

## SITE OBSERVATION REPORT

<p><b>PROJECT No.:</b> 170381202</p> <p><b>PROJECT:</b> 250 Water Street</p> <p><b>LOCATION:</b> New York, NY</p> <p><b>BCP SITE ID:</b> C231127</p>	<p><b>CLIENT:</b> 250 Seaport District, LLC c/o The Howard Hughes Corporation</p>	<p><b>DATE:</b> Wednesday, June 29, 2022</p> <p><b>WEATHER:</b> Sunny, 78.9 – 84.3 °F Wind: SE @ 1.3 – 6.8 mph</p> <p><b>TIME:</b> 7:00 AM – 3:30 PM</p> <p><b>MONITOR:</b> Elsayh Boak, Brian Kenneally, Alex Nolan</p>
<p><b>EQUIPMENT:</b> MiniRAE 3000 PID DustTrak II Jerome J405® Jerome J505® Hand tools CAT 374F CAT 325F APE Model 150 Comacchio CH 650</p>	<p><b>PRESENT AT SITE:</b> <span style="float: right;"><b>Day 28</b></span>  <b>Langan</b> (Environmental/Geotechnical) – Elsayh Boak, Brian Kenneally, Alex Nolan  <b>LendLease</b> (Construction Manager) – Marty Cohen  <b>Civetta Cousins JV, LLC (CCJV)</b> (Foundation Contractor) – George Washburn  <b>New York State Department of Environmental Conservation (NYSDEC)</b> – Aaron Fischer, Rafi Alam</p>	
<p><b>OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:</b></p> <p>Langan was present to document remediation activities in accordance with the NYSDEC-approved November 2021 Remedial Action Work Plan (RAWP) at the 250 Water Street site (NYSDEC Brownfield Cleanup Program [BCP] Site No. C231127).</p> <p><b>Site Activities</b></p> <ul style="list-style-type: none"> <li>• CCJV began assembly of a Comacchio CH 650 drill rig in preparation for support-of-excavation (SOE) soldier pile installation along the perimeter of the site.</li> <li>• CCJV installed a test displacement soldier pile to approximately 50 feet below grade surface (bgs) in the central part of the site. Drilling began at 3:00 pm and was completed at about 3:30 pm. No spoils were generated during installation of the test pile. CCJV covered the test pile with polyethylene sheeting following installation.</li> </ul>		
<p>Cc:</p>	<p>M. Raygorodetsky, P. McMahon, M. Au</p>	<p>By: Brian Kenneally</p> <p><b>LANGAN</b></p>

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### Material Tracking

- No material was imported to the site.
- No material was exported from the site.

Material Import Summary				
Facility Name	Stone Industries, Inc.		Stone Industries, Inc.	
Location	Haledon, NJ		Haledon, NJ	
Type of Material	1.5/2.5-inch Virgin Stone		0.75-inch Virgin Stone	
Quantities	No. of Loads	Approx. Volume (Tons)	No. of Loads	Approx. Volume (Tons)
Today	0	0	0	0
Total	7	161.51	0	0
NYSDEC Approved:	1,000 cubic yards (CY)			

Material Export Summary				
Facility Name	Allocco Recycling		Clean Earth of North Jersey	
Location	Brooklyn, NY		Kearny, NJ	
Type of Material	Construction & Demolition (C&D) Debris		Hazardous Lead-Impacted Soil/Fill	
Quantities	No. of Loads	Approx. Volume (CY)	No. of Loads	Approx. Volume (CY)
Today	0	0	0	0
Total	2	25	14	280

### Sampling Activities

- No samples were collected.

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### CAMP Activities

Langan performed air monitoring at the perimeter of the site and at the work zone at seven locations for particulate matter less than 10 microns in diameter (PM10), volatile organic compounds (VOCs), and mercury vapor, during ground-intrusive activities. Fifteen-minute time-weighted average concentrations of PM10, VOCs and mercury vapor did not exceed the action levels established in the site community air monitoring plan (CAMP) for the duration of work activities.

- CAMP was not implemented until 10:42 am due to a lack of ground-intrusive activities.

### Background Concentrations

Background concentrations of mercury vapor and VOCs were recorded using a handheld Jerome® J505 mercury vapor analyzer and a handheld photoionization detector (PID), respectively.

- Background concentrations of mercury vapor at each CAMP station ranged from 0.00 µg/m<sup>3</sup> to 0.01 µg/m<sup>3</sup>.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 ppm.

### Perimeter and Work Zone Concentrations

#### Daily Average Concentrations

Station ID	Particulate (mg/m <sup>3</sup> )	Organic Vapor (ppm)	Mercury Vapor (µg/m <sup>3</sup> )
PM-1	0.014	0.0	0.1
PM-2	0.003	0.1	0.0
PM-3	0.006	0.6	0.0
PM-4	0.010	0.0	0.4
PM-5	0.047	0.1	0.1
PM-6	0.023	0.0	0.0
WZ-1	0.026	0.0	0.0

#### Maximum 15-Minute-Average Concentrations

Station ID	Particulate (mg/m <sup>3</sup> )	Organic Vapor (ppm)	Mercury Vapor (µg/m <sup>3</sup> )
PM-1	0.052	0.0	0.2
PM-2	0.015	0.2	0.0
PM-3	0.016	0.8	0.0
PM-4	0.016	0.0	0.5
PM-5	0.052	0.2	0.3
PM-6	0.059	0.1	0.0
WZ-1	0.044	0.0	0.0

● mg/m<sup>3</sup> = milligrams per cubic meter   ● ppm = parts per million   ● µg/m<sup>3</sup> = micrograms per cubic meter

- Instantaneous mercury vapor concentrations within the work zone ranged from 0.00 µg/m<sup>3</sup> to 0.10 µg/m<sup>3</sup>.

### Ambient Air (Handheld Jerome® J505 and Handheld PID)

- Langan used a handheld Jerome® J505 mercury vapor analyzer and a handheld PID to monitor ambient air conditions at various heights throughout the site.
  - Instantaneous mercury vapor concentrations throughout the site ranged from 0.00 µg/m<sup>3</sup> to 0.06 µg/m<sup>3</sup>.

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- Instantaneous VOC concentrations were not recorded above background concentrations throughout the work day.

### Equipment Troubleshooting

- The DustTrak unit at perimeter CAMP station PM-3 was recalibrated at 1:54 pm due to negative readings being recorded. PM10 readings returned to background conditions following equipment recalibration and data logging resumed at 1:57 pm.

### Prior to CAMP Shutdown

Prior to discontinuing CAMP, VOC and mercury vapor concentrations were confirmed to return to background conditions at each perimeter station using the handheld PID and handheld Jerome® J505 mercury vapor analyzer. CAMP stations were discontinued between 3:38 pm and 3:45 pm at the conclusion of ground-intrusive activities.

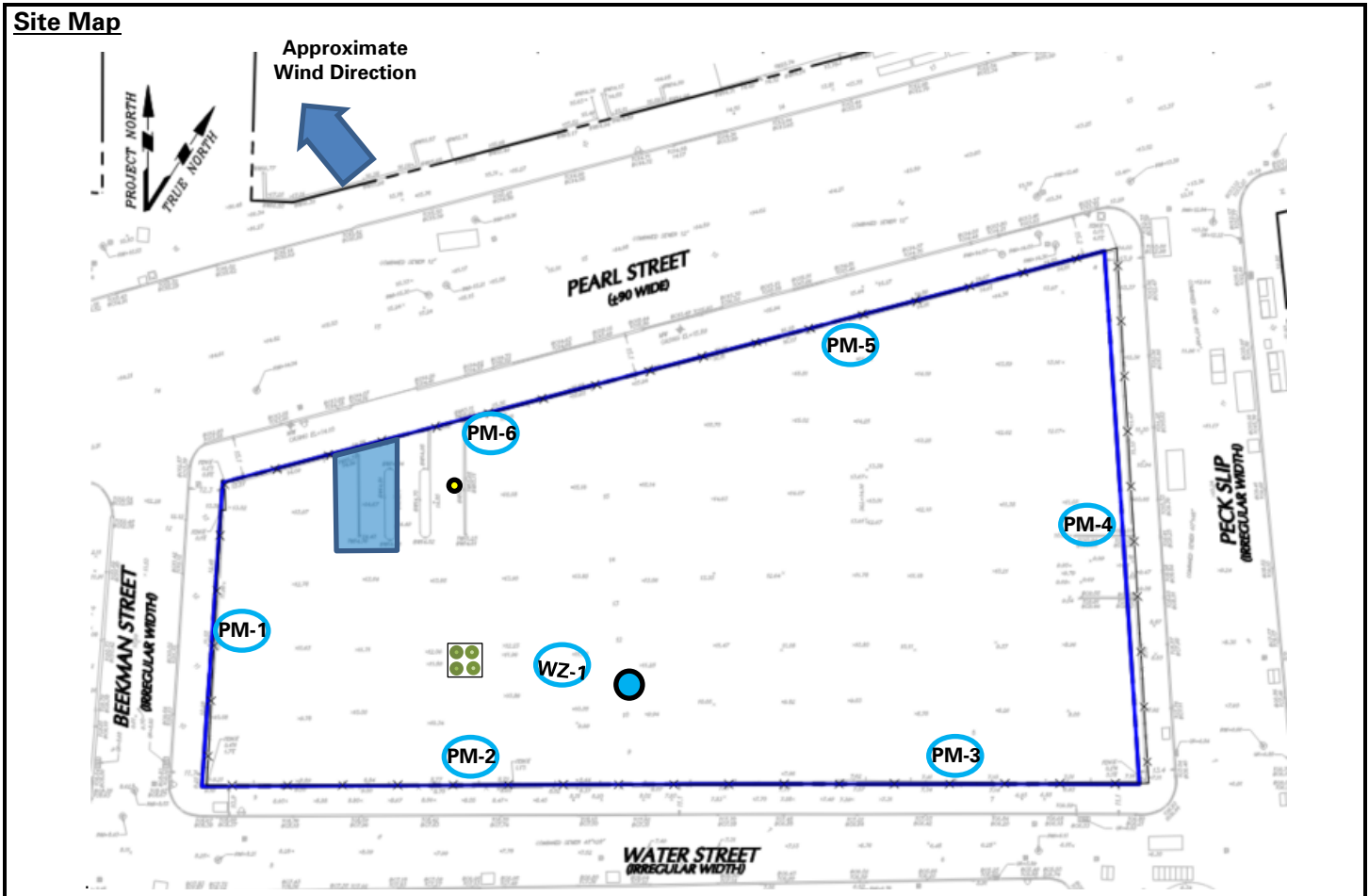
- Mercury vapor concentrations at each CAMP station ranged from 0.00  $\mu\text{g}/\text{m}^3$  to 0.02  $\mu\text{g}/\text{m}^3$ .
- VOC concentrations at each CAMP station were recorded at 0.0 ppm.

### Anticipated Activities

- CCJV will continue mobilization activities in preparation for remediation and construction activities at the site.
- Langan will collect soil samples to facilitate off-site disposal of soil/fill to be excavated during remedial activities.

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**Notes:**  
 1) Locations of air monitoring stations are approximate.

**Legend:**

- Approximate Location of Air Monitoring Station
- Approximate Work Area
- Approximate Location of Future Pile Cap
- Approximate Location of Foundation Piles Completed
- Approximate Location of Settling Tanks
- Approximate Location of Truck Tracking Pad
- Approximate Location of C&D Container
- Approximate Location of Soil Container
- Approximate Location of Stockpiled Virgin Stone
- Approximate Location of 55-gallon drum
- Approximate Location of Soil Boring Completed Today
- Approximate Location of Test Pile

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## SITE OBSERVATION REPORT

### Select Site Photographs:

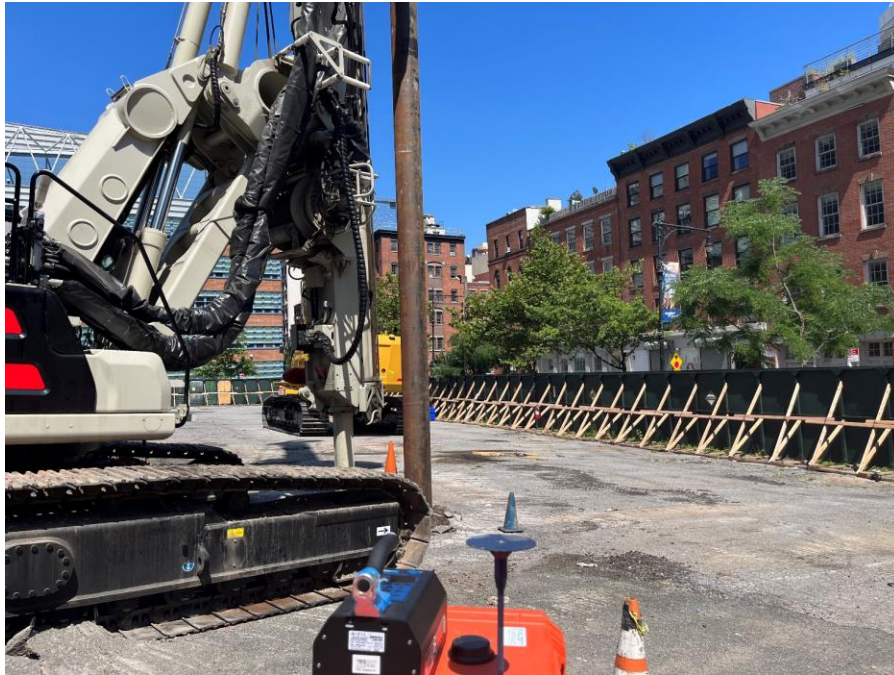


Photo 1: View of CCJV installing a test displacement soldier pile in the central part of the site (facing southeast).

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