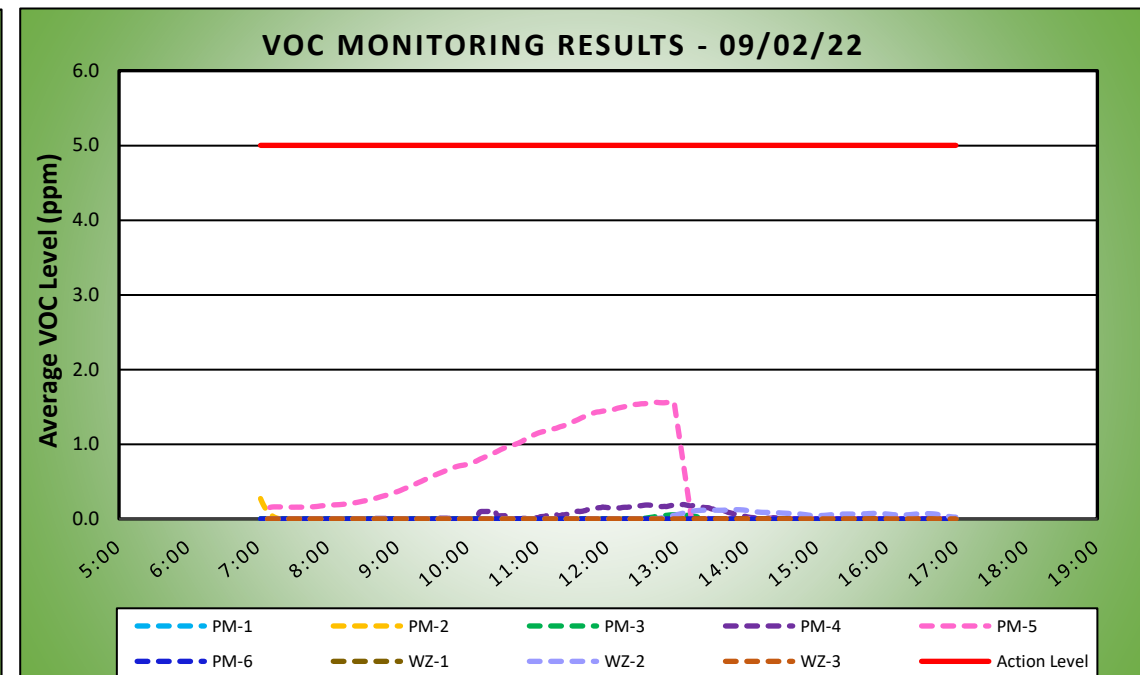
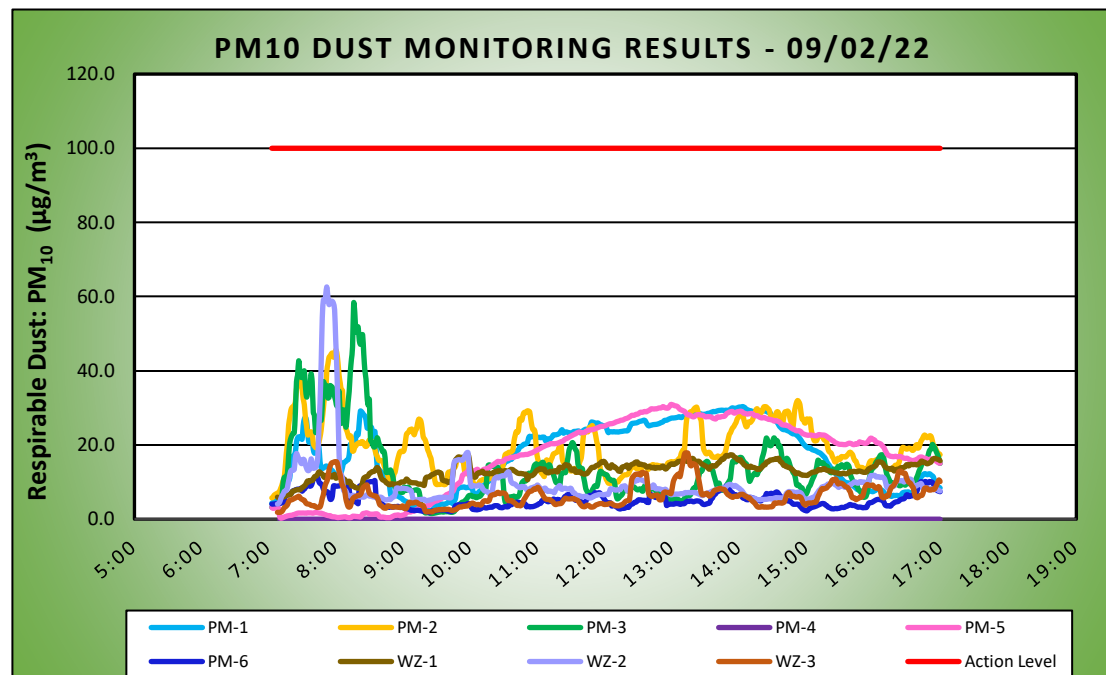


	DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York				09/02/22	
					Project number: 170381202	
					Page 1 of 2	
					Submitted By:	
					Rev. No. 0	
		Dust Action Level ($\mu\text{g}/\text{m}^3$)		100		
		VOC Action Level (ppm)		5		
		Hg Action Level ($\mu\text{g}/\text{m}^3$)		1.0		

Weather Data Range for Work Day		Wind Direction	N	Relative Humidity (%)	37.9 - 50.7	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	74.1 - 77.5	Wind Speed (MPH)	0.1 - 0.1	Barometer (inHg)	30.31 - 30.34			

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	17.3	30.4	14:03	0.0	0.0	7:02
PM-2	19.3	45.6	8:00	0.0	0.3	7:02
PM-3	13.5	58.1	8:16	0.0	0.1	12:58
PM-4	0.0	0.0	7:10	0.0	0.2	13:02
PM-5	16.8	31.0	12:59	0.5	1.6	12:57
PM-6	5.1	11.3	7:43	0.0	0.0	7:02
WZ-1	12.9	17.5	9:58	0.0	0.0	7:08
WZ-2	9.6	62.6	7:52	0.0	0.1	13:50
WZ-3	6.3	17.9	13:12	0.0	0.0	7:08

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	15:00
PM-2	0.01	0.03	13:13
PM-3	0.00	0.01	16:23
PM-4	0.01	0.03	17:01
PM-5	0.01	0.02	14:42
PM-6	0.02	0.04	11:38
WZ-1	0.01	0.03	12:14
WZ-2	0.01	0.03	16:43
WZ-3	0.01	0.02	10:24



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, and PM10 that approached or exceeded the action level 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 0.26 $\mu\text{g}/\text{m}^3$.

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 4:59pm 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 4:59pm during backfilling activities along Peck Slip and installation 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 4:59pm during excavation activities in the southern part of the site and installation 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 4:59pm 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 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.





DAILY AIR MONITORING REPORT

250 Water Street Remediation Site

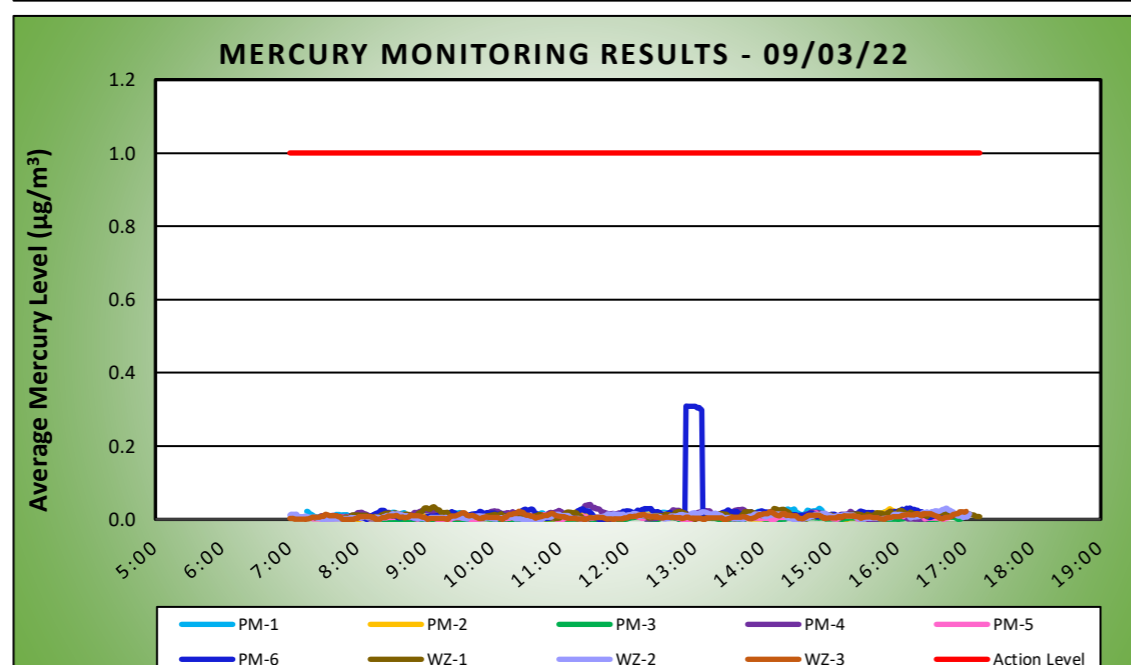
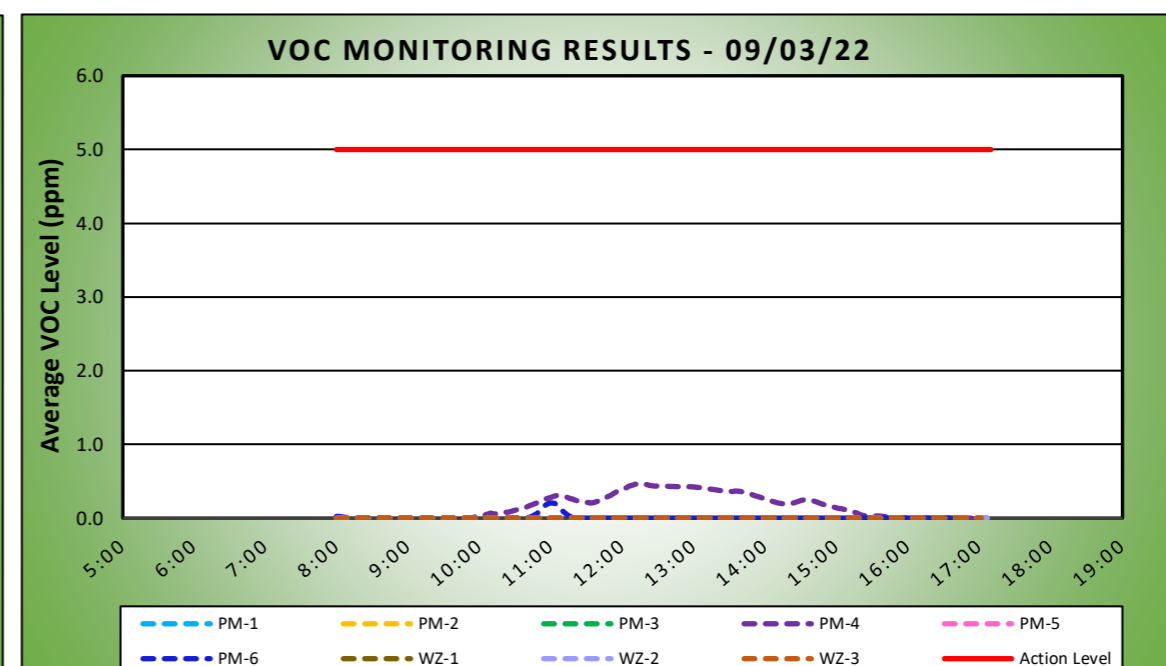
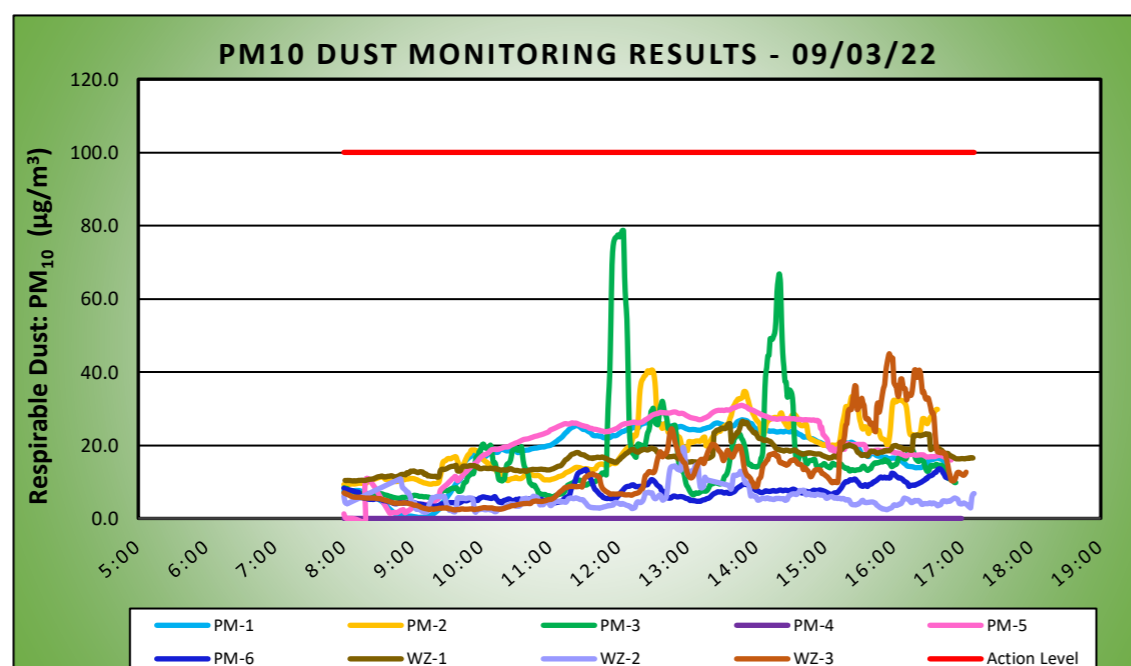
Manhattan, New York

09/03/22	
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	N	Relative Humidity (%)	40.2 - 56.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	74.3 - 80.9	Wind Speed (MPH)	0.1 - 0.1	Barometer (inHg)	30.28 - 30.38			

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	17.7	26.9	13:48	0.0	0.0	8:00
PM-2	19.5	40.6	12:29	0.0	0.0	8:00
PM-3	16.0	78.7	12:03	0.0	0.0	8:00
PM-4	0.0	0.0	8:00	0.2	0.5	12:14
PM-5	19.7	30.9	13:47	0.0	0.0	8:00
PM-6	7.2	13.6	16:40	0.0	0.2	11:01
WZ-1	16.5	26.5	13:48	0.0	0.0	8:00
WZ-2	6.0	19.4	12:56	0.0	0.0	15:01
WZ-3	12.9	45.0	15:56	0.0	0.0	8:00

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	14:51
PM-2	0.01	0.03	15:53
PM-3	0.00	0.01	13:04
PM-4	0.01	0.04	11:27
PM-5	0.01	0.02	16:10
PM-6	0.02	0.31	12:52
WZ-1	0.01	0.03	9:08
WZ-2	0.01	0.03	16:43
WZ-3	0.01	0.02	10:24



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, and PM10 that approached or exceeded the action level 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 0.01 $\mu\text{g}/\text{m}^3$.
- 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 0.26 $\mu\text{g}/\text{m}^3$.
- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 7:46am to 5:09pm 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 7:45am to 5:04pm during installation 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 7:45am to 5:01pm during installation of steel sheet piles in the southeastern part of the site.

Equipment Troubleshooting

- PM10 concentrations were not recorded at perimeter CAMP station PM-5 from 8:21am to 8:24am during recalibration of the DustTrak unit due to persistent negative readings. Data logging resumed at 8:25am and PM10 concentrations returned to background conditions following equipment recalibration. Ground-intrusive work did not begin until 9:00am and fugitive dust was not observed migrating from the site during this time.
- PM10 concentrations were not recorded at off-site CAMP station WZ-2 from 8:04am to 8:33am and from 1:18pm to 1:20pm due to a telemetry system error. In each instance, the modem within the CAMP station was reset and data logging resumed at 8:34am and 1:21pm, respectively. Ground-intrusive work did not begin until 9:00am and fugitive dust was not observed migrating from the site during these times. Additionally, PM10 concentrations above background conditions were not recorded at perimeter CAMP station PM-4, which was located between the work area and off-site CAMP station WZ-2.

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 4:38pm and 5:09pm 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

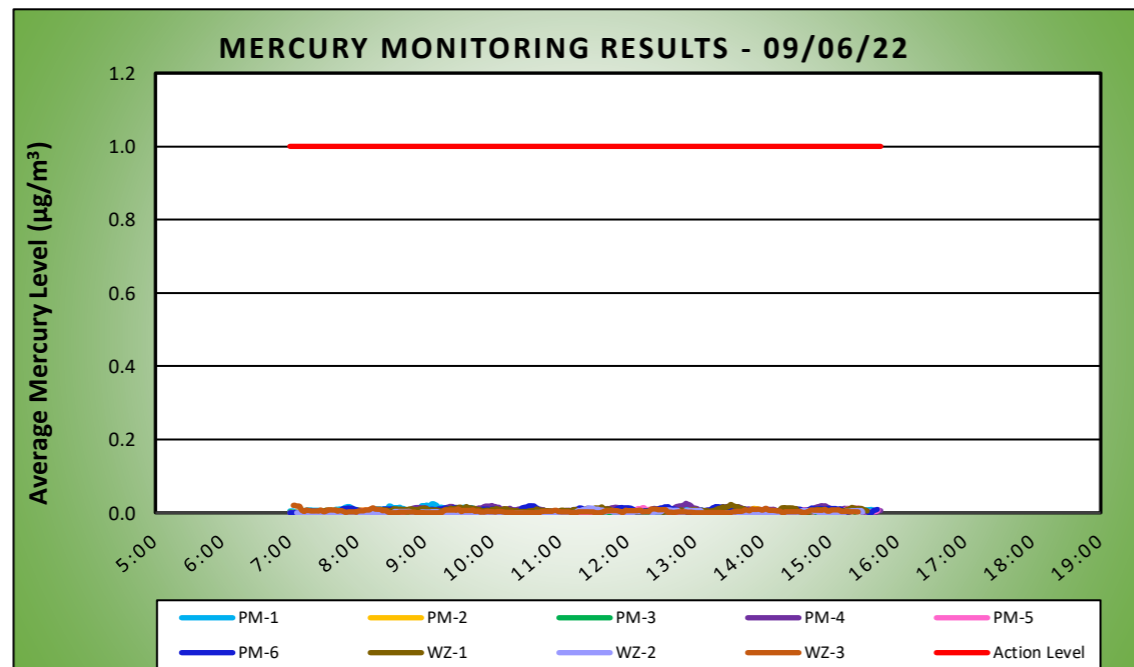
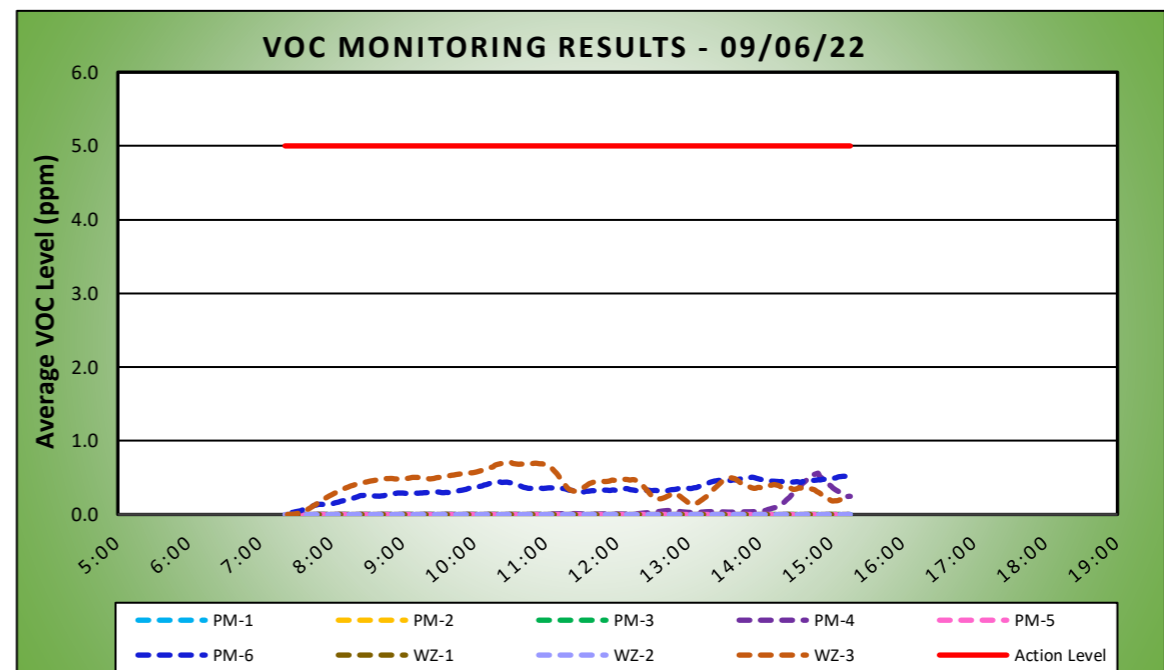
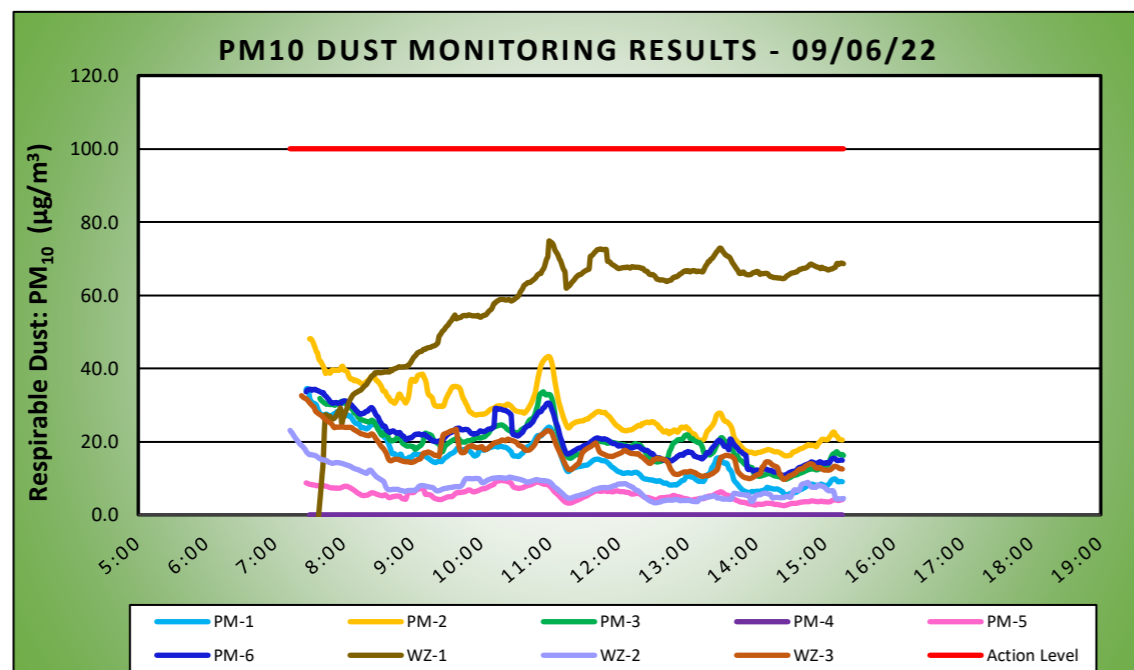
250 Water Street Remediation Site Manhattan, New York

09/06/22	
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	SE	Relative Humidity (%)	74.6 - 91.5	Daily Rain (in)	0.04	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp ($^{\circ}\text{F}$)	70.3 - 73.4	Wind Speed (MPH)	0.7 - 4.6	Barometer (inHg)	30.04 - 30.05			

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	15.2	34.5	7:28	0.0	0.0	7:27
PM-2	28.1	48.1	7:31	0.0	0.0	7:30
PM-3	19.9	33.6	10:54	0.0	0.0	7:30
PM-4	0.0	0.0	7:30	0.1	0.6	14:49
PM-5	5.6	9.4	10:17	0.0	0.0	8:07
PM-6	20.8	34.3	7:31	0.3	0.5	15:15
WZ-1	54.8	74.8	10:59	0.0	0.0	7:23
WZ-2	8.3	23.1	7:13	0.0	0.0	7:21
WZ-3	17.1	32.6	7:23	0.4	0.7	10:31

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	9:06
PM-2	0.00	0.01	13:52
PM-3	0.00	0.00	15:17
PM-4	0.01	0.03	12:52
PM-5	0.00	0.01	12:14
PM-6	0.01	0.02	10:33
WZ-1	0.01	0.02	13:32
WZ-2	0.00	0.01	11:25
WZ-3	0.00	0.02	7:04



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, and PM10 that approached or exceeded the action level 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 0.07 $\mu\text{g}/\text{m}^3$.
- 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 0.14 $\mu\text{g}/\text{m}^3$.
- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 7:08am to 3:15pm 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 6:58am to 3:16pm during installation 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 7:08am to 3:15pm during installation 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 between 3:15pm and 3:16pm 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 0.09 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

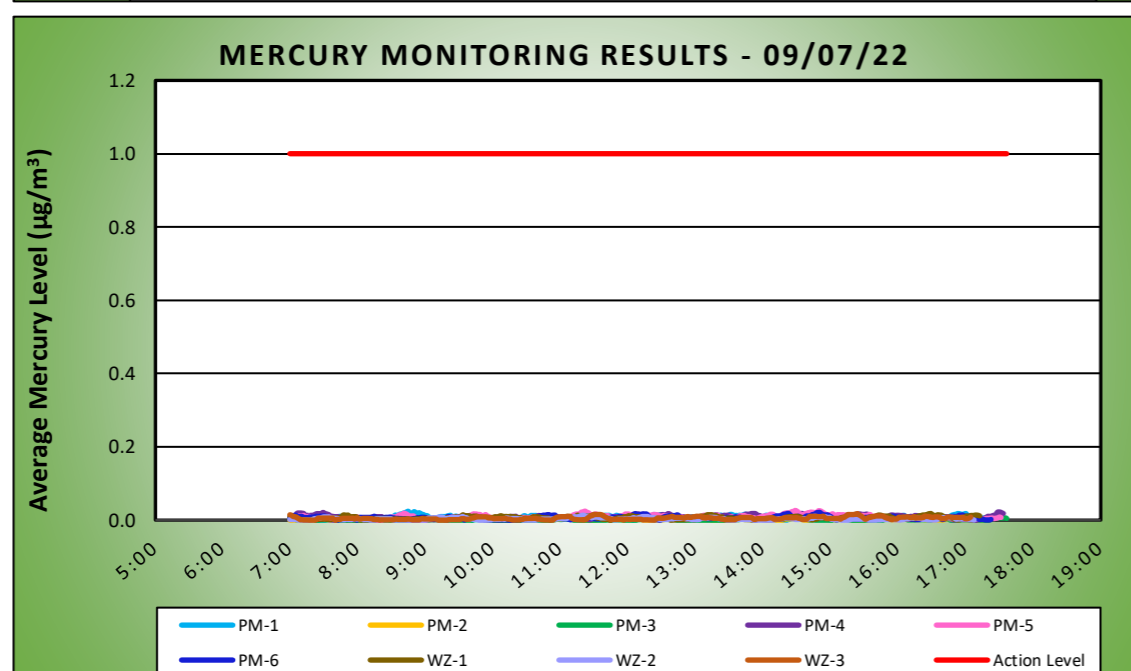
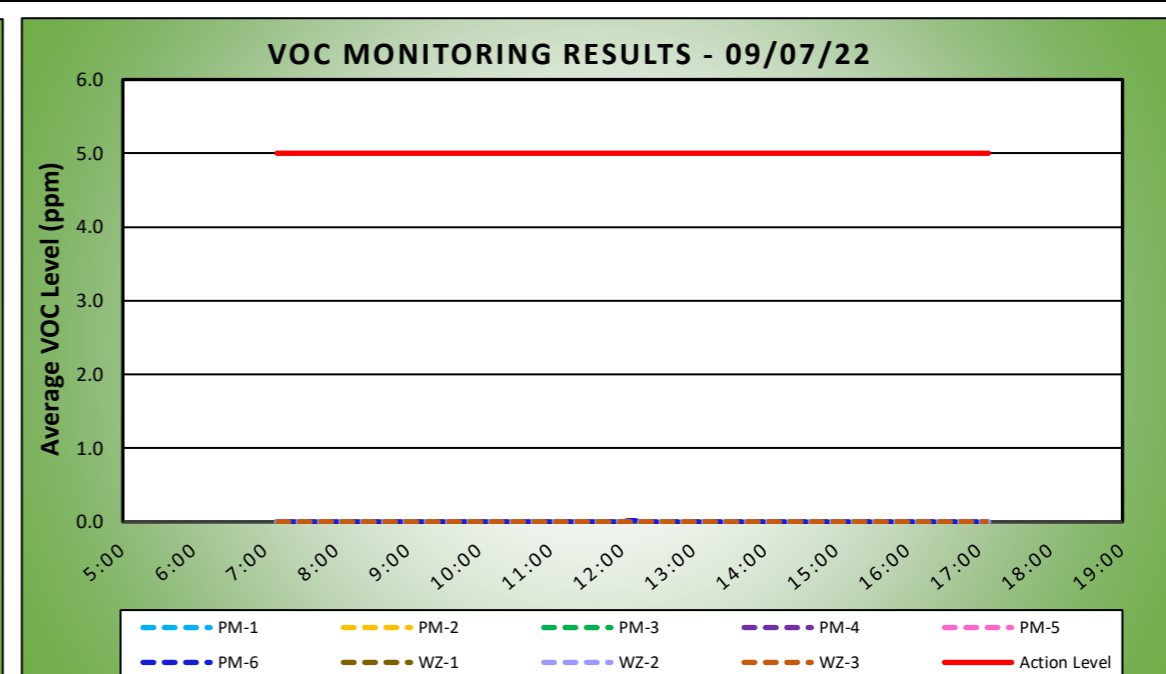
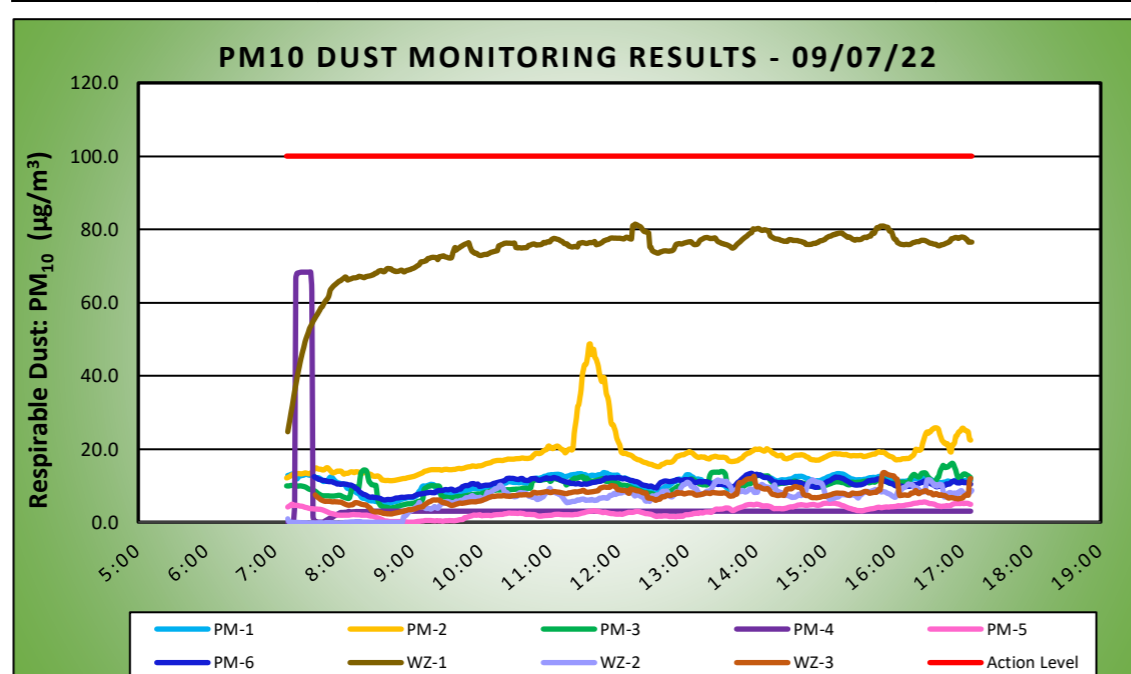


	DAILY AIR MONITORING REPORT			09/07/22	
	250 Water Street Remediation Site			Project number: 170381202	
	Manhattan, New York			Page 1 of 2	
				Submitted By:	
				Rev. No. 0	
				Dust Action Level ($\mu\text{g}/\text{m}^3$)	
			100		
			VOC Action Level (ppm)		
			5		
			Hg Action Level ($\mu\text{g}/\text{m}^3$)		
			1.0		

Weather Data Range for Work Day		Wind Direction	NE	Relative Humidity (%)	65.1 - 92.3	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	66.2 - 72.8	Wind Speed (MPH)	0.8 - 8.9	Barometer (inHg)	30.02 - 30.08			

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	10.8	13.6	11:47	0.0	0.0	7:10
PM-2	18.3	48.7	11:35	0.0	0.0	7:10
PM-3	10.0	16.1	16:51	0.0	0.0	7:10
PM-4	4.4	68.3	7:23	0.0	0.0	7:10
PM-5	2.9	5.5	16:26	0.0	0.0	7:10
PM-6	10.5	13.4	13:56	0.0	0.0	12:05
WZ-1	72.9	81.4	12:14	0.0	0.0	7:10
WZ-2	6.4	11.6	14:49	0.0	0.0	7:10
WZ-3	7.4	13.6	15:51	0.0	0.0	7:11

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	8:45
PM-2	0.00	0.01	10:46
PM-3	0.00	0.01	14:32
PM-4	0.01	0.02	17:29
PM-5	0.01	0.03	14:29
PM-6	0.01	0.02	14:50
WZ-1	0.01	0.02	16:29
WZ-2	0.00	0.01	11:21
WZ-3	0.01	0.02	15:24



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, and PM10 that approached or exceeded the action level 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 0.01 $\mu\text{g}/\text{m}^3$.

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 0.14 $\mu\text{g}/\text{m}^3$.

The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 5:08pm 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 5:08pm during installation 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 7:20am to 5:07pm during excavation activities in the southern 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 5:00pm at the conclusion of ground-intrusive activities.

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

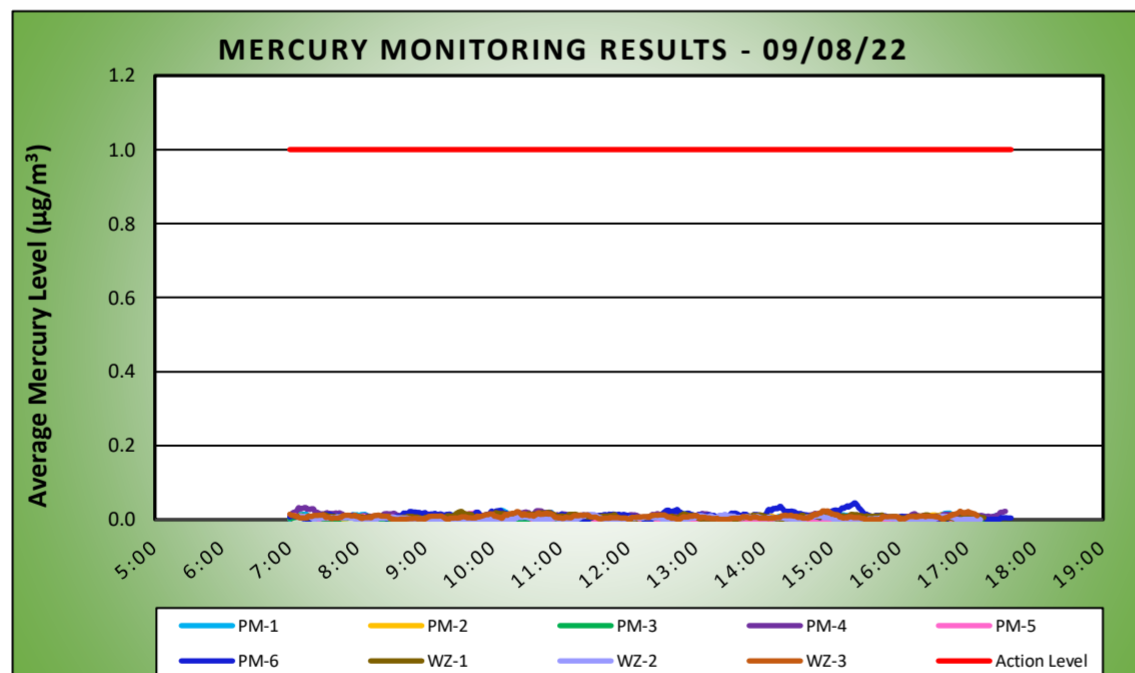
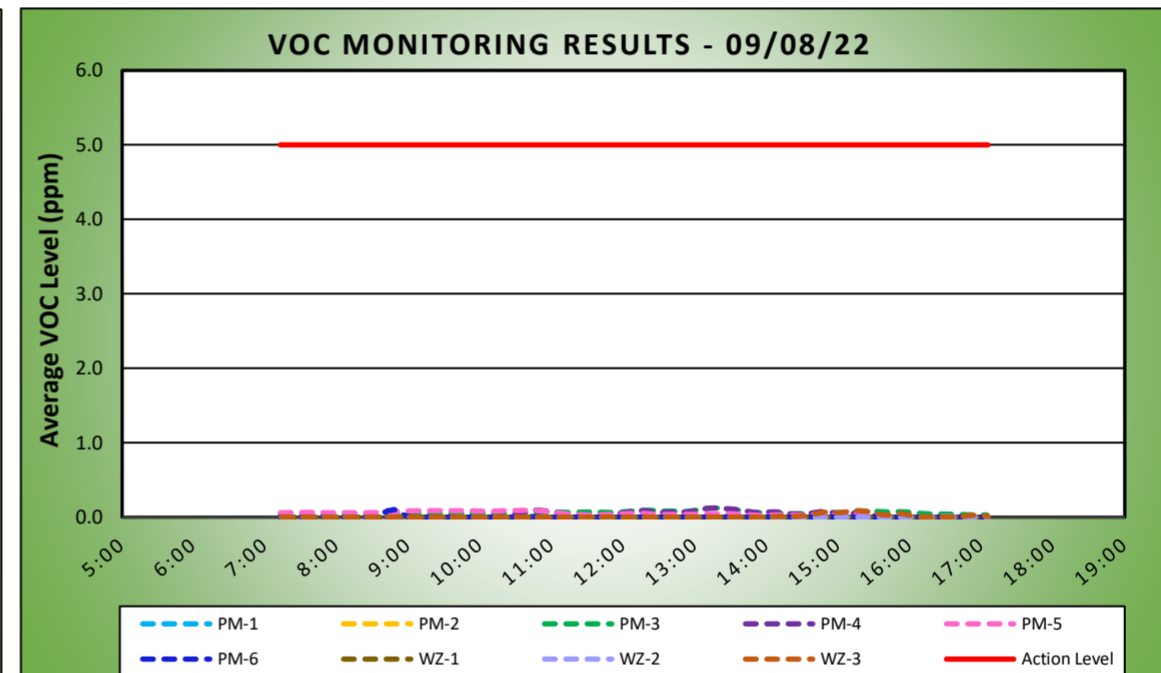
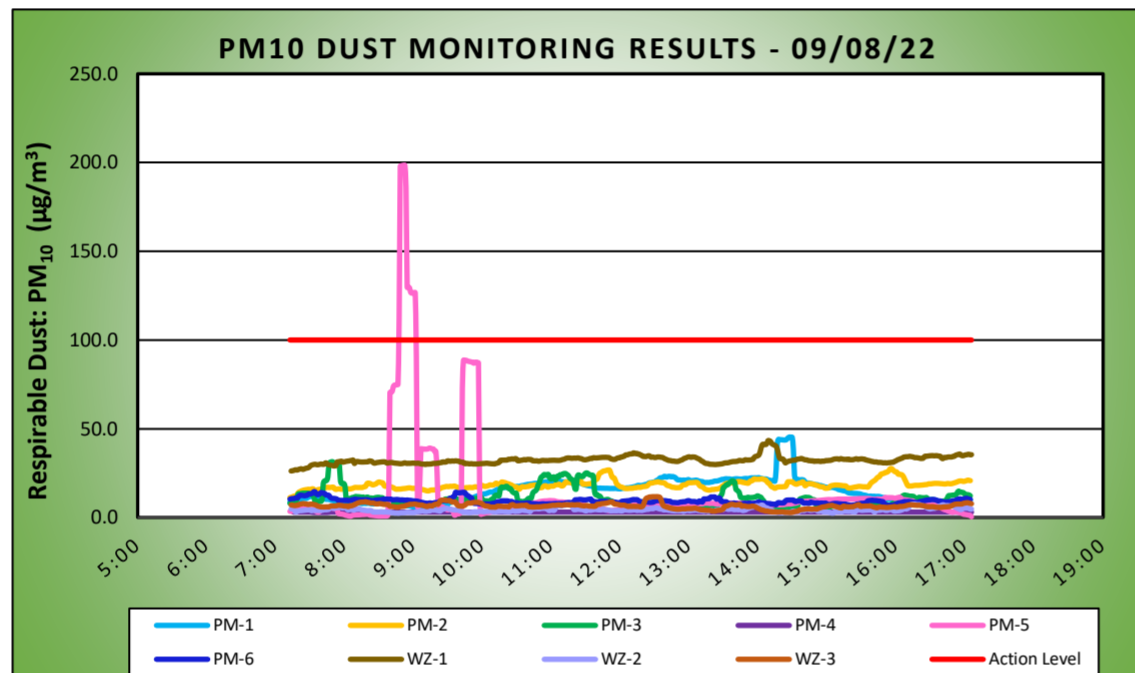
VOC concentrations at each CAMP station were recorded at 0.0 ppm.

	DAILY AIR MONITORING REPORT				09/08/22	
	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	NE	Relative Humidity (%)	55.4 - 67.0	Daily Rain (in)	0.01	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	67.6 - 73.2	Wind Speed (MPH)	0.9 - 8.6	Barometer (inHg)	29.99 - 30.02			

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		15.1	45.3	14:28	0.0	0.0	7:13
PM-2		18.3	27.6	15:56	0.0	0.0	7:13
PM-3		11.1	31.4	7:50	0.1	0.1	13:16
PM-4		3.0	3.0	7:16	0.0	0.1	13:17
PM-5		13.9	* 199	8:52	0.0	0.1	10:40
PM-6		9.2	14.6	7:34	0.0	0.1	8:48
WZ-1		32.3	43.3	14:09	0.0	0.0	7:16
WZ-2		4.3	7.5	16:15	0.0	0.0	7:14
WZ-3		6.5	11.7	12:32	0.0	0.1	15:16

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	0.03	10:07
PM-2		0.00	0.01	16:37
PM-3		0.00	0.01	7:10
PM-4		0.01	0.03	7:14
PM-5		0.00	0.02	9:45
PM-6		0.01	0.05	15:21
WZ-1		0.01	0.02	9:32
WZ-2		0.00	0.01	11:27
WZ-3		0.01	0.02	14:52



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 level 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 0.2 ppm.

Perimeter and Work Zone Concentrations

* PM10 concentrations at perimeter CAMP station PM-5 exceeded the action level established in the CAMP (0.100 mg/m^3) from 8:48am to 9:02am (15 minutes). The exceedance was not the result of ground-intrusive activities associated with soil/fill at the site and work was halted to accommodate school drop-off during this time. Fugitive dust was not observed migrating from the site.

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

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 7:01am to 5:06pm 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 6:59am to 5:06pm due to exposed soil/fill within 20 feet of the eastern site boundary.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:59am to 5:06pm during excavation and grading activities in the southern 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 5:02pm and 5:06pm at the conclusion of ground-intrusive activities.

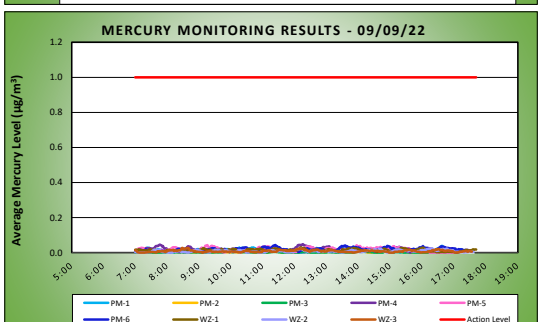
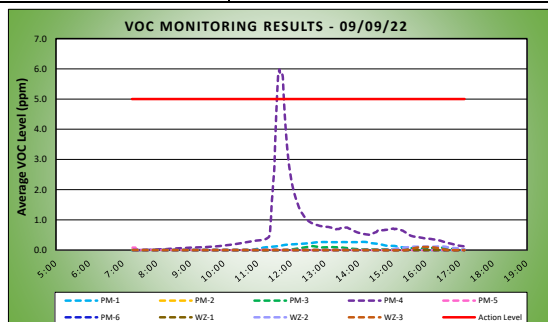
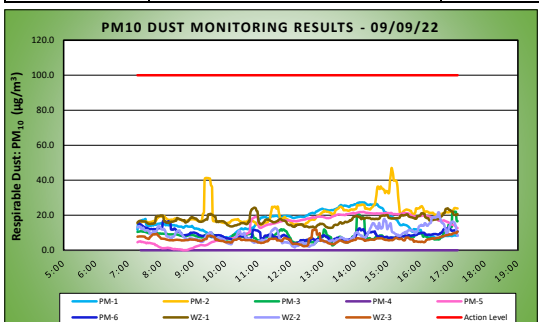
- Mercury vapor concentrations at each CAMP station ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.04 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.2 ppm.

	DAILY AIR MONITORING REPORT		09/09/22		
	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	ENE	Relative Humidity (%)	38.0 - 79.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	65.0 - 82.0	Wind Speed (MPH)	1.2 - 6.4	Barometer (inHg)	30.00 - 30.10			

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	15.9	27.4	14:12	0.1	0.3	14:09
PM-2	21.1	47.1	15:07	0.0	0.0	7:17
PM-3	8.5	22.0	17:04	0.0	0.1	12:38
PM-4	0.0	0.0	7:23	0.6	*6.0	11:39
PM-5	13.3	21.9	14:15	0.0	0.1	7:18
PM-6	8.9	16.6	8:05	0.0	0.0	8:02
WZ-1	17.2	24.3	10:53	0.0	0.0	7:18
WZ-2	8.8	21.7	16:34	0.0	0.1	16:25
WZ-3	6.2	11.9	12:47	0.0	0.1	16:01

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	0.04	16:37
PM-2	0.01	0.02	8:07
PM-3	0.00	0.01	14:03
PM-4	0.02	0.05	12:16
PM-5	0.02	0.04	9:16
PM-6	0.02	0.04	11:24
WZ-1	0.01	0.03	12:11
WZ-2	0.01	0.03	16:19
WZ-3	0.01	0.03	8:29



Air Monitoring Notes:

Langan performed air monitoring at the perimeter of the site and at work zones at nine total locations for mercury vapor, 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 or PM10 that approached or exceeded the action level established by the CAMP (1.00 $\mu\text{g}/\text{m}^3$ 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 0.02 $\mu\text{g}/\text{m}^3$.
 - Background concentrations of VOCs at each CAMP station were recorded at 0.2 ppm.

Perimeter and Work Zone Concentrations
 * VOC concentrations at perimeter CAMP station PM-4 exceeded the action level established in the CAMP (5.0 ppm) from 11:35am to 11:46am (12 minutes). The exceedance was caused by a sealant used to connect PVC piping for the dewatering system adjacent to perimeter CAMP station PM-4 and was not the result of ground-intrusive activities associated with soil/fill at the site.

Equipment Troubleshooting
 The Jerome® J505 units at perimeter CAMP stations PM-1, PM-3, PM-5, and PM-6 intermittently did not transmit data through the remote telemetry system throughout the work day. The mercury vapor data from each Jerome® J505 unit was manually downloaded at the end of the work day and is reflected in the Daily Air Monitoring Report. During the below times, a Jerome® J405 unit was connected to telemetry to provide real-time mercury vapor data to field personnel while continuing to monitor each area with a Jerome® J505 unit.
 - Perimeter CAMP station PM-1 from 9:11am to 5:09pm
 - Perimeter CAMP station PM-3 from 7:02am to 5:08pm
 - Perimeter CAMP station PM-5 from 7:02am to 5:08pm
 - Perimeter CAMP station PM-6 from 3:48pm to 5:08pm

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 0.12 $\mu\text{g}/\text{m}^3$.
 - The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 7:03am to 5:09pm 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 7:02am to 5:09pm due to exposed soil/fill within 20 feet of the eastern site boundary.
 - CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 7:02am to 5:09pm during excavation and loading of soil/fill in the southern 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 5:08pm and 5:09pm at the conclusion of ground-intrusive activities.
 - Mercury vapor concentrations at each CAMP station recorded at 0.00 $\mu\text{g}/\text{m}^3$.
 - VOC concentrations at each CAMP station were recorded at 0.0 ppm.



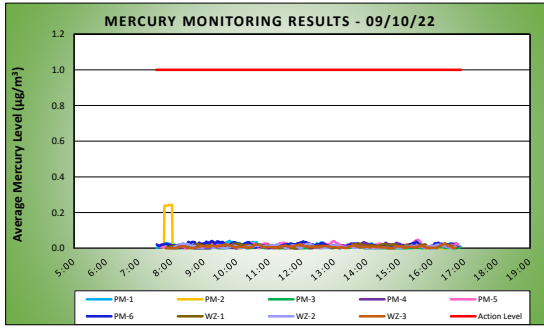
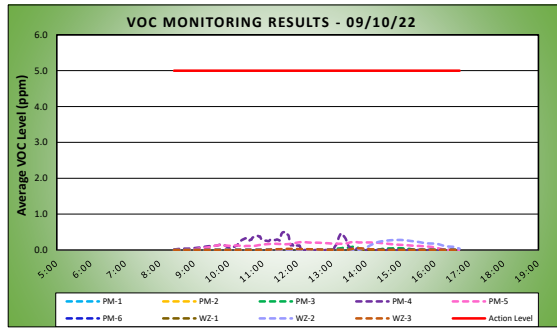
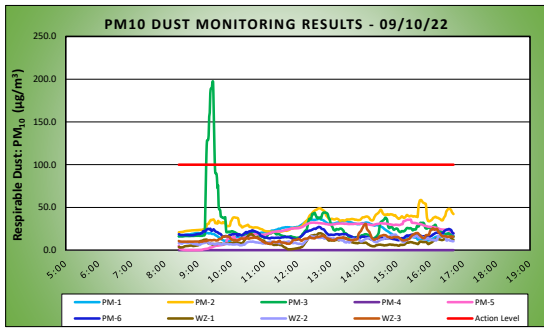
DAILY AIR MONITORING REPORT
250 Water Street Remediation Site
Manhattan, New York

09/10/22	
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	NW	Relative Humidity (%)	27.0 - 67.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	71.0 - 86.0	Wind Speed (MPH)	0.6 - 3.8	Barometer (inHg)	30.20 - 30.30			

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		22.2	36.7	12:39	0.0	0.0	8:25
PM-2		33.9	58.7	15:43	0.0	0.0	16:14
PM-3		27.7	* 197.4	9:26	0.0	0.1	13:37
PM-4		0.0	0.0	8:25	0.1	0.5	11:38
PM-5		22.2	35.7	15:25	0.1	0.2	13:39
PM-6		17.9	27.1	12:39	0.0	0.0	12:11
WZ-1		9.1	19.8	12:41	0.0	0.0	8:25
WZ-2		10.9	18.1	14:55	0.1	0.3	14:54
WZ-3		14.0	30.7	14:03	0.0	0.1	13:45

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	9:47
PM-2		0.01	0.24	7:54
PM-3		0.00	0.01	15:57
PM-4		0.01	0.03	13:54
PM-5		0.02	0.05	15:34
PM-6		0.02	0.04	9:14
WZ-1		0.01	0.03	13:44
WZ-2		0.01	0.03	8:21
WZ-3		0.01	0.03	16:23



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 level 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 0.04 $\mu\text{g}/\text{m}^3$.
- 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-3 exceeded the action level established in the CAMP (0.100 mg/m^3) from 9:15am to 9:30am (16 minutes). The exceedance was caused by welding adjacent to perimeter CAMP station PM-3 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.

Equipment Troubleshooting

The Jerome® J505 units at perimeter CAMP station PM-4 and off-site CAMP station WZ-3 intermittently did not transmit data through the remote telemetry system throughout the work day. The mercury vapor data from each Jerome® J505 unit was manually downloaded at the end of the work day and is reflected in the Daily Air Monitoring Report. During the below times, a Jerome® J405 unit was connected to telemetry to provide real-time mercury vapor data to field personnel while continuing to monitor each area with a Jerome® J505 unit.

- Perimeter CAMP station PM-4 from 8:13am to 1:20pm
- Off-site CAMP station WZ-3 from 1:28pm to 4:42pm

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 0.16 $\mu\text{g}/\text{m}^3$.

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 8:10am to 4:42pm 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 8:10am to 4:42pm due to exposed soil/fill within 20 feet of the eastern site boundary.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 8:10am to 4:42pm during tieback installation along the southern site boundary.

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 4:42pm at the conclusion of ground-intrusive activities.

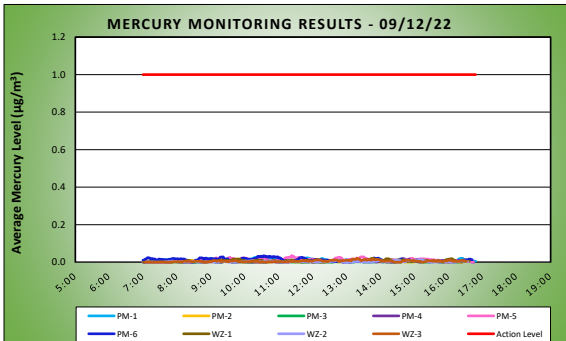
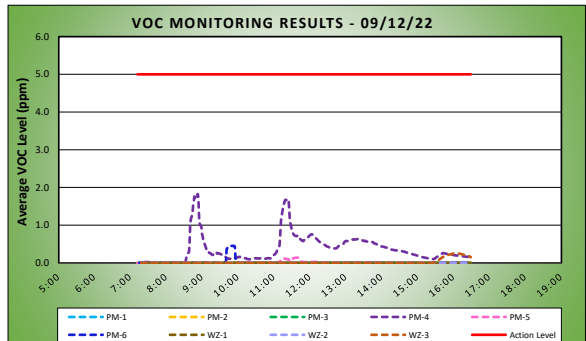
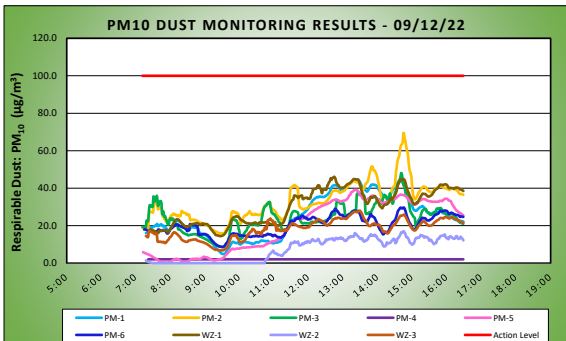
- Mercury vapor concentrations at each CAMP station ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.03 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

	DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York		09/12/22	
	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	N	Relative Humidity (%)	59.0 - 97.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	69.0 - 83.0	Wind Speed (MPH)	1.1 - 2.2	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	24.7	44.6	13:26	0.0	0.0	7:18
PM-2	32.6	69.4	14:45	0.0	0.0	7:12
PM-3	24.3	48.0	14:41	0.0	0.0	7:12
PM-4	2.0	2.0	7:22	0.4	1.8	8:53
PM-5	19.9	39.1	13:24	0.0	0.1	11:41
PM-6	20.2	29.6	14:45	0.0	0.5	9:47
WZ-1	30.1	46.1	12:45	0.0	0.0	7:27
WZ-2	7.3	17.0	14:45	0.0	0.0	7:18
WZ-3	18.2	28.0	13:29	0.0	0.3	16:05

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	10:18
PM-2	0.00	0.02	13:17
PM-3	0.00	0.01	7:23
PM-4	0.00	0.02	14:40
PM-5	0.01	0.04	11:23
PM-6	0.01	0.03	10:34
WZ-1	0.01	0.02	13:45
WZ-2	0.00	0.01	15:07
WZ-3	0.01	0.02	13:19



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, 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® 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.

Equipment Troubleshooting

- The Jerome® J505 unit at perimeter CAMP station PM-3 intermittently did not transmit data through the remote telemetry system throughout the work day. The mercury vapor data from the Jerome® J505 unit was manually downloaded at the end of the work day and is reflected in the Daily Air Monitoring Report. Between 1:04pm and 4:28pm, a Jerome® J405 unit 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 0.15 $\mu\text{g}/\text{m}^3$.

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 7:12am to 4:29pm due to exposed soil/fill within 20 feet of the northern site boundary.

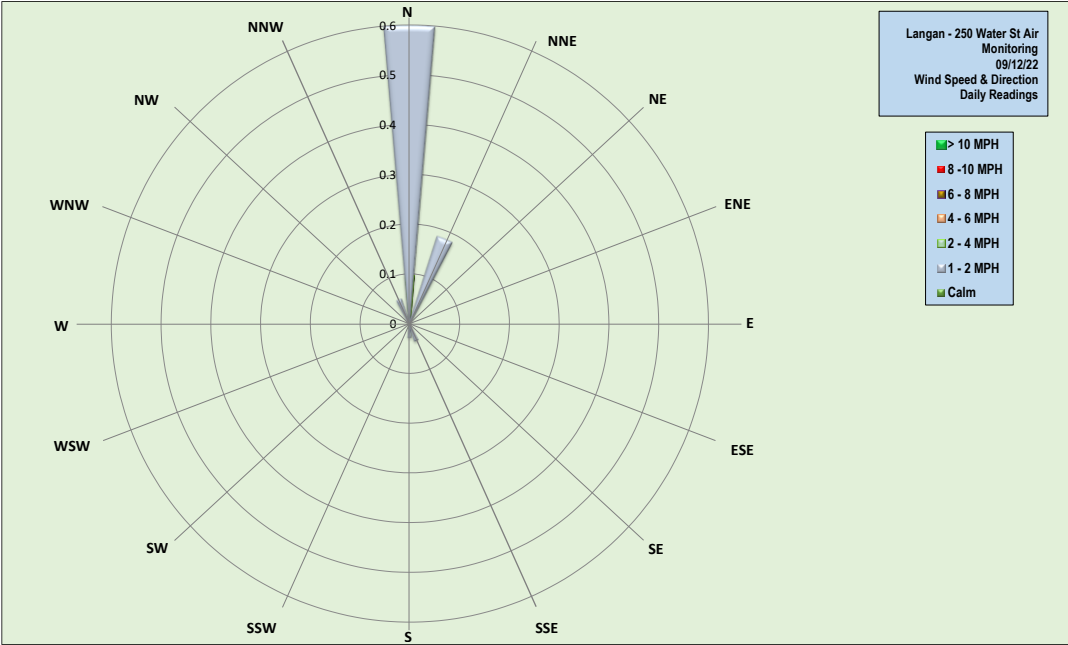
- CAMP station WZ-2 was relocated to the eastern sidewalk of Peck Slip from 7:03am to 4:29pm during installation of dewatering wells in the southeastern part of the site.

- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 7:03am to 4:29pm during tie-back and dewatering well installation 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 sequentially from 4:26pm to 4:28pm at the conclusion of ground-intrusive activities.

- Mercury vapor concentrations at each CAMP station ranged from 0.02 $\mu\text{g}/\text{m}^3$ to 0.10 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

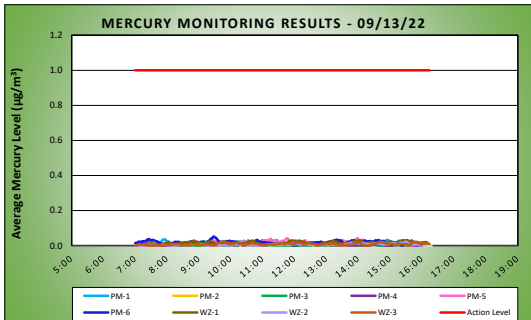
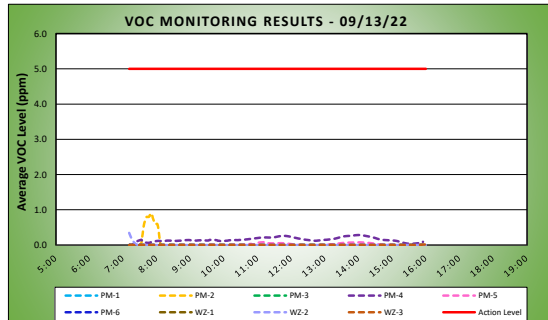
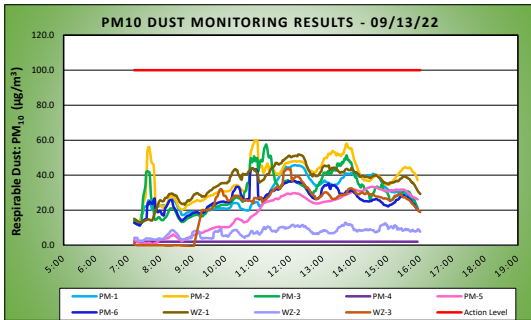


	DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York				09/13/22					
					Project number: 170381202					
					Page 1 of 2					
					Submitted By:					Rev. No. 0
					Dust Action Level ($\mu\text{g}/\text{m}^3$)					100
VOC Action Level (ppm)					5					
Hg Action Level ($\mu\text{g}/\text{m}^3$)					1.0					

Weather Data Range for Work Day		Wind Direction	NNW	Relative Humidity (%)	65.0 - 86.2	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	73.5 - 83.1	Wind Speed (MPH)	0.4 - 5.8	Barometer (inHg)	29.76 - 29.83			

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	29.0	45.8	12:08	0.0	0.0	7:11
PM-2	37.6	60.1	10:54	0.0	0.9	7:50
PM-3	30.1	57.6	11:15	0.0	0.0	7:11
PM-4	2.0	2.0	7:11	0.2	0.3	14:03
PM-5	19.1	33.4	14:32	0.0	0.1	11:11
PM-6	26.1	43.9	10:50	0.0	0.0	7:11
WZ-1	35.8	51.8	12:16	0.0	0.0	7:11
WZ-2	7.5	12.9	13:41	0.0	0.3	7:11
WZ-3	21.8	43.9	11:56	0.0	0.0	15:59

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	7:56
PM-2	0.01	0.02	11:35
PM-3	0.00	0.01	10:29
PM-4	0.01	0.02	9:29
PM-5	0.02	0.04	11:46
PM-6	0.02	0.05	9:28
WZ-1	0.02	0.03	15:33
WZ-2	0.00	0.02	15:29
WZ-3	0.01	0.02	9:44



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, 0.100 mg/m^3 respectively).

Background Concentrations

- The dedicated mobile monitor (Langan) used 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 0.05 $\mu\text{g}/\text{m}^3$.
- 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 0.65 $\mu\text{g}/\text{m}^3$. The instantaneous mercury vapor concentrations above background conditions were associated with an internal filter requiring replacement. The filter was replaced on September 14, 2022.

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 4:00pm during maintenance of the tracking pad and 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 4:00pm during installation of dewatering wells in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:56am to 4:00pm during tie-back and dewatering well installation 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 3:55pm and 4:00pm 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

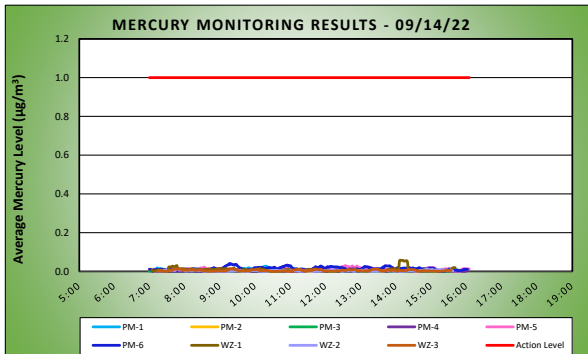
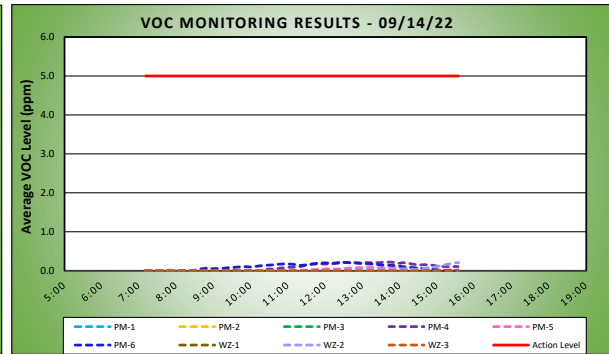
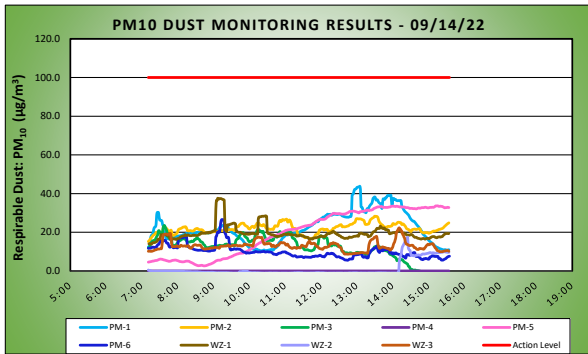
250 Water Street Remediation Site Manhattan, New York

09/14/22	
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	SW	Relative Humidity (%)	39.4 - 58.8	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	70.7 - 82.9	Wind Speed (MPH)	0.7 - 6.6	Barometer (inHg)	30.01 - 30.03			

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	22.4	43.8	13:05	0.0	0.0	7:11
PM-2	22.0	28.3	13:30	0.0	0.0	7:11
PM-3	11.8	23.5	7:38	0.0	0.0	11:57
PM-4	0.00	0.00	7:11	0.1	0.2	13:45
PM-5	20.0	33.7	15:15	0.0	0.1	13:14
PM-6	10.0	26.6	9:14	0.1	0.2	12:30
WZ-1	19.4	37.6	9:07	0.0	0.0	7:12
WZ-2	1.1	17.5	14:25	0.0	0.2	15:35
WZ-3	12.9	22.3	14:11	0.0	0.0	11:53

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	10:18
PM-2	0.00	0.01	7:02
PM-3	0.00	0.01	11:31
PM-4	0.00	0.01	9:37
PM-5	0.01	0.03	12:34
PM-6	0.01	0.04	9:16
WZ-1	0.01	0.06	14:07
WZ-2	0.00	0.01	14:52
WZ-3	0.00	0.01	7:46



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, 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® 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 0.05 $\mu\text{g}/\text{m}^3$.
- 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 $\mu\text{g}/\text{m}^3$.

The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 3:34pm during maintenance of the tracking pad and 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 7:01am to 3:34pm during installation of dewatering wells in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:59am to 3:33pm during tie-back and dewatering well installation 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 3:33pm and 3:34pm 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 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

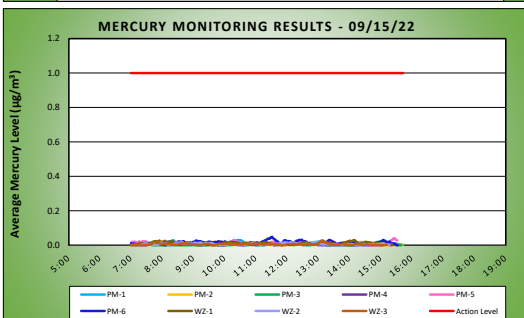
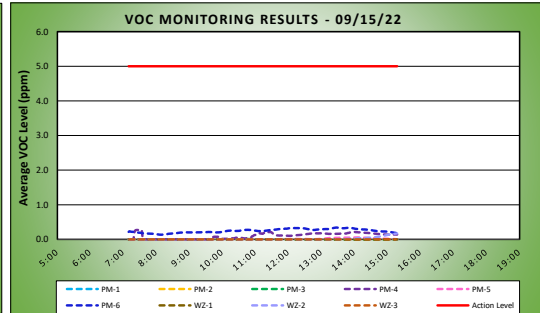
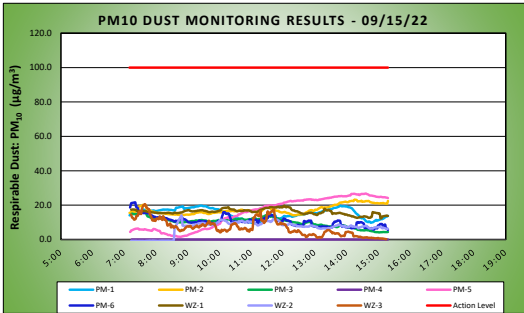


	DAILY AIR MONITORING REPORT		09/15/22	
	250 Water Street Remediation Site		Project number: 170381202	
	Manhattan, New York		Page 1 of 2	
			Submitted By: _____ Rev. No. 0	
			Dust Action Level ($\mu\text{g}/\text{m}^3$) 100	
		VOC Action Level (ppm) 5		
		Hg Action Level ($\mu\text{g}/\text{m}^3$) 1.0		

Weather Data Range for Work Day		Wind Direction	WNW	Relative Humidity (%)	26.9 - 55.3	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	66.0 - 76.1	Wind Speed (MPH)	0.7 - 10.0	Barometer (inHg)	30.18 - 30.24			

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		15.2	19.7	9:24	0.0	0.0	7:10
PM-2		17.5	23.2	14:15	0.0	0.0	7:10
PM-3		10.1	15.7	7:36	0.0	0.0	10:42
PM-4		0.0	0.0	7:14	0.1	0.3	7:26
PM-5		15.5	26.7	14:36	0.0	0.1	14:06
PM-6		10.7	21.6	7:20	0.2	0.3	13:28
WZ-1		16.1	19.7	12:02	0.0	0.0	7:10
WZ-2		6.9	14.1	8:48	0.0	0.2	15:18
WZ-3		7.2	20.6	7:39	0.0	0.0	7:12

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	0.03	10:27
PM-2		0.01	0.02	14:21
PM-3		0.00	0.01	7:26
PM-4		0.00	0.01	12:43
PM-5		0.01	0.04	15:25
PM-6		0.02	0.05	11:31
WZ-1		0.01	0.03	14:08
WZ-2		0.01	0.02	8:37
WZ-3		0.01	0.03	13:06



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, 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 0.01 $\mu\text{g}/\text{m}^3$.
- 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 0.12 $\mu\text{g}/\text{m}^3$.

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 3:18pm 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 6:58am to 3:17pm during installation of dewatering wells in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:58am to 3:12pm during installation of dewatering wells 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 3:12pm and 3:18pm 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.

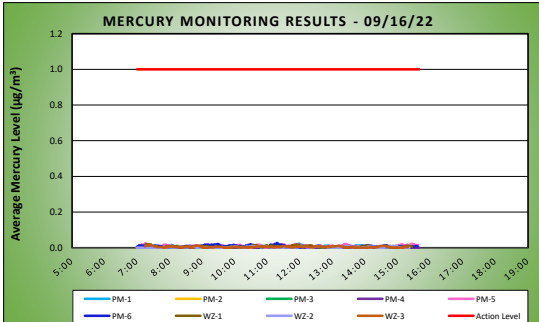
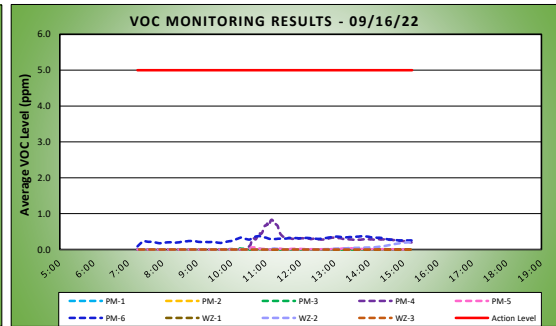
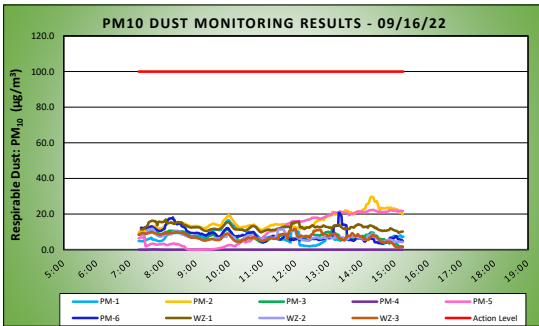


	DAILY AIR MONITORING REPORT 250 Water Street Remediation Site Manhattan, New York		09/16/22		
			Project number: 170381202		
			Page 1 of 2		Rev. No. 0
			Submitted By:		
			Dust Action Level ($\mu\text{g}/\text{m}^3$)		100
VOC Action Level (ppm)		5			
Hg Action Level ($\mu\text{g}/\text{m}^3$)		1.0			

Weather Data Range for Work Day		Wind Direction	W	Relative Humidity (%)	22.6 - 51.5	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	65.6 - 78.2	Wind Speed (MPH)	0.9 - 6.9	Barometer (inHg)	30.20 - 30.28			

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		7.3	16.6	9:58	0.0	0.0	13:35
PM-2		16.2	29.7	14:17	0.0	0.0	10:07
PM-3		7.3	11.5	9:58	0.0	0.0	10:08
PM-4		0.0	0.2	7:39	0.2	0.8	11:10
PM-5		10.9	22.3	14:19	0.0	0.1	10:41
PM-6		8.4	20.7	13:18	0.3	0.4	10:48
WZ-1		12.6	17.0	8:05	0.0	0.0	7:19
WZ-2		7.1	11.7	7:41	0.0	0.2	15:13
WZ-3		7.1	11.6	11:58	0.0	0.0	7:19

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	11:58
PM-2		0.00	0.01	14:39
PM-3		0.00	0.00	7:45
PM-4		0.00	0.01	8:01
PM-5		0.01	0.02	7:16
PM-6		0.01	0.03	11:18
WZ-1		0.01	0.02	7:18
WZ-2		0.00	0.01	14:51
WZ-3		0.00	0.02	7:22



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, 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 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.

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 0.16 $\mu\text{g}/\text{m}^3$.

- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 7:05am to 3:14pm 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 7:05am to 3:14pm during excavation activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 7:04am to 3:14pm 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[®] 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 between 3:14pm and 3:15pm 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 0.02 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

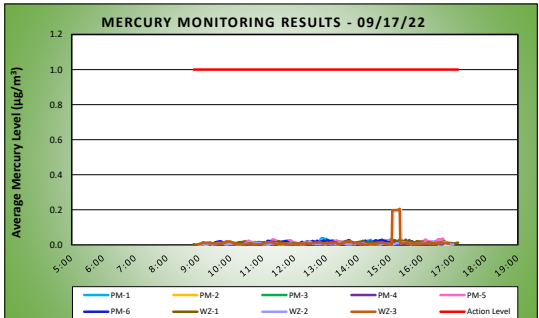
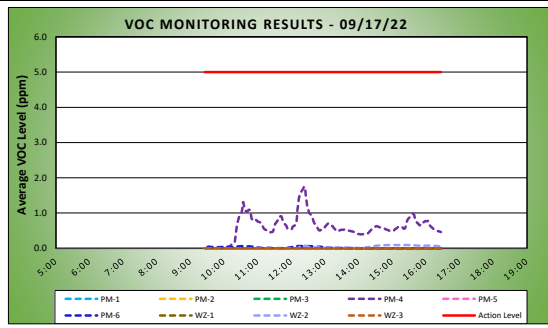
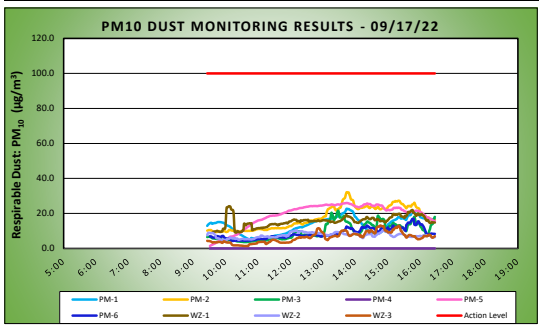


	DAILY AIR MONITORING REPORT	09/17/22
	250 Water Street Remediation Site	Project number: 170381202
	Manhattan, New York	Page 1 of 2
		Submitted By: _____
		Rev. No. 0
	Dust Action Level ($\mu\text{g}/\text{m}^3$)	100
	VOC Action Level (ppm)	5
	Hg Action Level ($\mu\text{g}/\text{m}^3$)	1.0

Weather Data Range for Work Day		Wind Direction	NNE	Relative Humidity (%)	45.9 - 60.4	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	68.3 - 76.1	Wind Speed (MPH)	0.8 - 6.9	Barometer (inHg)	30.28 - 30.36			

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	13.2	22.7	13:44	0.0	0.0	9:26
PM-2	17.4	32.2	13:44	0.0	0.0	9:26
PM-3	9.7	21.6	13:28	0.0	0.0	9:26
PM-4	0.0	0.0	9:31	0.6	1.8	12:23
PM-5	18.8	26.0	13:44	0.0	0.0	12:16
PM-6	8.5	16.9	15:47	0.0	0.1	12:16
WZ-1	15.5	24.1	10:06	0.0	0.0	9:36
WZ-2	7.5	10.5	14:51	0.0	0.1	15:25
WZ-3	6.3	13.1	14:46	0.0	0.0	9:26

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	0.04	12:51
PM-2	0.00	0.02	10:53
PM-3	0.00	0.01	13:16
PM-4	0.00	0.01	10:35
PM-5	0.02	0.04	16:39
PM-6	0.01	0.03	14:45
WZ-1	0.01	0.03	15:29
WZ-2	0.01	0.02	16:18
WZ-3	0.01	0.21	15:18



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, 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® J505 mercury vapor analyzer and a handheld PID, respectively.
 - Background concentrations of mercury vapor at each CAMP 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 0.11 $\mu\text{g}/\text{m}^3$.
 - The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. 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 9:22am to 4:27pm 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 9:11am to 4:27pm during excavation activities in the southeastern part of the site.
 - CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 9:11am to 4:27pm 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 at 4:27pm 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.



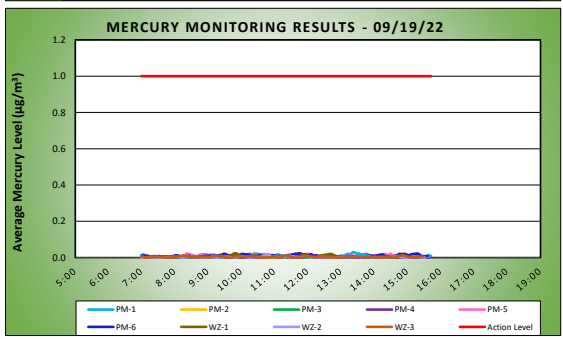
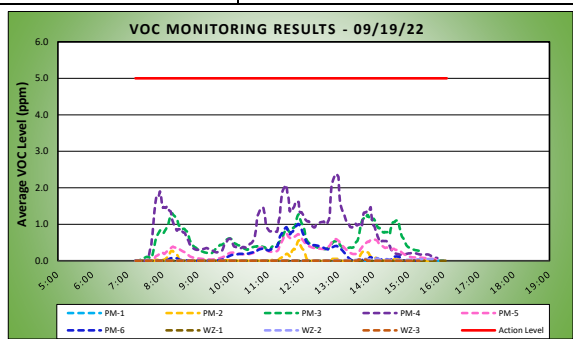
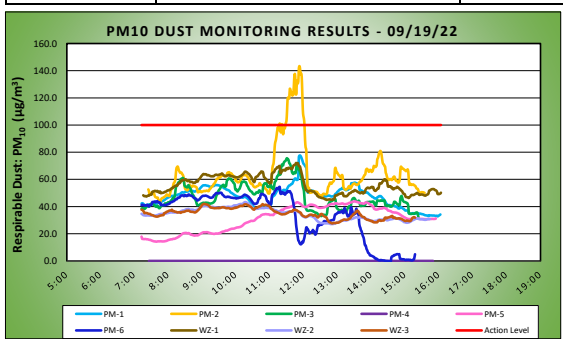
DAILY AIR MONITORING REPORT
250 Water Street Remediation Site
Manhattan, New York

09/19/22	
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	NNE	Relative Humidity (%)	40.8 - 75.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	71.4 - 87.2	Wind Speed (MPH)	0.7 - 5.5	Barometer (inHg)	29.89 - 30.03			

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	47.2	77.6	11:54	0.0	0.0	13:11
PM-2	63.7	* 143.4	11:53	0.0	0.6	11:53
PM-3	47.0	75.6	11:31	0.6	1.3	8:16
PM-4	0.0	0.0	7:26	0.8	2.4	12:56
PM-5	31.0	43.8	13:31	0.3	0.7	11:32
PM-6	33.1	54.5	11:18	0.2	1.0	11:51
WZ-1	55.8	72.1	11:47	0.0	0.0	11:20
WZ-2	34.3	43.3	10:17	0.0	0.1	14:08
WZ-3	35.0	42.0	9:04	0.0	0.0	13:35

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	13:22
PM-2	0.00	0.01	12:07
PM-3	0.00	0.01	10:47
PM-4	0.00	0.01	10:45
PM-5	0.01	0.02	8:21
PM-6	0.01	0.02	11:43
WZ-1	0.01	0.02	9:47
WZ-2	0.00	0.01	10:50
WZ-3	0.00	0.01	14:51



Air Monitoring Notes:

Langan performed air monitoring at the perimeter of the site and at work zones at nine total locations for mercury vapor, 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 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 ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.02 $\mu\text{g}/\text{m}^3$.
- 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-2 exceeded the action level established in the CAMP (0.100 mg/m3) intermittently between 11:18am to 12:01pm. PM10 concentrations did not exceed 0.150 mg/m3, which is the action level requiring work stoppage according to the CAMP. The exceedances were caused by tri-axis dump trucks entering and/or exiting the site upwind of perimeter CAMP station PM-2. During this time, CCJV was loading trucks with petroleum-impacted soil/fill in the southeastern part of the site while actively spraying Atmos® AC-645 dust/vapor suppressing foam across the work area. In accordance with the CAMP, additional dust suppression measures were implemented (e.g., spraying the ground surface with water) and PM10 concentrations returned to background conditions. 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 0.16 $\mu\text{g}/\text{m}^3$.
- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. Instantaneous VOC concentrations of ambient air around the excavation area in the southeastern part of the site ranged from 0.0 ppm to 114.1 ppm. Exposed soil/fill was actively sprayed with Atmos® AC-645 dust/vapor suppressing foam during excavation and loading of trucks, and during periods of inactivity. VOC concentrations at perimeter and offsite CAMP stations did not exceed the action level established in the CAMP (5.0 ppm) throughout the work day.

CAMP Station Relocation

- CAMP station WZ-1 was relocated to the northern sidewalk of Pearl Street from 7:01am to 3:32pm 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 6:58am to 3:30pm during excavation activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:58am to 3:18pm during excavation activities in the southeastern part of the site.

Prior to CAMP Shutdown

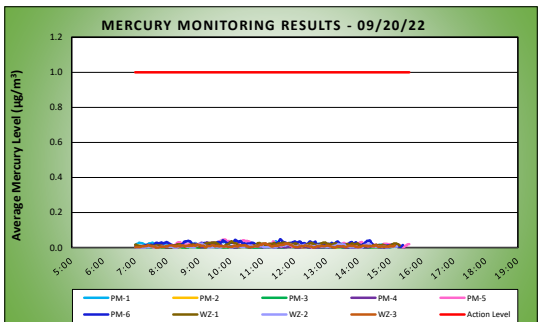
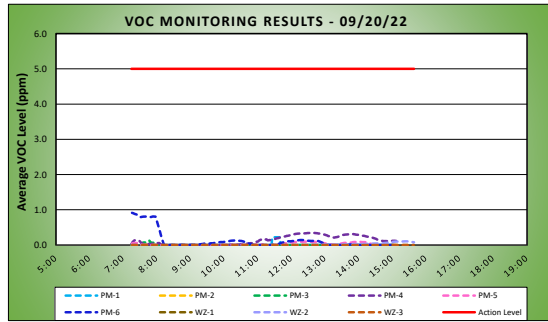
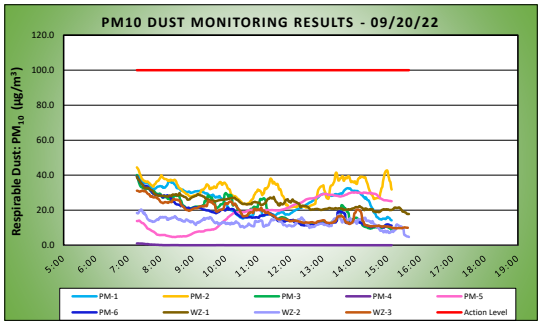
- Prior to discontinuing CAMP, air quality at each CAMP station was verified using the handheld PID and handheld Jerome® J505 mercury vapor analyzer and no readings above background concentrations were recorded. Additionally, areas of exposed soil/fill were covered with polyethylene sheeting and/or Atmos® AC-645 dust/vapor suppressing foam. CAMP stations were discontinued sequentially from 3:18pm to 3:43pm 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 0.05 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

	DAILY AIR MONITORING REPORT		09/20/22	
	250 Water Street Remediation Site			
	Manhattan, New York			
			Project number: 170381202	
			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	NW	Relative Humidity (%)	41.8 - 84.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	69.4 - 82.4	Wind Speed (MPH)	0.4 - 6.0	Barometer (inHg)	29.93 - 29.96			

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	25.6	39.7	7:16	0.0	0.2	11:26
PM-2	32.1	44.5	7:16	0.0	0.0	7:43
PM-3	19.8	40.1	7:16	0.0	0.1	7:47
PM-4	0.1	1.0	7:16	0.1	0.3	12:41
PM-5	18.8	30.2	14:00	0.0	0.1	12:26
PM-6	18.2	39.2	7:16	0.1	0.9	7:16
WZ-1	24.6	39.2	7:16	0.0	0.0	7:16
WZ-2	12.9	20.4	7:24	0.0	0.1	15:24
WZ-3	18.1	31.3	7:26	0.0	0.0	7:26

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	0.04	9:43
PM-2	0.01	0.02	11:15
PM-3	0.00	0.01	12:10
PM-4	0.00	0.02	9:34
PM-5	0.02	0.05	9:48
PM-6	0.02	0.05	11:33
WZ-1	0.02	0.04	10:01
WZ-2	0.01	0.02	9:02
WZ-3	0.01	0.02	11:05



Air Monitoring Notes:

Langan performed air monitoring at the perimeter of the site and at work zones at nine total locations for mercury vapor, 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 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 of ambient air around the excavation area in the southeastern part of the site ranged from 0.0 ppm to 7.8 ppm. Exposed soil/fill was actively sprayed with Atmos® AC-645 dust/vapor suppressing foam during excavation and loading of trucks, and during periods of inactivity. VOC concentrations at perimeter and off-site CAMP stations did not exceed the action level established in the CAMP (5.0 ppm) throughout the work day.

CAMP Station Relocation

- CAMP station WZ-1 was relocated to the northern sidewalk of Pearl Street from 7:01am to 3:18pm 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 7:01am to 3:13pm during excavation activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 7:01am to 3:09pm 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 sequentially from 3:06pm to 3:36pm 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 0.09 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.





DAILY AIR MONITORING REPORT

250 Water Street Remediation Site

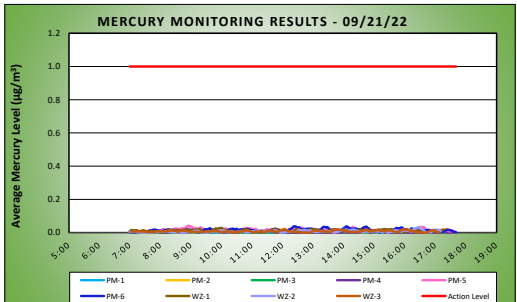
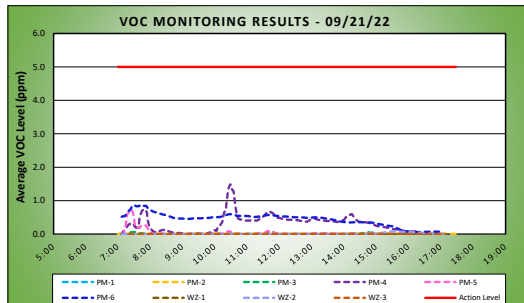
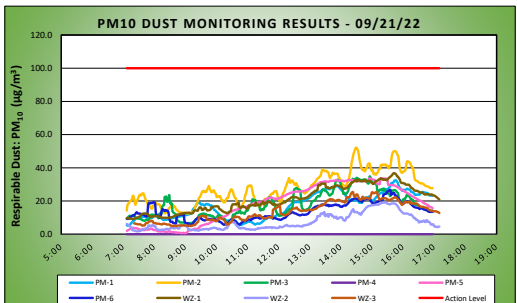
Manhattan, New York

09/21/22	
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 (%)	46.8 - 74.7	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	65.3 - 80.7	Wind Speed (MPH)	0.4 - 6.1	Barometer (inHg)	29.91 - 30.05			

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	16.9	32.5	15:46	0.0	0.0	7:06
PM-2	27.6	52.1	14:29	0.0	0.0	14:12
PM-3	17.8	34.9	14:56	0.0	0.1	11:41
PM-4	0.0	0.0	7:07	0.3	1.5	10:29
PM-5	18.1	33.8	15:17	0.0	0.7	7:26
PM-6	13.5	26.7	15:36	0.4	0.9	7:29
WZ-1	20.9	36.9	15:43	0.0	0.0	13:26
WZ-2	7.3	19.1	15:22	0.0	0.1	15:33
WZ-3	13.5	25.5	14:23	0.0	0.0	10:34

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	0.00	0.01	11:43
PM-2	0.01	0.03	8:44
PM-3	0.00	0.01	16:52
PM-4	0.00	0.02	9:28
PM-5	0.02	0.04	8:56
PM-6	0.02	0.04	12:22
WZ-1	0.01	0.03	9:58
WZ-2	0.01	0.03	16:26
WZ-3	0.01	0.02	12:02



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 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 0.16 $\mu\text{g}/\text{m}^3$.

The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. Instantaneous VOC concentrations of ambient air around the excavation area in the southeastern part of the site ranged from 0.0 ppm to 33.8 ppm. Exposed soil/fill was actively sprayed with Atmos® AC-645 dust/vapor suppressing foam during excavation and loading of trucks, and during periods of inactivity. VOC concentrations at perimeter and off-site CAMP stations did not exceed the action level established in the CAMP (5.0 ppm) throughout the work day.

CAMP Station Relocation

- CAMP station WZ-3 was relocated to the northern sidewalk of Pearl Street from 6:52am to 5:10pm 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 5:10pm during excavation activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 7:06am to 5:08pm 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 sequentially from 4:57pm to 5:10pm 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 0.07 $\mu\text{g}/\text{m}^3$.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.



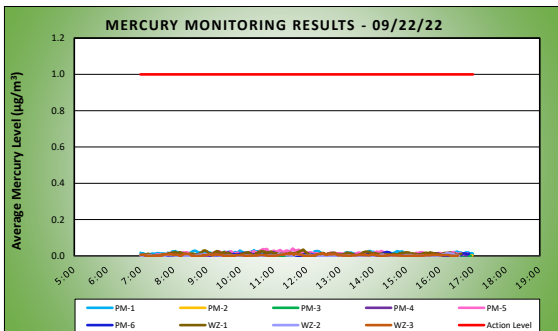
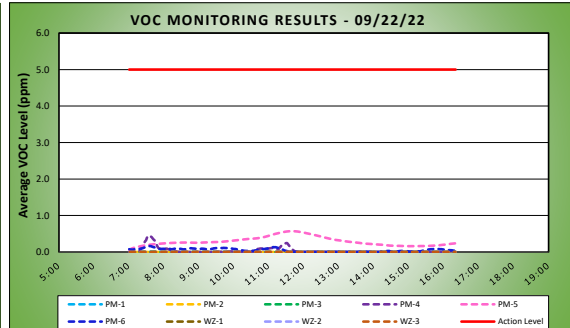
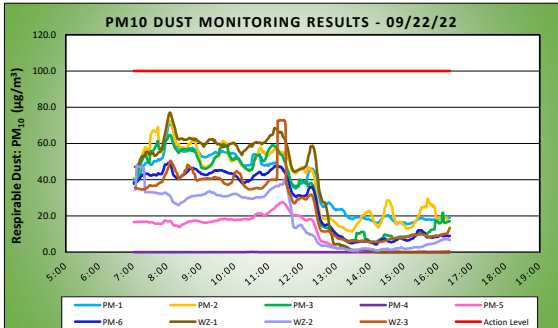
DAILY AIR MONITORING REPORT
250 Water Street Remediation Site
Manhattan, New York

09/22/22	
Project number: 170381202	
Page 1 of 2	Rev. No. 0
Submitted By:	
Dust Action Level (µg/m ³)	100
VOC Action Level (ppm)	5
Hg Action Level (µg/m ³)	1.0

Weather Data Range for Work Day		Wind Direction	WSW	Relative Humidity (%)	60.3 - 92.1	Daily Rain (in)	0.31	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	63.8 - 78.9	Wind Speed (MPH)	0.5 - 7.3	Barometer (inHg)	29.63 - 29.72			

Station Location Work Area	Daily Avg. Dust Concentration (µg/m ³)	Max 15 Minute Dust Concentration (µg/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	37.3	70.4	8:05	0.0	0.0	7:01
PM-2	38.9	72.4	8:03	0.0	0.0	7:07
PM-3	33.6	64.7	8:05	0.0	0.0	7:37
PM-4	0.0	0.1	10:28	0.0	0.4	7:35
PM-5	11.2	27.5	11:24	0.3	0.6	11:40
PM-6	27.7	49.3	8:03	0.1	0.2	7:36
WZ-1	35.1	77.1	8:05	0.0	0.0	7:02
WZ-2	18.4	47.6	7:06	0.0	0.0	7:02
WZ-3	26.4	73.0	11:21	0.0	0.0	7:02

Station Location Work Area	Daily Avg. Mercury Concentration (µg/m ³)	Max 15 Minute Mercury Concentration (µg/m ³)	Time of Max 15 Minute Avg Mercury Reading
PM-1	0.01	0.03	10:25
PM-2	0.00	0.01	8:27
PM-3	0.00	0.00	10:08
PM-4	0.00	0.02	11:17
PM-5	0.01	0.04	11:35
PM-6	0.01	0.02	14:25
WZ-1	0.01	0.03	11:53
WZ-2	0.00	0.02	16:16
WZ-3	0.00	0.01	12:27



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 µg/m³, 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® J505 mercury vapor analyzer and a handheld PID, respectively.

- Background concentrations of mercury vapor at each CAMP were recorded at 0.00 µg/m³.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

Equipment Troubleshooting

The Jerome® J505 units at perimeter CAMP station PM-5 and off-site CAMP station WZ-1 intermittently did not transmit data through the remote telemetry system throughout the work day. The mercury vapor data from each Jerome® J505 unit was manually downloaded at the end of the work day and is reflected in the Daily Air Monitoring Report. During the below times, a Jerome® 405 unit was connected to telemetry to provide real-time mercury vapor data to field personnel while continuing to monitor each area with a Jerome® J505 unit.

- Perimeter CAMP station PM-5 from 6:50am to 4:21pm
- Off-site station WZ-1 from 1:49pm to 4:21pm

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 µg/m³ to 0.16 µg/m³.
- The dedicated mobile monitor (Langan) used a handheld PID to monitor VOC concentrations throughout the site. Instantaneous VOC concentrations of ambient air around the excavation area in the southeastern part of the site ranged from 0.0 ppm to 7.4 ppm. Exposed soil/fill was actively sprayed with Atmos® AC-645 dust/vapor suppressing foam during excavation and loading of trucks, and during periods of inactivity. VOC concentrations at perimeter and off-site CAMP stations did not exceed the action level established in the CAMP (5.0 ppm) throughout the work day.

CAMP Station Relocation

- CAMP station WZ-1 was relocated to the northern sidewalk of Pearl Street from 6:48am to 4:21pm 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 4:21pm during excavation activities in the southeastern part of the site.
- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:48am to 4:21pm during excavation activities in the southeastern part of the site.

Prior to CAMP Shutdown

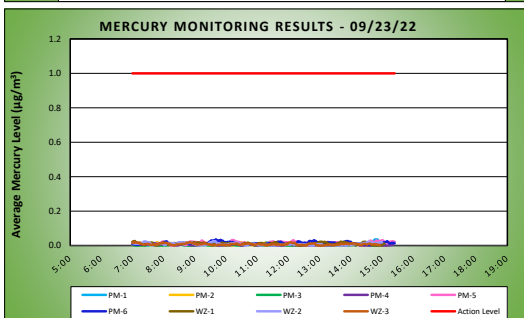
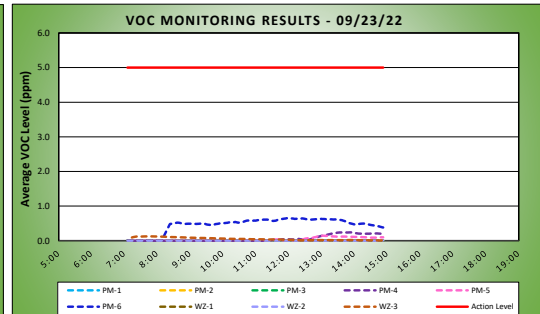
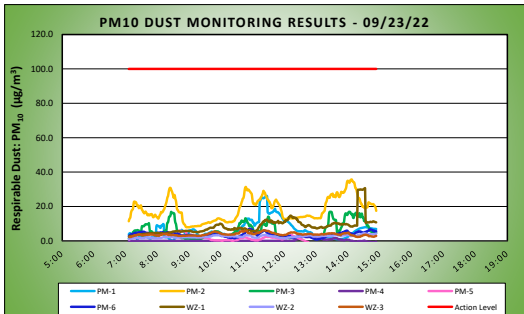
- Prior to discontinuing CAMP, air quality at each CAMP station was verified using the handheld PID and handheld Jerome® J505 mercury vapor analyzer and no readings above background concentrations were recorded. Additionally, areas of exposed soil/fill were covered with polyethylene sheeting and/or Atmos® AC-645 dust/vapor suppressing foam. CAMP stations were discontinued at 4:21pm at the conclusion of ground-intrusive activities.
- Mercury vapor concentrations at each CAMP station ranged from 0.00 µg/m³ to 0.05 µg/m³.
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

	DAILY AIR MONITORING REPORT		09/23/22	
	250 Water Street Remediation Site			
	Manhattan, New York			
	Project number: 170381202		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	E	Relative Humidity (%)	28.4 - 55.9	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	52.8 - 66.0	Wind Speed (MPH)	0.7 - 6.4	Barometer (inHg)	29.95 - 29.99			

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		6.2	26.1	11:26	0.0	0.0	7:06
PM-2		18.2	35.7	14:07	0.0	0.0	7:06
PM-3		6.2	17.0	14:02	0.0	0.0	13:23
PM-4		0.7	2.6	12:36	0.1	0.2	13:52
PM-5		0.4	6.0	8:42	0.0	0.1	13:04
PM-6		3.7	7.1	10:55	0.5	0.7	12:00
WZ-1		8.4	30.7	14:32	0.0	0.0	7:06
WZ-2		2.5	4.5	14:31	0.0	0.0	14:53
WZ-3		3.8	6.2	11:22	0.1	0.1	7:46

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	14:46
PM-2		0.01	0.02	11:39
PM-3		0.00	0.02	12:47
PM-4		0.00	0.01	7:42
PM-5		0.01	0.03	10:14
PM-6		0.01	0.04	9:41
WZ-1		0.01	0.03	7:03
WZ-2		0.01	0.03	9:36
WZ-3		0.01	0.02	7:04



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 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

- PM10 concentrations were not recorded at perimeter CAMP stations PM-4 and PM-5 from 12:18pm to 12:20pm, and from 12:14pm to 12:17pm, respectively, during replacement of the DustTrak units for annual calibration by the manufacturer. Replacement occurred during the lunch break and there were no ongoing ground-intrusive activities at the site and fugitive dust was not observed migrating from the site.

- The Jerome® J505 units at perimeter CAMP station PM-5 and off-site CAMP station WZ-1 intermittently did not transmit data through the remote telemetry system throughout the work day. The mercury vapor data from each Jerome® J505 unit was manually downloaded at the end of the work day and is reflected in the Daily Air Monitoring Report. During the work times, a Jerome® 405 unit was connected to telemetry to provide real-time mercury vapor data to field personnel while continuing to monitor each area with a Jerome® J505 unit.

- Perimeter CAMP station PM-5 from 6:50am to 2:53pm
- Off-site station WZ-1 from 1:49pm to 2:53pm

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 0.32 $\mu\text{g}/\text{m}^3$.

- 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 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 6:51am to 2:53pm during excavation activities in the southeastern part of the site.

- CAMP station WZ-3 was relocated to the southern sidewalk of Water Street from 6:59am to 2:53pm 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 at 2:53pm 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 ranged from 0.0 ppm to 0.1 ppm.



