LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

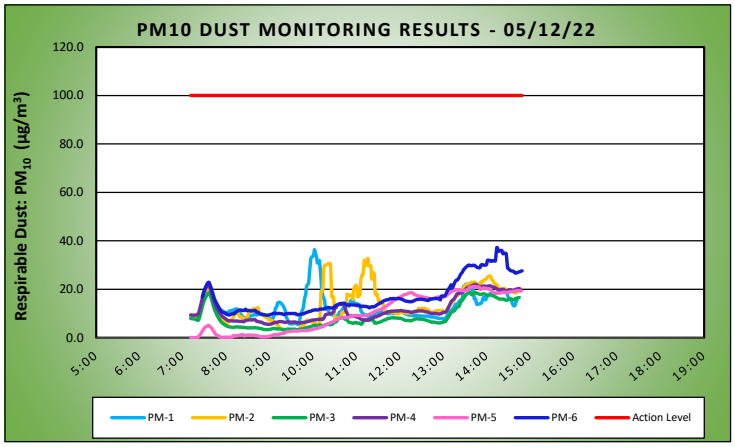
DAILY AIR MONITORING REPORT
250 Water Street Remediation Site
Manhattan, New York

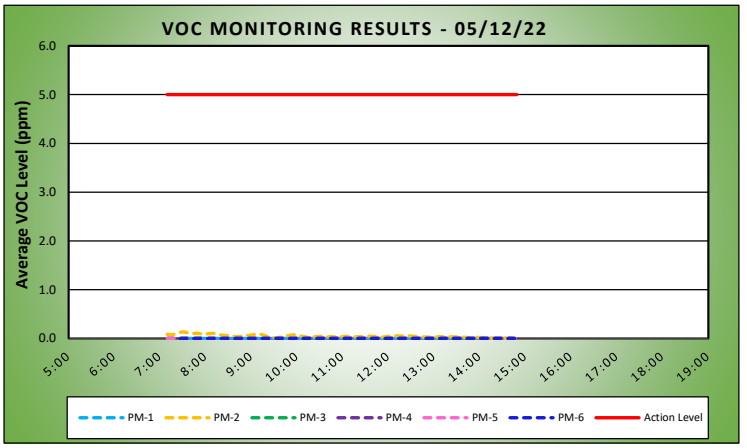
05/12/22	
Project number: 170381202	
Page 1 of 2	Rev. No. 0
Submitted By: Lauren Roper, Brian Kenneally	
Dust Action Level (µg/m^3)	100
VOC Action Level (ppm)	5
Hg Action Level (µg/m^3)	1.0

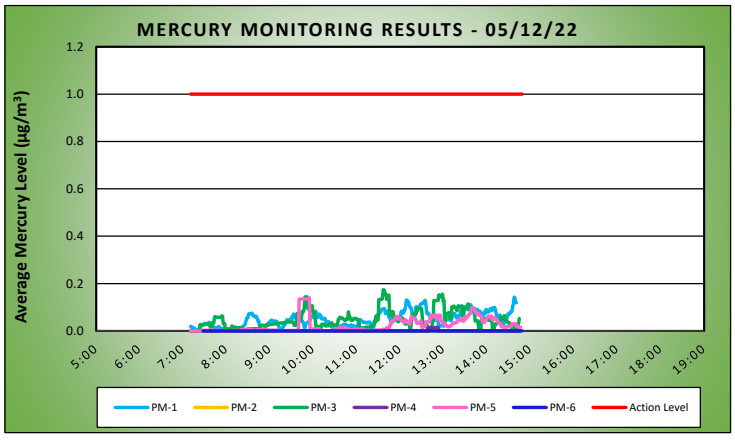
Weather Data Range for Work Day		Wind Direction	N	Relative Humidity (%)	53.3 - 65.6	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	61.8 - 70.7	Wind Speed (MPH)	0.8 - 7.6	Barometer (inHg)	30.34 - 30.40			

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	12.7	36.4	10:02	0.0	0.0	7:34
PM-2	13.7	32.7	11:16	0.0	0.1	7:31
PM-3	8.5	18.8	13:37	0.0	0.0	7:10
PM-4	11.7	22.0	13:44	0.0	0.0	7:10
PM-5	9.8	21.2	13:43	0.0	0.0	7:10
PM-6	16.9	37.2	14:14	0.0	0.0	7:27

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	0.0	0.1	14:38
PM-2	0.0	0.0	7:11
PM-3	0.0	0.2	11:37
PM-4	0.0	0.0	12:39
PM-5	0.0	0.1	9:55
PM-6	0.0	0.0	7:28







Air Monitoring Notes:

- Langan used a handheld Jerome® J505 mercury analyzer to monitor ambient air conditions within the work zone and throughout the site. Instantaneous mercury vapor concentrations ranged from 0.00 µg/m^3 to 0.23 µg/m^3.
- Langan used a handheld photoionization detector (PID) to monitor VOC concentrations within the work zone and throughout the site. VOC concentrations were not detected above background concentrations throughout the work day.
- Prior to discontinuing the CAMP at the conclusion of ground-intrusive activities, VOC and mercury vapor concentrations were confirmed to return to background conditions at each perimeter station. CAMP stations were discontinued at 2:59pm at the conclusion of ground-intrusive activities.
  - Mercury vapor concentrations at each CAMP station ranged from 0.00 µg/m^3 to 0.08 µg/m^3.
  - VOC concentrations at each CAMP station were recorded at 0.0 ppm.

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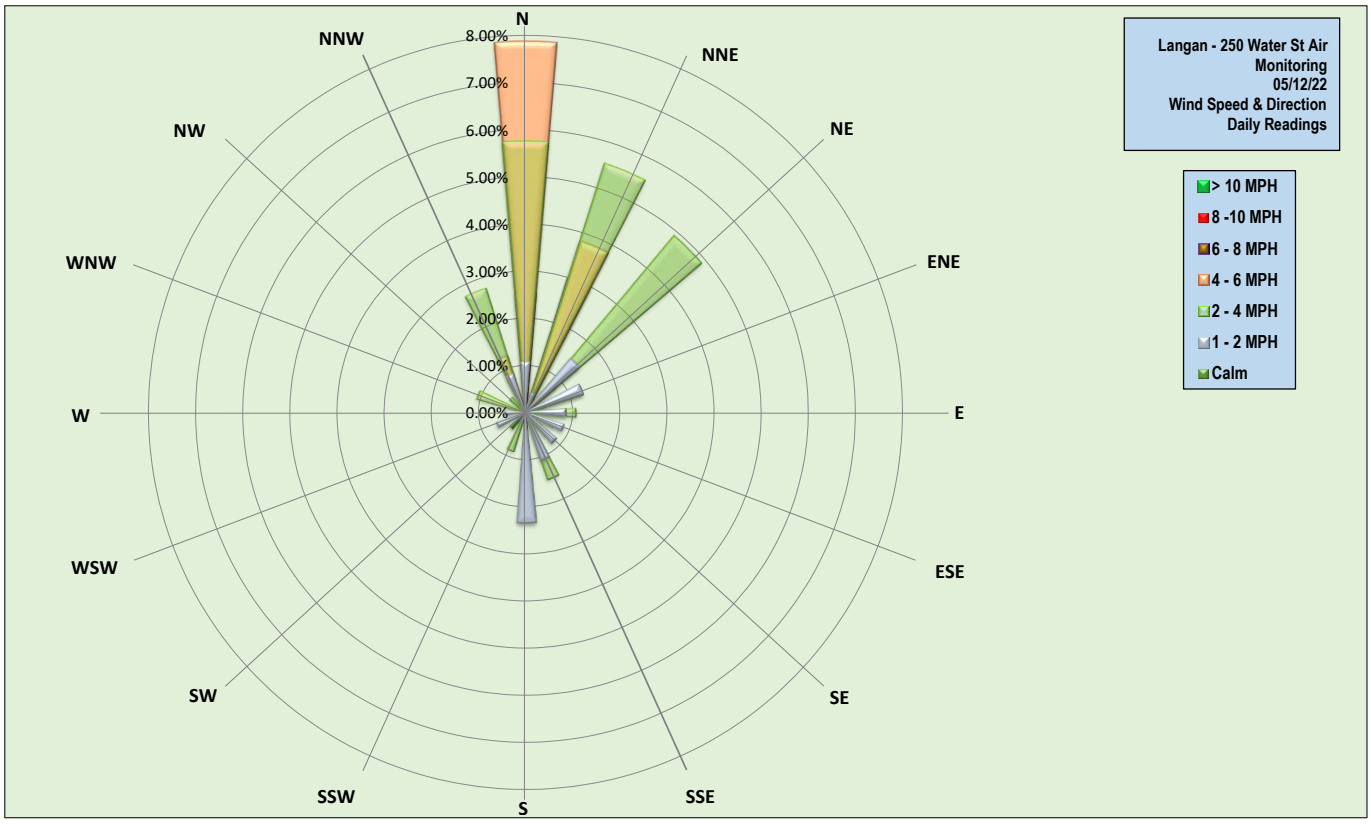
Langan - 250 Water St Air Monitoring
05/12/22
Wind Speed & Direction
Daily Readings
> 10 MPH
8 -10 MPH
6 - 8 MPH
4 - 6 MPH
2 - 4 MPH
1 - 2 MPH
Calm
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%