

SITE OBSERVATION REPORT

PROJECT No.: 170381202 PROJECT: 250 Water Street LOCATION: New York, NY BCP SITE ID: C231127		CLIENT: 250 Seaport District, LLC	DATE: Saturday, December 4, 2021 WEATHER: Partly cloudy, 44-48 °F Wind: ESS @ 1.7 to 6.7 mph TIME: 7:00 am – 4:45 pm
CONTRACTOR: AARCO Environmental Services Corp. (AARCO)		LANGAN REP. : Lamees Esmail	
EQUIPMENT: CME75 and Geoprobe 7822DT Jerome J405/J505 and Lumex 915+ MiniRAE 3000 Dusttrak DRX		PRESENT AT SITE: Lamees Esmail, Thomas Keane, Paul McMahon – Langan Daybi Pacheco – AARCO Brian Ehalt – Excel Environmental	
Geotechnical Investigation Day 4			
OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.: Langan implemented the Community Air Monitoring Plan (CAMP) during a geotechnical investigation at the 250 Water Street site (New York State Department of Environmental Conservation [NYSDEC] Brownfield Cleanup Program [BCP] Site No. C231127). Site Activities <ul style="list-style-type: none"> • AARCO used a truck-mounted CME75 drill rig and a track-mounted Geoprobe 7822 DT drill rig to advance four geotechnical soil borings using mud rotary with split-spoon samplers. <ul style="list-style-type: none"> ○ Borings LB-1 and LB-10 were advanced to 62 feet below grade surface (bgs). ○ Boring LB-2 was advanced to 17 feet bgs. ○ Boring LB-9 was advanced to 25 feet bgs. Material Tracking <ul style="list-style-type: none"> • Soil cuttings were containerized in sealed 55-gallon drums. • No material was imported to the site. • No material was exported from the site. Sampling <ul style="list-style-type: none"> • No environmental samples were collected. 			
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CAMP Activities

Langan performed air monitoring during ground-intrusive activities. Fifteen-minute average concentrations of particulate matter smaller than 10 microns in diameter (PM10), mercury vapor, and volatile organic compounds (VOC) did not exceed action levels for the duration of work activities.

- The PM10 monitoring at work station WZ-1 was not running because of a calibration error. PM-10 concentrations at the perimeter stations did not exceed action levels.

Daily Average Concentrations

Station ID	Particulate (mg/m ³)	Organic Vapor (ppm)	Mercury Vapor (µg/m ³)
PM-1	0.008	0.0	0.0
PM-2	0.004	0.0	0.0
PM-3	0.012	0.2	0.0
PM-4	0.000	0.2	0.0
PM-5	0.000	0.1	0.0
PM-6	0.000	0.1	0.0
WZ-1	N/A	0.4	0.0
WZ-2	0.008	0.4	0.0

Maximum 15-Minute-Average Concentrations

Station ID	Particulate (mg/m ³)	Organic Vapor (ppm)	Mercury Vapor (µg/m ³)
PM-1	0.025	0.3	0.1
PM-2	0.018	0.3	0.1
PM-3	0.044	0.3	0.0
PM-4	0.016	0.3	0.0
PM-5	0.006	0.3	0.0
PM-6	0.016	0.3	0.0
WZ-1	N/A	0.8	0.0
WZ-2	0.039	0.8	0.0

•mg/m³ = milligrams per cubic meter •ppm = parts per million •µg/m³ = micrograms per cubic meter

- Langan used a handheld MultiRAE to monitor VOCs in the work zone and in between the work zone and CAMP stations. Instantaneous VOC readings did not exceed background concentrations.
- Langan used a handheld Lumex 915+ to monitor mercury vapor in the work zone and in between the work zone and CAMP stations. Instantaneous mercury vapor readings did not exceed background concentrations.

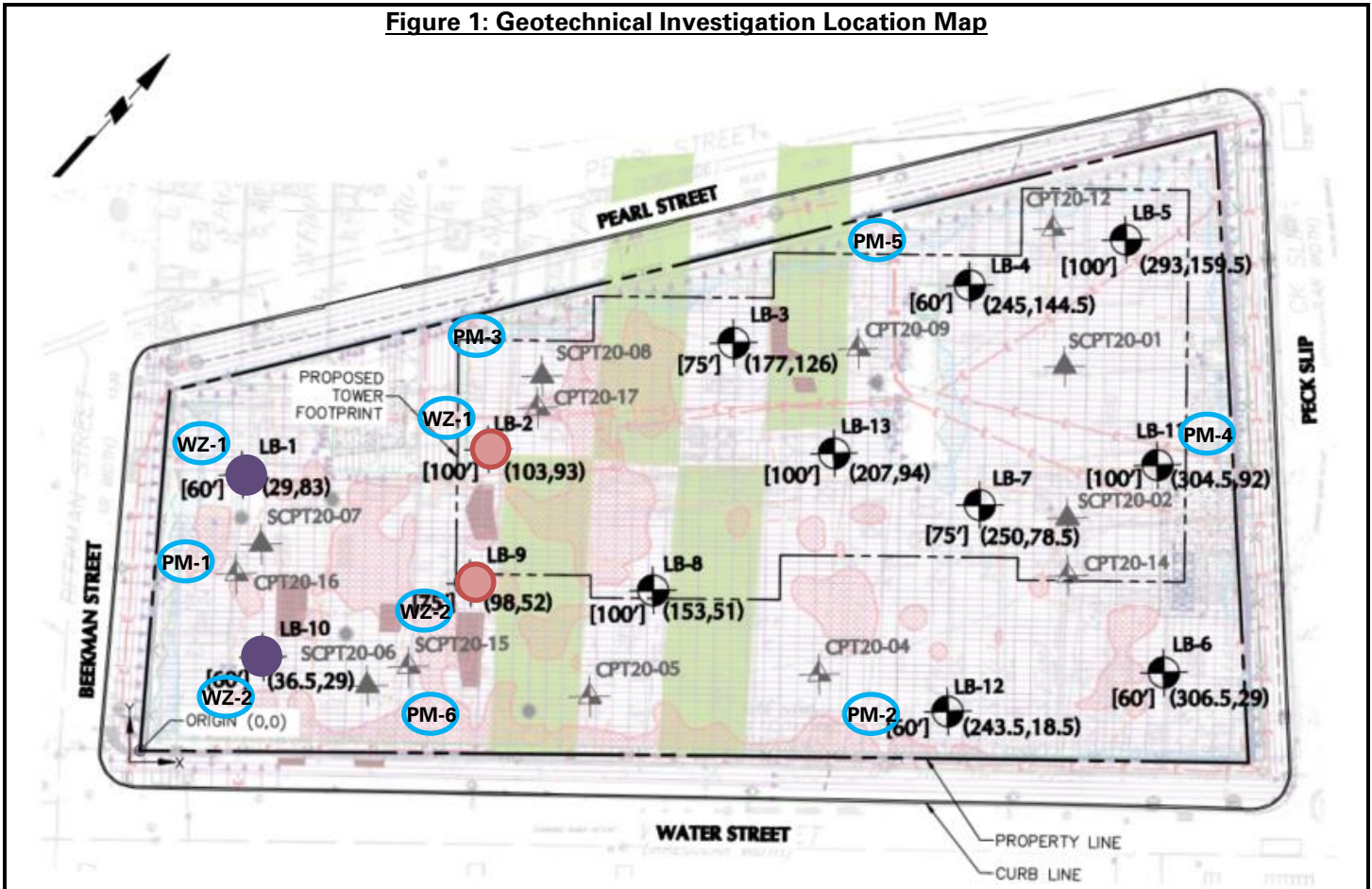
Anticipated Activities

- AARCO will continue drilling soil borings as part of the geotechnical investigation tomorrow.

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Figure 1: Geotechnical Investigation Location Map



Legend:

- Approximate location of in-progress soil boring location
- Approximate location of completed soil boring location
- PM-1 Approximate location of air monitoring station (on-site)
- WZ-1 Approximate locations of work zone air monitoring station

Notes:

1) Air monitoring station were relocated based on work area and wind direction. Locations shown above identify the predominant area of the air monitoring station.

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Select Site Photographs:



Photo 1: View of AARCO drilling LB-10 (facing northwest).



Photo 2: View of air monitoring station PM-6 (facing south).

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