

### SITE OBSERVATION REPORT

Sunny, 66-72 °F

250 Seaport District, LLC

PROJECT: 250 Water Street CLIENT: WEATHER: Wind: 0.0 mph (10:28 am) to N @

5.8 mph (9:48 am)

LOCATION: New York, NY
TIME: 6:45 am – 16:45 pm

**BCP SITE ID**: C231127

CONTRACTOR: AARCO Environmental Services Corp. (AARCO) LANGAN REP. : Tyler Zorn Lexi Haley

EQUIPMENT: PRESENT AT SITE: RI Day 13

Geoprobe 7822 DT

Niton XL3t XRF

Tyler Zorn, Lexi Haley – Langan
Rohn Dixon, Alex Pothemont – A

Rohn Dixon, Alex Pothemont – AARCO Environmental Services Corp.

MiniRAE 3000 Dusttrak DRX

Jerome J505 and J405

#### **OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:**

Langan continued implementing Phase 4 of the May 13, 2020 Remedial Investigation Work Plan (RIWP) for New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C231127 located at 250 Water Street (Manhattan Block 98, Lot 1).

#### **Site Activities**

- AARCO used a Geoprobe 7822 DT drill rig with 4-foot-long Macro-Core® samplers to advance three soil borings. Langan documented the work, screened the soil samples for environmental impacts, and collected soil samples for laboratory analysis.
  - Boring SB11: Boring was advanced to 20 feet below grade surface (bgs). No petroleum-like odors, staining, or photoionization detector (PID) readings above background were observed. Visual evidence of elemental mercury was not identified. Total mercury concentrations evaluated with the Niton XL3t XRF (XRF) were less than the limit of detection (LOD).
  - o Boring SB14: Boring was advanced to 20 feet bgs. No petroleum-like odors, staining, or PID readings above background were observed. Visual evidence of elemental mercury was not identified. Total mercury concentrations evaluated with the XRF were less than the LOD.
  - o Boring SB15: Boring was advanced to 20 feet bgs. No petroleum-like odors, staining, or PID readings above background were observed. Visual evidence of elemental mercury was not identified. Total mercury concentrations evaluated with the XRF were less than the LOD.
- AARCO used a Geoprobe 7822 DT drill rig to install monitoring wells MW11 and MW15.
  - o MW11 consists of a 2-inch-diameter polyvinyl chloride (PVC) monitoring well with 20-slot well screen from about 12 to 22 feet bgs. MW11 will be developed at a future date.
  - o MW15 consists of a 2-inch-diameter PVC monitoring well with 20-slot well screen from about 5 to 15 feet bgs. MW15 will be developed at a future date.
- All soil borings were backfilled with clean drill cuttings from the borehole, clean sand, and/or bentonite and then patched with cold patch asphalt after sampling was completed

Cc:	J. Yanowitz, P. McMahon, M. Raygorodetsky	Ву:	Tyler Zorn, Lexi Haley
			LANGAN



Page 2 of 6

### SITE OBSERVATION REPORT

### **Material Tracking**

- No material was imported to the site.
- No material was exported from the site.
- No investigation derived waste (i.e. soil cutting or groundwater) was generated during site activities.

### Sampling

Soil samples were collected and relinquished to Eurofins Lancaster Laboratories Environmental, Inc. (Eurofins) a New York State Department of Environmental Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory in Lancaster, Pennsylvania (ELAP No. 10670) for analyses proposed in the RIWP:

- The following sample depths were submitted for analysis of volatile organic compounds (VOC), semivolatile organic compounds (SVOC), polychlorinated biphenyls (PCB), pesticides, herbicides, metals including mercury and hexavalent and trivalent chromium, total cyanide, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS):
  - o <u>SB11</u>: 0-2, 6-8, and 18-20 feet bgs
  - o <u>SB14</u>: 0-2, 8-10, and 18-20 feet bgs
  - o SB15: 0-2, 8-10, and 14-16 feet bgs
- Four quality assurance/quality control soil sample (a trip blank, equipment blank, field blank, and duplicate) was collected and submitted for analysis.

Cc:	J. Yanowitz, P. McMahon, M. Raygorodetsky	Ву:	Tyler Zorn, Lexi Haley
			LANGAN



Page 3 of 6

### SITE OBSERVATION REPORT

### **CAMP Activities**

Langan performed air monitoring during ground-intrusive activities. Fifteen-minute average concentrations of mercury vapor and VOCs did not exceed action levels for the duration of work activities. Daily background concentrations for PM10, VOCs, and mercury vapor based on the June 16, 2020 baseline air monitoring event were 0.025 milligrams per cubic meter (mg/m³) for PM10, 0.5 ppm for VOCs, and 0.0 µg/m³ for mercury vapor.

• The fifteen-minute average concentration of particulate matter smaller than 10 microns in diameter (PM10) exceeded action levels from 14:38 am to 14:52 am at work zone air monitoring station. Intrusive work for the day was previously completed and the exceedance was caused by sweeping excess quick-dry cement used to set monitoring well covers. Housekeeping activities were stopped and the fifteen-minute average concentration dropped below the CAMP action level.

Daily Average Concentrations						
Station ID	Particulate (mg/m³)	Organic Vapor (ppm)	Mercury Vapor (µg/m³)			
PM-1	0.017	0.3	0.0			
PM-2	0.026	0.0	0.0			
PM-3	0.022	0.0	0.0			
PM-4	0.012	0.0	0.0			
PM-5	0.014	0.5	0.0			
PM-6	0.019	0.0	0.0			
WZ-1	0.023	0.0	0.0			

mg/m³ = milligrams per cubic meter

ppm = parts per million

μg/m³ = micrograms per cubic meter

Maximum 15-Minute-Average Concentration						
Station ID	Particulate (mg/m³)	Organic Vapor (ppm)	Mercury Vapor (µg/m³)			
PM-1	0.045	0.0	0.0			
PM-2	0.040	0.0	0.0			
PM-3	0.029	0.0	0.0			
PM-4	0.017	0.0	0.0			
PM-5	0.020	1.0	0.0			
PM-6	0.038	0.4	0.0			
WZ-1	0.206	0.0	0.1			

### **Anticipated Activities**

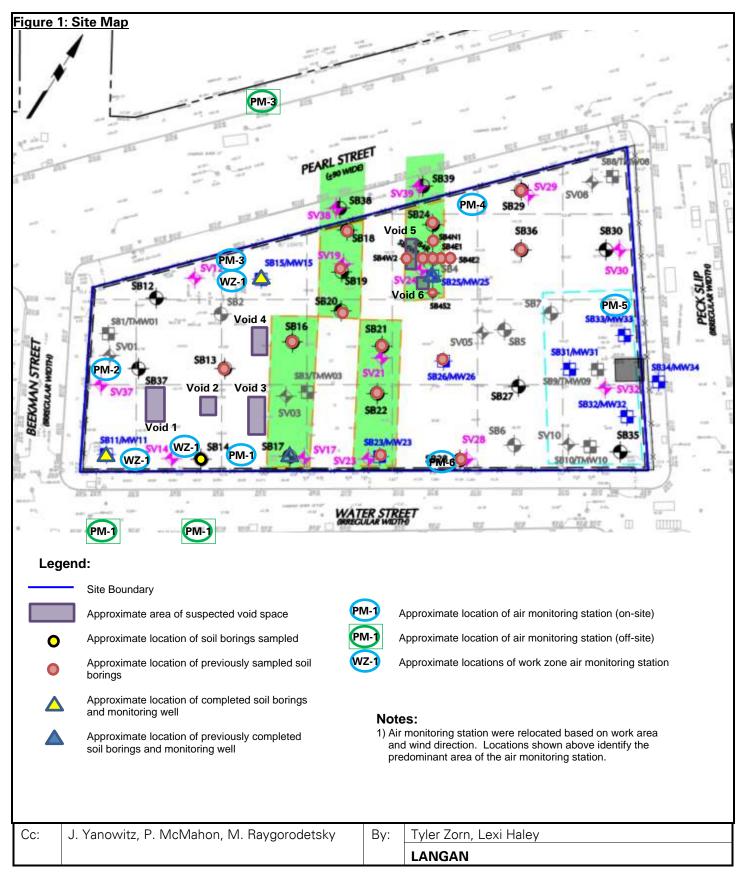
• AARCO and Langan will continue to advance and sample soil borings and install monitoring wells at the site.

Cc:	J. Yanowitz, P. McMahon, M. Raygorodetsky	Ву:	Tyler Zorn, Lexi Haley
			LANGAN



Page 4 of 6

### SITE OBSERVATION REPORT





Page 5 of 6

# SITE OBSERVATION REPORT

# Select Site Photographs:



Photo 1: View of soil from boring SB15.



Photo 2: Perimeter CAMP station WZ-1 and off-site CAMP station PM-1 along Water Street during the drilling of boring SB28 (facing east).

Cc:	J. Yanowitz, P. McMahon, M. Raygorodetsky	Ву:	Tyler Zorn, Lexi Haley
			LANGAN



Page 6 of 6

# SITE OBSERVATION REPORT



Photo 3: AARCO drilling boring SB15 (facing northwest).



Photo 4: View of monitoring well MW11.

Cc: J. Yanowitz, P. McMahon, M. Raygorodetsky

By: Tyler Zorn, Lexi Haley

LANGAN