

SITE OBSERVATION REPORT

PROJECT No.: 170381202	CLIENT: 250 Seaport District, LLC c/o The Howard Hughes Corporation	DATE: Wednesday, May 11, 2022
PROJECT: 250 Water Street		WEATHER: Sunny, 59.7 – 74.1 °F Wind: NNE @ 1.3 – 9.4 mph
LOCATION: New York, NY		TIME: 6:00 AM – 4:15 PM
BCP SITE ID: C231127		MONITOR: Lauren Roper, Brian Kenneally

EQUIPMENT: MiniRAE 3000 PID DustTrak II Jerome J405® Jerome J505® Hand tools Comacchio MC28 Drill Rig CAT 374F Excavator	PRESENT AT SITE: Langan (Environmental) – Lauren Roper, Brian Kenneally, Paul McMahon LendLease (Construction Manager) – Marty Cohen Civetta Cousins JV, LLC (CCJV) (Foundation Contractor) – George Washburn New York State Department of Environmental Conservation (NYSDEC) – Aaron Fischer Triumvirate/Emilcott – Grant Ginder	Day 11
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OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was present to document remediation and construction 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).

Site Activities

- CCJV removed an about 4-inch-thick asphalt cover in an approximately 40-foot-long by 40-foot-wide area in the southwestern part of the site in preparation for foundation pile installation. Asphalt was temporarily stockpiled adjacent to the work area and covered with polyethylene sheeting in preparation for off-site disposal.
- CCJV advanced a foundation pile to about 50 feet below grade surface (bgs) using a Comacchio MC28 drill rig. Municipally supplied water was used during drilling activities to facilitate installation of the pile and was temporarily containerized in a settling tank. Excess hydrant water generated during drilling activities was collected into a temporary sump and then pumped into the settling tank.

Material Tracking

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

Sampling

- No samples were collected.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lauren Roper, Brian Kenneally
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CAMP Activities

Langan performed air monitoring at the perimeter of the site at six locations for particulate matter less than 10 microns in diameter (PM10), volatile organic compounds (VOCs), and mercury vapor, during ground-intrusive activities. Fifteen-minute 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. Prior to implementation of ground-intrusive work, background concentrations of mercury vapor and VOCs were recorded using the handheld Jerome® J505 mercury vapor analyzer and the handheld PID, respectively.

- Background concentrations of mercury vapor at each CAMP station ranged from 0.02 $\mu\text{g}/\text{m}^3$ to 0.08 $\mu\text{g}/\text{m}^3$.
- Background concentrations of VOCs at each CAMP station were recorded at 0.0 parts per million (ppm).

Daily Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.015	0.0	0.1
PM-2	0.011	0.0	0.0
PM-3	0.014	0.0	0.0
PM-4	0.013	0.0	0.2
PM-5	0.010	0.1	0.0
PM-6	0.017	0.0	0.0

Maximum 15-Minute-Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.040	0.0	0.9
PM-2	0.035	0.0	0.0
PM-3	0.039	0.0	0.0
PM-4	0.036	0.1	0.7
PM-5	0.016	0.2	0.2
PM-6	0.039	0.0	0.0

• mg/m^3 = milligrams per cubic meter • ppm = parts per million • $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

- 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 $\mu\text{g}/\text{m}^3$ to 0.26 $\mu\text{g}/\text{m}^3$, with the exception of one elevated reading discussed below.
 - One instantaneous mercury vapor concentration was detected using the handheld Jerome® J505 mercury vapor analyzer at 3.26 $\mu\text{g}/\text{m}^3$ at 12:00pm. During this time, CCJV was installing a dewatering system in the western portion of the site. No on-site source was identified, as no ground-intrusive activities were ongoing at the time of the elevated reading. The instantaneous concentration was the only reading recorded above the action level, and did not result in a 15-minute time-weighted-average above the action level established in the CAMP.
- 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.
- Concentrations of PM10 and VOCs were not recorded at perimeter station PM-5, which was located upwind of the work area, from 8:18am and 8:32am, 8:52am to 9:10am, 9:18am to 9:30am, 10:22am to 10:33am, 10:36am to 11:52am, and 11:57am to 12:25pm due to a faulty wire within the CAMP station. Troubleshooting

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was completed by the company supplying the equipment (Triumvirate/Emilcott) and the station was repaired at 12:26pm.

- Perimeter CAMP station PM-5 was located in the northeastern portion of the site and about 150 feet away from the work area in an upwind direction.
- Fugitive dust or odors were not observed migrating from the site during these times.
- VOC concentrations were not recorded above background conditions using the handheld PID.
- Instantaneous mercury vapor concentrations recorded with the handheld Jerome® J505 mercury vapor analyzer ranged from 0.00 µg/m³ to 0.11 µg/m³ during these times (with the exception of the elevated reading discussed above).
- Concentrations of PM10 and VOCs were not recorded at perimeter station PM-6, which was located upwind of the work area, from 11:11am to 11:46am due to a malfunction with the telemetry system. The modem within perimeter station PM-6 was reset and data logging resumed at 11:47am.
 - Fugitive dust or odors were not observed migrating off-site during this time.
 - VOC concentrations were not recorded above background conditions using the handheld PID.
- The Jerome® J405 unit within perimeter CAMP station PM-4 was replaced with the handheld Jerome® J505 mercury vapor analyzer at 1:52pm due to prolonged false positive readings detected from the CAMP station. The spare Jerome® J405 unit will be used while the malfunctioning unit is replaced.
- 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 sequentially between 2:58pm and 3:07pm at the conclusion of ground-intrusive activities.
 - Mercury vapor concentrations at each CAMP station ranged from 0.00 µg/m³ to 0.03 µg/m³.
 - VOC concentrations at each CAMP station were recorded at 0.0 ppm.

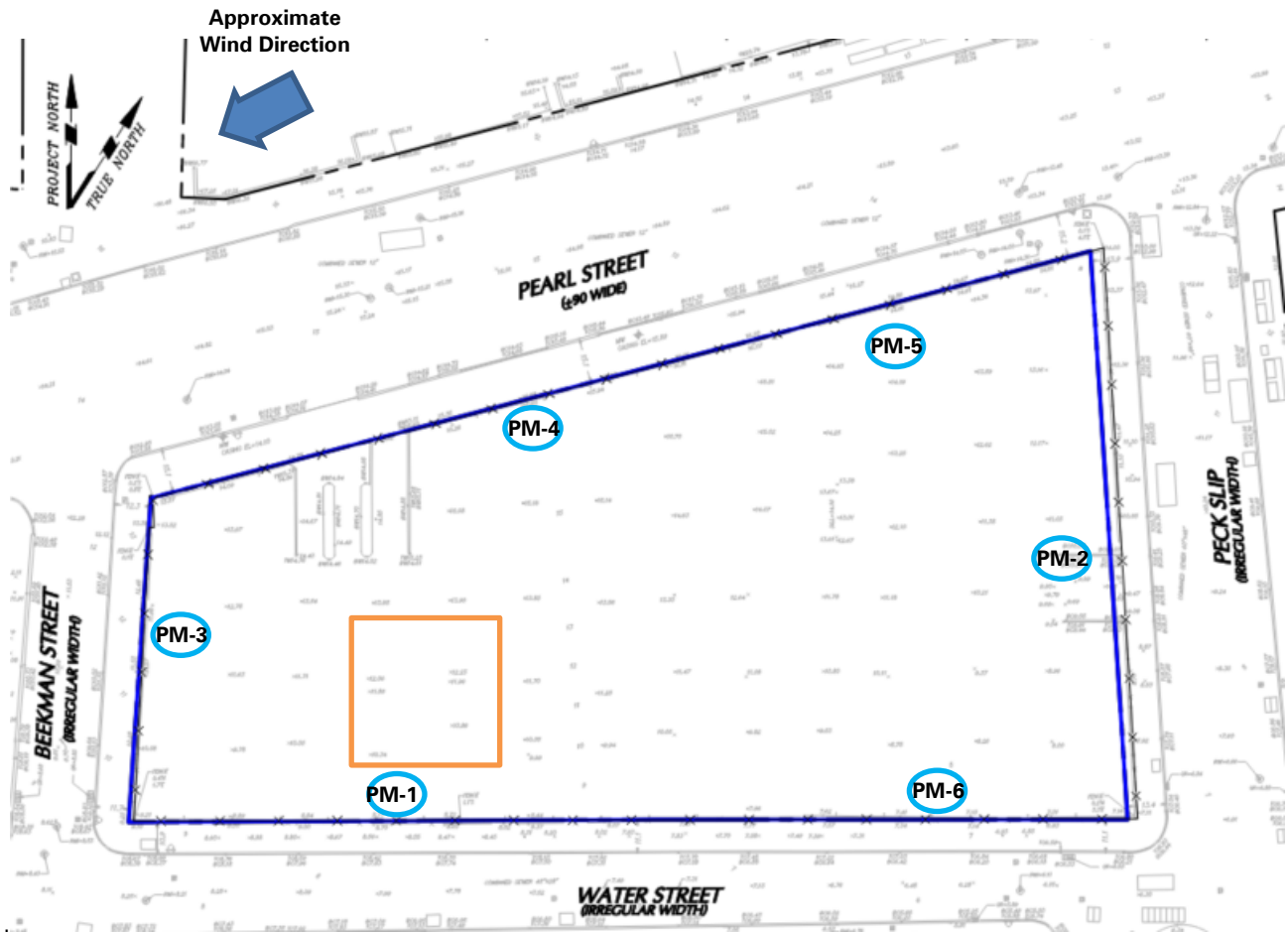
Anticipated Activities

- CCJV will continue drilling for installation of foundation piles in the southwest portion of the site.
- CCJV will import 2½-inch virgin stone for installation of a truck tracking pad in the northwest portion of the site.

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SITE OBSERVATION REPORT

Site Map



Legend:

- PM-1 Approximate location of air monitoring station
- Approximate Work Area

Notes:

1) Locations of air monitoring stations are approximate.

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Select Site Photographs:



Photo 1: CCJV removing the asphalt cover in the southwestern portion of the site (facing southwest)



Photo 2: CCJV advancing a pile in the southwestern portion of the site (facing south)

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SITE OBSERVATION REPORT

<p>PROJECT No.: 170381202</p> <p>PROJECT: 250 Water Street</p> <p>LOCATION: New York, NY</p> <p>BCP SITE ID: C231127</p>	<p>CLIENT: 250 Seaport District, LLC c/o The Howard Hughes Corporation</p>	<p>DATE: Thursday, May 12, 2022</p> <p>WEATHER: Overcast, 61.8 – 70.7 °F Wind: N @ 0.8 – 7.6 mph</p> <p>TIME: 6:00 AM – 3:30 PM</p> <p>MONITOR: Lauren Roper, Brian Kenneally</p>
<p>EQUIPMENT: MiniRAE 3000 PID DustTrak II Jerome J405® Jerome J505® Hand tools Comacchio MC28 Drill Rig CAT 374F Excavator</p>	<p>PRESENT AT SITE: Day 12 Langan (Environmental) – Lauren Roper, Brian Kenneally LendLease (Construction Manager) – Marty Cohen Civetta Cousins JV, LLC (CCJV) (Foundation Contractor) – George Washburn New York State Department of Environmental Conservation (NYSDEC) – Aaron Fischer</p>	
<p>OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:</p> <p>Langan was present to document remediation and construction 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>Site Activities</p> <ul style="list-style-type: none"> • CCJV continued advancing a foundation pile from about 50 feet to 80 feet below grade surface (bgs) in the southwestern portion of the site using a Comacchio MC28 drill rig. Municipally-supplied water was used during drilling activities and recirculated to facilitate installation of the pile and was temporarily containerized in a settling tank. Excess water generated during drilling activities was collected into a temporary sump, lined with polyethylene sheeting, and then pumped into the settling tank. <ul style="list-style-type: none"> ○ CCJV installed steel reinforcement bars within the pile in preparation for grout placement. ○ CCJV placed grout within the pile for installation of the future pile cap. • CCJV began advancement of a foundation pile from surface grade to about 20 feet bgs in the southwestern portion of the site using a Comacchio MC28 drill rig. Municipally-supplied water was used during drilling activities and recirculated to facilitate installation of the pile and was temporarily containerized in a settling tank. Excess water generated during drilling activities was collected into a temporary sump, lined with polyethylene sheeting, and then pumped into the settling tank. • CCJV placed imported 2.5-inch virgin stone in the northwestern portion of the site for installation of a truck tracking pad. <p>Material Tracking</p> <ul style="list-style-type: none"> • CCJV imported one truckload (22.79 tons) of 2.5-inch virgin stone from the Stone Industries Inc. facility located in Haledon, NJ. • CCJV exported one truckload (about 5 cubic yards [CY]) of asphalt from the former parking lot for off-site disposal at the Allocco Recycling facility located in Brooklyn, NY. 		
<p>Cc:</p>	<p>M. Raygorodetsky, P. McMahon, M. Au</p>	<p>By: Lauren Roper, Brian Kenneally</p> <p style="text-align: center;">LANGAN</p>

SITE OBSERVATION REPORT

Material Import Summary		
Facility Name	Stone Industries, Inc.	
Location	Haledon, NJ	
Type of Material	2.5-inch Virgin Stone	
Quantities	No. of Loads	Approx. Volume (Tons)
Today	1	22.79
Total	1	22.79

Material Export Summary		
Facility Name	Allocco Recycling	
Location	Brooklyn, NY	
Type of Material	Construction & Demolition (C&D) Debris	
Quantities	No. of Loads	Approx. Volume (CY ¹)
Today	1	5
Total	1	5

Sampling

- No samples were collected.

Cc: M. Raygorodetsky, P. McMahon, M. Au

By: Lauren Roper, Brian Kenneally

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SITE OBSERVATION REPORT

CAMP Activities

Langan performed air monitoring at the perimeter of the site at six locations for particulate matter less than 10 microns in diameter (PM10), volatile organic compounds (VOCs), and mercury vapor, during ground-intrusive activities. Fifteen-minute 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. Prior to implementation of ground-intrusive work, background concentrations of mercury vapor and VOCs were recorded using the handheld Jerome® J505 mercury vapor analyzer and the 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 parts per million (ppm).

Daily Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.013	0.0	0.0
PM-2	0.014	0.0	0.0
PM-3	0.009	0.0	0.0
PM-4	0.012	0.0	0.0
PM-5	0.010	0.0	0.0
PM-6	0.017	0.0	0.0

Maximum 15-Minute-Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.036	0.0	0.1
PM-2	0.033	0.1	0.0
PM-3	0.019	0.0	0.2
PM-4	0.022	0.0	0.0
PM-5	0.021	0.0	0.1
PM-6	0.037	0.0	0.0

• mg/m^3 = milligrams per cubic meter • ppm = parts per million • $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

- 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 $\mu\text{g}/\text{m}^3$ to 0.23 $\mu\text{g}/\text{m}^3$.
- 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 $\mu\text{g}/\text{m}^3$ to 0.08 $\mu\text{g}/\text{m}^3$.
 - VOC concentrations at each CAMP station were recorded at 0.0 ppm.

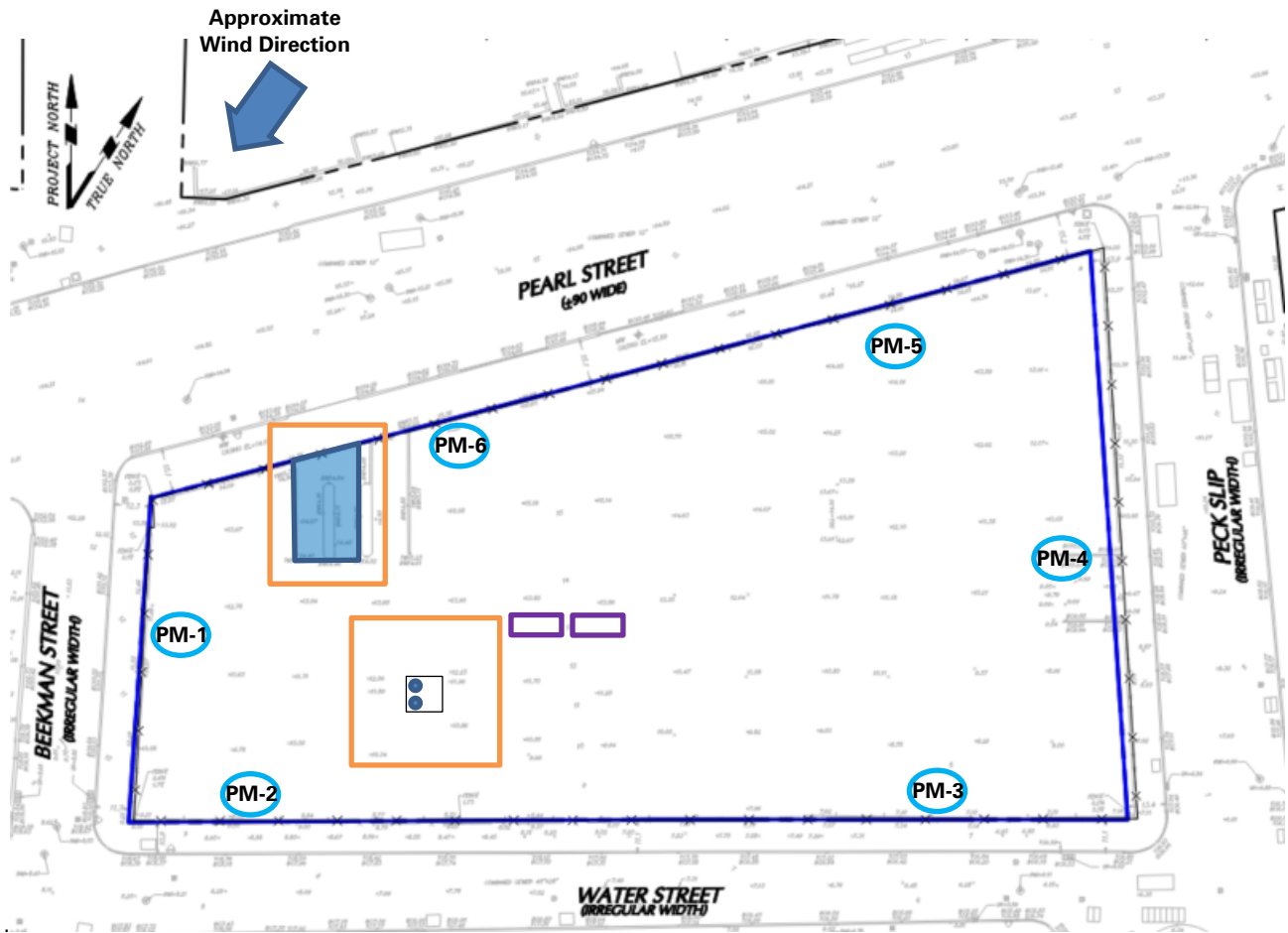
Anticipated Activities

- CCJV will continue installation of foundation piles in the southwest portion of the site.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lauren Roper, Brian Kenneally
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SITE OBSERVATION REPORT

Site Map



Legend:

- PM-1 Approximate Location of Air Monitoring Station
- Approximate Work Area
- Approximate Location of Future Pile Cap
- Approximate Location of Foundation Piles Installed Today
- Approximate Location of Settling Tanks
- Approximate Location of Imported Stone Placement

Notes:

- 1) Locations of air monitoring stations are approximate.

Cc: M. Raygorodetsky, P. McMahon, M. Au

By: Lauren Roper, Brian Kenneally

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SITE OBSERVATION REPORT

Select Site Photographs:



Photo 1: CCJV importing one truckload of 2.5-inch virgin stone for installation of a tracking pad in the northwestern portion of the site (facing northwest)



Photo 2: View of CCJV advancing a pile in the southwestern portion of the site (facing south)

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lauren Roper, Brian Kenneally
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SITE OBSERVATION REPORT

<p>PROJECT No.: 170381202</p> <p>PROJECT: 250 Water Street</p> <p>LOCATION: New York, NY</p> <p>BCP SITE ID: C231127</p>	<p>CLIENT: 250 Seaport District, LLC c/o The Howard Hughes Corporation</p>	<p>DATE: Friday, May 13, 2022</p> <p>WEATHER: Overcast, 60.2 – 71.6 °F Wind: NNE @ 1.0 – 8.0 mph</p> <p>TIME: 6:00 AM – 2:30 PM</p> <p>MONITOR: Lauren Roper, Brian Kenneally</p>
<p>EQUIPMENT: MiniRAE 3000 PID DustTrak II Jerome J405® Jerome J505® Hand tools Comacchio MC28 Drill Rig CAT 374F Excavator</p>	<p>PRESENT AT SITE: Day 13 Langan (Environmental) – Lauren Roper, Brian Kenneally, Shrinidhi Shetty LendLease (Construction Manager) – Marty Cohen Civetta Cousins JV, LLC (CCJV) (Foundation Contractor) – George Washburn The Howard Hughes Corporation</p>	
<p>OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:</p> <p>Langan was present to document remediation and construction 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>Site Activities</p> <ul style="list-style-type: none"> • CCJV continued advancing a foundation pile from about 20 feet to 80 feet below grade surface (bgs) in the southwestern portion of the site using a Comacchio MC28 drill rig. Municipally-supplied water was used during drilling activities and recirculated to facilitate installation of the pile and was temporarily containerized in a settling tank. Excess water generated during drilling activities was collected into a temporary sump, lined with polyethylene sheeting, and then pumped into the settling tank. <ul style="list-style-type: none"> ○ CCJV installed steel reinforcement bars within the pile in preparation for grout placement. ○ CCJV placed grout within the pile for installation of the future pile cap. • CCJV began advancement of a foundation pile from surface grade to about 20 feet bgs in the southwestern portion of the site using a Comacchio MC28 drill rig. Municipally-supplied water was used during drilling activities and recirculated to facilitate installation of the pile and was temporarily containerized in a settling tank. Excess water generated during drilling activities was collected into a temporary sump, lined with polyethylene sheeting, and then pumped into the settling tank. • CCJV graded previously imported 2.5-inch virgin stone for maintenance of the tracking pad in the northwestern portion of the site. 		
<p>Cc:</p>	<p>M. Raygorodetsky, P. McMahon, M. Au</p>	<p>By: Lauren Roper, Brian Kenneally</p> <p>LANGAN</p>

SITE OBSERVATION REPORT

Material Tracking

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

Material Import Summary		
Facility Name	Stone Industries, Inc.	
Location	Haledon, NJ	
Type of Material	2.5-inch Virgin Stone	
Quantities	No. of Loads	Approx. Volume (Tons)
Today	0	0
Total	1	22.79

Material Export Summary		
Facility Name	Allocco Recycling	
Location	Brooklyn, NY	
Type of Material	Construction & Demolition (C&D) Debris	
Quantities	No. of Loads	Approx. Volume (CY)
Today	0	0
Total	1	5

Sampling

- No samples were collected.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lauren Roper, Brian Kenneally
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SITE OBSERVATION REPORT

CAMP Activities

Langan performed air monitoring at the perimeter of the site at six locations for particulate matter less than 10 microns in diameter (PM10), volatile organic compounds (VOCs), and mercury vapor, during ground-intrusive activities. Fifteen-minute 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. Prior to implementation of ground-intrusive work, background concentrations of mercury vapor and VOCs were recorded using the handheld Jerome® J505 mercury vapor analyzer and the 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 parts per million (ppm).

Daily Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.015	0.0	0.0
PM-2	0.013	0.0	0.0
PM-3	0.010	0.3	0.0
PM-4	0.013	0.0	0.0
PM-5	0.007	0.0	0.0
PM-6	0.014	0.0	0.0

Maximum 15-Minute-Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.045	0.0	0.1
PM-2	0.020	0.1	0.0
PM-3	0.016	3.3	0.0
PM-4	0.021	0.0	0.4
PM-5	0.020	0.1	0.4
PM-6	0.019	0.0	0.0

• mg/m^3 = milligrams per cubic meter • ppm = parts per million • $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

- 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 sequentially from 1:44pm to 1:59pm 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 ranged from 0.0 ppm to 0.1 ppm.
- 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 $\mu\text{g}/\text{m}^3$ to 0.09 $\mu\text{g}/\text{m}^3$.
- 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.
- Concentrations of PM10 were not recorded at perimeter station PM-2 from 10:01am to 10:10am due to a connection issue within the CAMP station. The DustTrak within perimeter station PM-2 was reset and data logging resumed at 10:11am. Mercury vapor data was manually downloaded and concentrations during this time were recorded at 0.00 $\mu\text{g}/\text{m}^3$.

Cc: M. Raygorodetsky, P. McMahon, M. Au

By: Lauren Roper, Brian Kenneally

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SITE OBSERVATION REPORT

- Instantaneous mercury vapor concentrations recorded with the handheld Jerome® J505 mercury vapor analyzer at perimeter station PM-2 ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.09 $\mu\text{g}/\text{m}^3$ between 9:50am and 10:01am.
 - Fugitive dust was not observed migrating from the site during these times.
- Concentrations of PM10 and VOCs were not recorded at perimeter station PM-6, which was located upwind of the work area, from 11:05am to 11:11am and from 12:25pm to 12:39pm, due to a malfunction with the telemetry system. The modem within perimeter station PM-6 was reset and data logging resumed at 11:12am and 12:40pm, respectively. Mercury vapor data was manually downloaded and concentrations during this time were recorded at 0.00 $\mu\text{g}/\text{m}^3$.
 - Instantaneous mercury vapor concentrations recorded with the handheld Jerome® J505 mercury vapor analyzer at perimeter station PM-6 ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.07 $\mu\text{g}/\text{m}^3$ during these times.
 - Fugitive dust and odors were not observed migrating from the site during these times.
 - VOC concentrations were not recorded above background conditions using the handheld PID.
- Concentrations of VOCs were not recorded at perimeter station PM-3, which was located upwind of the work area, from 1:31pm to 1:33pm during instrument recalibration. Data logging resumed at 1:34pm and instantaneous VOC concentrations recorded with the handheld PID ranged from 0.0 to 0.2 ppm during this time.
 - Odors were not observed migrating from the site during this time.
 - VOC concentrations were not recorded above background conditions using the handheld PID.

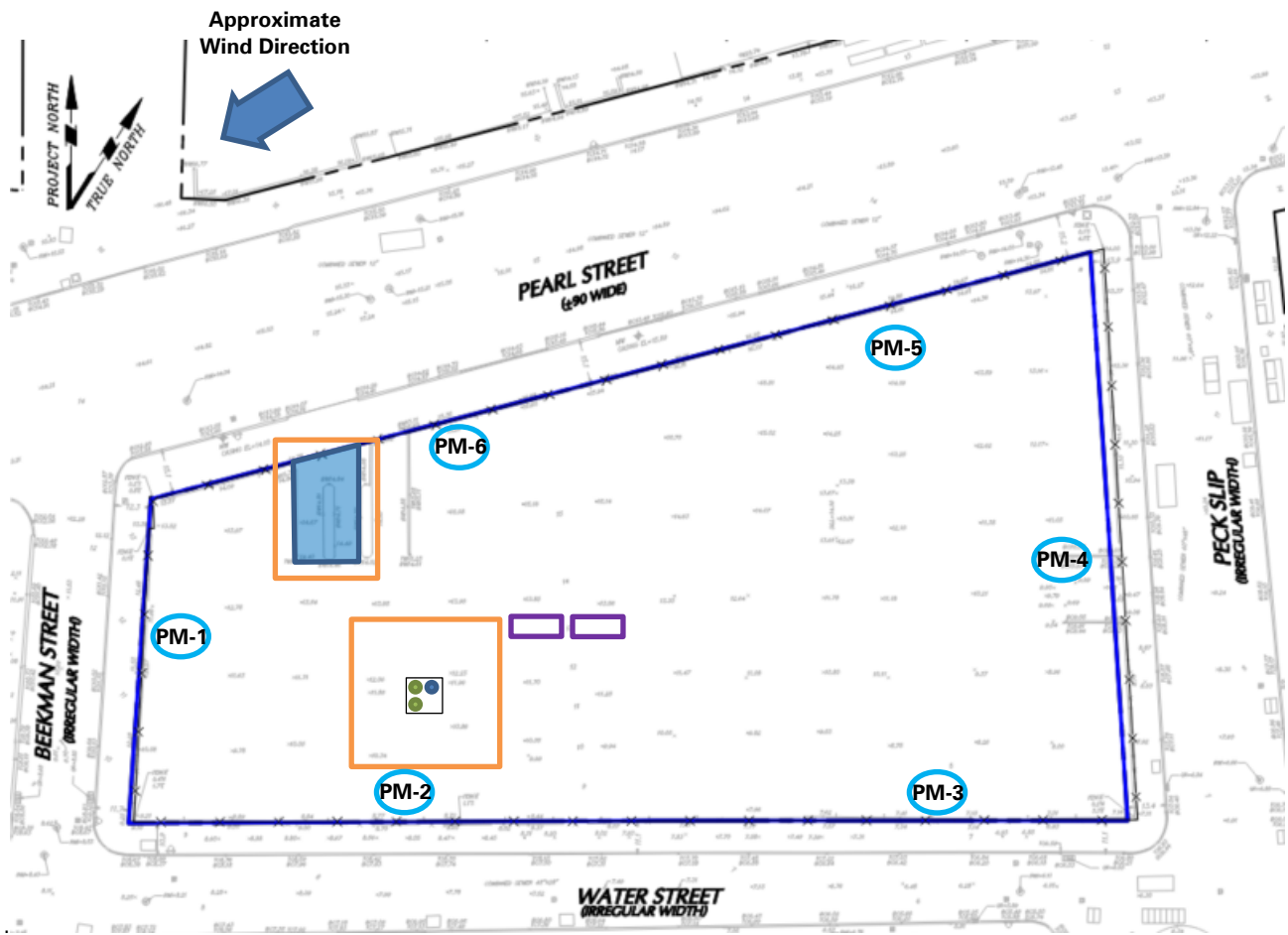
Anticipated Activities

- CCJV will continue installation of foundation piles in the southwest portion of the site.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lauren Roper, Brian Kenneally
			LANGAN

SITE OBSERVATION REPORT

Site Map



Legend:

- PM-1 Approximate Location of Air Monitoring Station
- Approximate Work Area
- Approximate Location of Future Pile Cap
- Approximate Location of Foundation Piles In Progress
- Approximate Location of Foundation Piles Completed
- Approximate Location of Settling Tanks
- Approximate Location of Truck Tracking Pad

Notes:

- 1) Locations of air monitoring stations are approximate.

Cc: M. Raygorodetsky, P. McMahon, M. Au

By: Lauren Roper, Brian Kenneally

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Select Site Photographs:



Photo 1: View of CCJV advancing a foundation pile in the southwestern portion of the site (facing southwest)

Cc: M. Raygorodetsky, P. McMahon, M. Au

By: Lauren Roper, Brian Kenneally

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SITE OBSERVATION REPORT

PROJECT No.: 170381202	CLIENT: 250 Seaport District, LLC c/o The Howard Hughes Corporation	DATE: Saturday, May 14, 2022
PROJECT: 250 Water Street		WEATHER: Overcast, 63.0 – 67.0 °F Wind: ESE @ 1.2 – 2.5 mph
LOCATION: New York, NY		TIME: 7:00 AM – 2:00 PM
BCP SITE ID: C231127		MONITOR: Lexi Haley, Audrey Seery

EQUIPMENT: MiniRAE 3000 PID DustTrak II Jerome J405® Jerome J505® Hand tools Comacchio MC28 Drill Rig CAT 374F Excavator	PRESENT AT SITE: Langan (Environmental) – Lexi Haley, Audrey Seery, Bill Pagano LendLease (Construction Manager) – Marty Cohen Civetta Cousins JV, LLC (CCJV) (Foundation Contractor) – George Washburn	Day 14
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OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was present to document remediation and construction 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).

Site Activities

- CCJV continued advancing a foundation pile from about 20 feet to 85 feet below grade surface (bgs) in the southwestern portion of the site using a Comacchio MC28 drill rig. Municipally-supplied water was used during drilling activities and recirculated to facilitate installation of the pile and was temporarily containerized in a settling tank. Excess water generated during drilling activities was collected into a temporary sump, lined with polyethylene sheeting, and then pumped into the settling tank.
 - CCJV installed steel reinforcement bars within the pile in preparation for grout placement.
 - CCJV placed grout within the pile for installation of the future pile cap.
- CCJV graded previously imported 2.5-inch virgin stone for maintenance of the tracking pad in the northwestern portion of the site.
- CCJV placed concrete in an about 20-foot-long by 2-foot-wide area along the northern edge of the tracking pad to create an access ramp for vehicular access.

Cc: M. Raygorodetsky, P. McMahon, M. Au	By: Lexi Haley, Audrey Seery
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SITE OBSERVATION REPORT

Material Tracking

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

Material Import Summary		
Facility Name	Stone Industries, Inc.	
Location	Haledon, NJ	
Type of Material	2.5-inch Virgin Stone	
Quantities	No. of Loads	Approx. Volume (Tons)
Today	0	0
Total	1	22.79

Material Export Summary		
Facility Name	Allocco Recycling	
Location	Brooklyn, NY	
Type of Material	Construction & Demolition (C&D) Debris	
Quantities	No. of Loads	Approx. Volume (CY)
Today	0	0
Total	1	5

Sampling

- No samples were collected.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lexi Haley, Audrey Seery
			LANGAN

SITE OBSERVATION REPORT

CAMP Activities

Langan performed air monitoring at the perimeter of the site at six locations for particulate matter less than 10 microns in diameter (PM10), volatile organic compounds (VOCs), and mercury vapor, during ground-intrusive activities. Fifteen-minute 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. Prior to implementation of ground-intrusive work, background concentrations of mercury vapor and VOCs were recorded using the handheld Jerome® J505 mercury vapor analyzer and the handheld PID, respectively.

- Background concentrations of mercury vapor at each CAMP station ranged from 0.04 $\mu\text{g}/\text{m}^3$ to 0.08 $\mu\text{g}/\text{m}^3$.
- Background concentration of VOCs at each CAMP station were recorded at 0.0 parts per million (ppm).

Daily Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.039	0.0	0.0
PM-2	0.038	0.0	0.0
PM-3	0.031	0.0	0.0
PM-4	0.048	0.0	0.0
PM-5	0.018	0.0	0.1
PM-6	0.041	0.0	0.0

Maximum 15-Minute-Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.088	0.0	0.1
PM-2	0.067	0.3	0.0
PM-3	0.051	0.0	0.0
PM-4	0.076	0.0	0.0
PM-5	0.024	0.0	0.3
PM-6	0.060	0.0	0.0

• mg/m^3 = milligrams per cubic meter • ppm = parts per million • $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

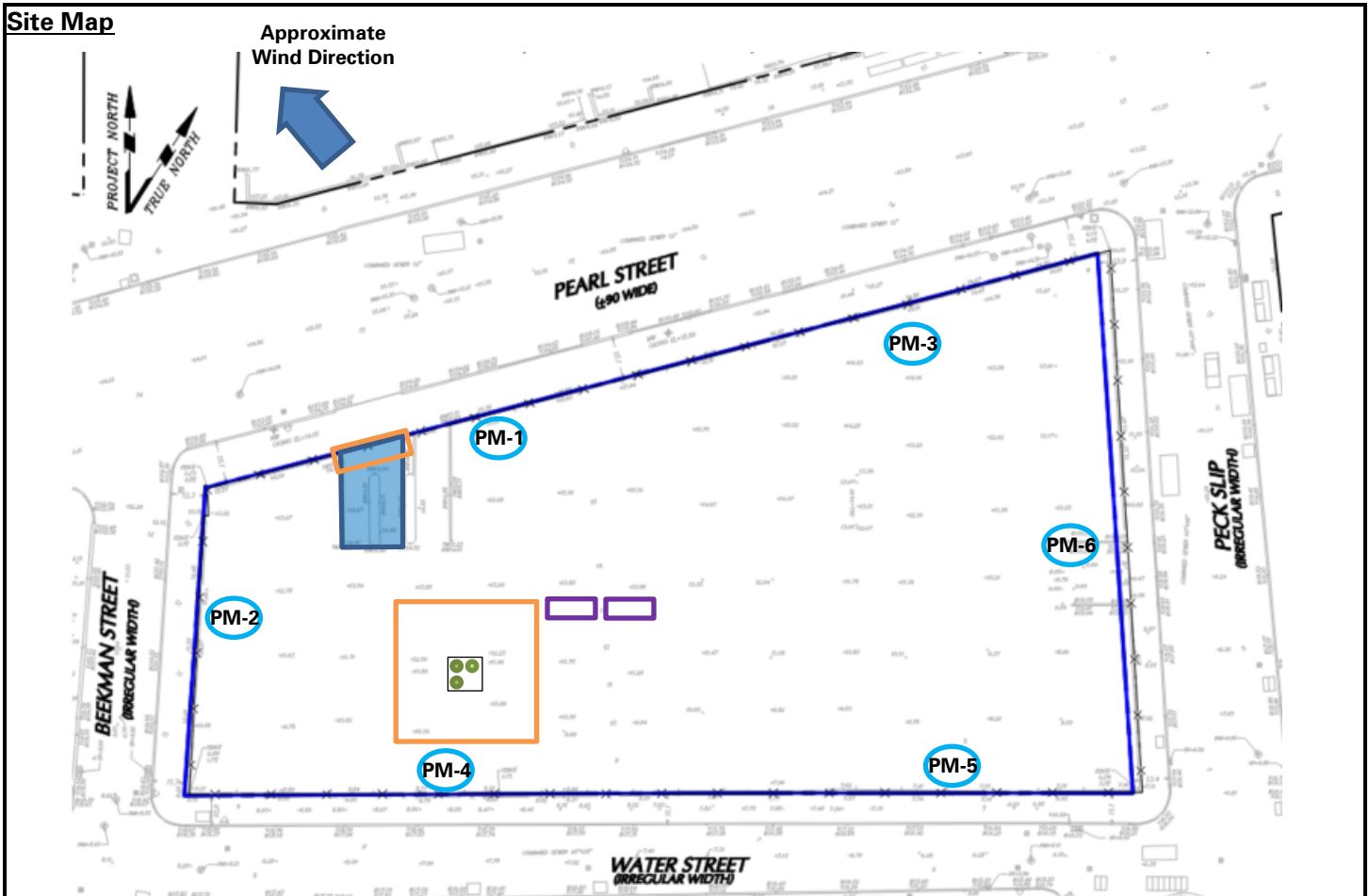
- Langan used a handheld Jerome® J505 mercury analyzer to monitor ambient air conditions within the work zone and throughout the site. Instantaneous mercury vapor concentrations ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.23 $\mu\text{g}/\text{m}^3$.
- Langan used a handheld photoionization detector (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 sequentially from 12:27 pm to 12:45 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 0.08 $\mu\text{g}/\text{m}^3$.
 - VOC concentrations at each CAMP station were recorded at 0.2 ppm.

Anticipated Activities

- CCJV will continue installation of foundation piles in the southwest portion of the site.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lexi Haley, Audrey Seery
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SITE OBSERVATION REPORT



Legend:

- PM-1 Approximate Location of Air Monitoring Station
- Approximate Work Area
- Approximate Location of Future Pile Cap
- Approximate Location of Foundation Piles In Progress
- Approximate Location of Foundation Piles Completed
- Approximate Location of Settling Tanks
- Approximate Location of Truck Tracking Pad

Notes:

1) Locations of air monitoring stations are approximate.

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SITE OBSERVATION REPORT

Select Site Photographs:



Photo 1: View of concrete placed along the northern edge of the tracking pad (facing southwest).

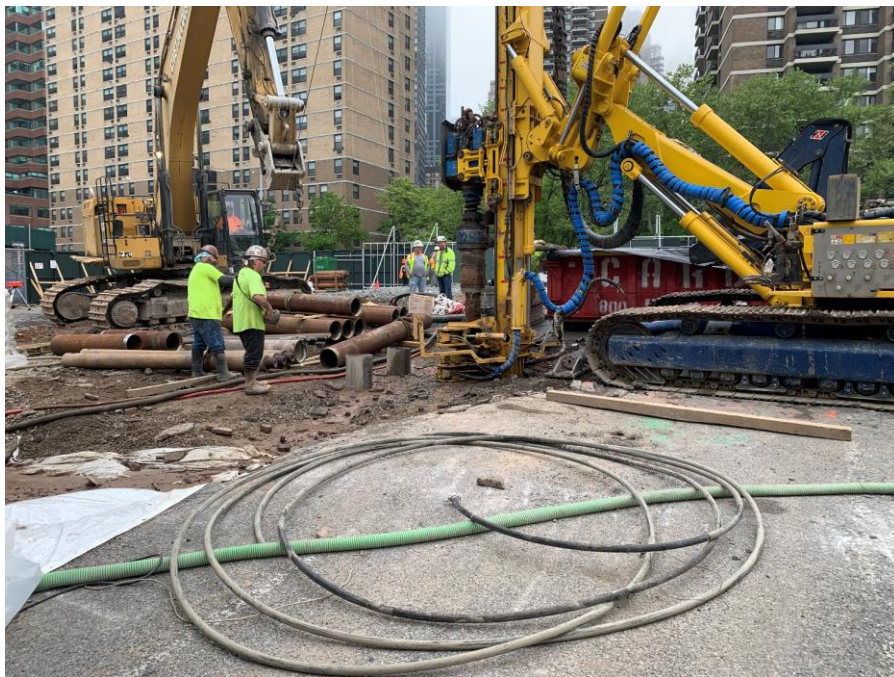


Photo 2: View of CCJV advancing a foundation pile in the southwestern portion of the site (facing northwest).

Cc: M. Raygorodetsky, P. McMahon, M. Au

By: Lexi Haley, Audrey Seery

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SITE OBSERVATION REPORT

PROJECT No.: 170381202	CLIENT: 250 Seaport District, LLC c/o The Howard Hughes Corporation	DATE: Monday, May 16, 2022
PROJECT: 250 Water Street		WEATHER: Overcast, 63.0 – 78.0 °F Wind: SSE @ 1.7 – 5.7 mph
LOCATION: New York, NY		TIME: 6:15 AM – 3:15 PM
BCP SITE ID: C231127		MONITOR: Elsay Boak, Lauren Roper

EQUIPMENT: MiniRAE 3000 PID DustTrak II Jerome J405® Jerome J505® Hand tools Comacchio MC28 Drill Rig CAT 374F Excavator	PRESENT AT SITE: Langan (Environmental) – Elsay Boak, Lauren Roper, Shrinidhi Shetty LendLease (Construction Manager) – Marty Cohen Civetta Cousins JV, LLC (CCJV) (Foundation Contractor) – George Washburn	Day 15
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OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was present to document remediation and construction 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).

Site Activities

- CCJV advanced a foundation pile from grade surface to about 85 feet below grade surface (bgs) in the southwestern portion of the site using a Comacchio MC28 drill rig. Municipally-supplied water was used during drilling activities and recirculated to facilitate installation of the pile and was temporarily containerized in a settling tank. Excess water generated during drilling activities was collected into a temporary sump, lined with polyethylene sheeting, and then pumped into the settling tank.
 - CCJV installed steel reinforcement bars within the pile in preparation for grout placement.
 - CCJV placed grout within the pile for installation of the future pile cap.
- CCJV advanced a dewatering well from grade surface to about 35 feet bgs adjacent to the previously installed foundation piles in the southwestern portion of the site using a Comacchio MC28 drill rig.
- CCJV extended the excavation area in an approximately 20-foot-long by 5-foot-wide area to about 1 foot bgs in the southwestern portion of the site, to prevent potential storm water runoff in preparation for a forecasted rain event. Excavated soil/fill was graded immediately adjacent to the temporary sump to mitigate the potential for off-site migration of the potential storm water runoff.
- Exposed soil/fill was covered with polyethylene sheeting at the end of the work day.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Elsay Boak, Lauren Roper
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SITE OBSERVATION REPORT

Material Tracking

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

Material Import Summary		
Facility Name	Stone Industries, Inc.	
Location	Haledon, NJ	
Type of Material	2.5-inch Virgin Stone	
Quantities	No. of Loads	Approx. Volume (Tons)
Today	0	0
Total	1	22.79

Material Export Summary		
Facility Name	Allocco Recycling	
Location	Brooklyn, NY	
Type of Material	Construction & Demolition (C&D) Debris	
Quantities	No. of Loads	Approx. Volume (CY)
Today	0	0
Total	1	5

Sampling

- No samples were collected.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Elsah Boak, Lauren Roper
			LANGAN

SITE OBSERVATION REPORT

CAMP Activities

Langan performed air monitoring at the perimeter of the site at six locations for particulate matter less than 10 microns in diameter (PM10), volatile organic compounds (VOCs), and mercury vapor, during ground-intrusive activities. Fifteen-minute average concentrations of VOCs did not exceed the action levels established in the site community air monitoring plan (CAMP) for the duration of work activities. Prior to implementation of ground-intrusive work, 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 0.03 $\mu\text{g}/\text{m}^3$ to 0.10 $\mu\text{g}/\text{m}^3$.
- Background concentration of VOCs at each CAMP station were recorded at 0.0 parts per million (ppm).

Daily Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.033	0.0	0.1
PM-2	0.042	0.0	0.0
PM-3	0.030	0.0	0.0
PM-4	0.034	0.0	0.0
PM-5	0.026	0.0	0.1
PM-6	0.041	0.0	0.0

Maximum 15-Minute-Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.047	0.0	0.1
PM-2	*0.113 @ 11:53am	0.1	0.0
PM-3	0.049	0.0	0.1
PM-4	0.053	0.0	0.1
PM-5	0.042	0.0	**1.3 @ 1:22pm
PM-6	0.085	0.0	0.0

• mg/m^3 = milligrams per cubic meter • ppm = parts per million • $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

- *Particulate concentrations exceeded the action level established in the CAMP from 11:49am to 11:55am at perimeter station PM-2, located upwind of the work zone. During this time, CCJV was demobilizing a grout mixer and no ground-intrusive activities were ongoing at the site.
 - Dust suppression measures (ie. spraying the ground surface with water) were implemented and PM10 concentrations returned to background conditions.
 - Fugitive dust was not observed migrating from the site during this time.
- **Mercury vapor concentrations exceeded the action level established in the CAMP from 1:18pm to 1:26pm at perimeter station PM-5, located along Pearl Street. During this time, no ground-intrusive activities were ongoing at the site and CCJV was in the process of covering exposed soil/fill with polyethylene sheeting. No on-site source of mercury vapor was identified based on continuous screening with the Jerome J505 unit.
 - The 15-minute time-weighted-average concentrations of mercury vapor exceeding the action level ranged from 1.1 to 1.3 $\mu\text{g}/\text{m}^3$ and the exceedances were caused by instantaneous mercury vapor concentrations ranging from 0.0 $\mu\text{g}/\text{m}^3$ to 3.0 $\mu\text{g}/\text{m}^3$ between 1:08pm and 1:22pm.
 - Jerome® J505 mercury vapor analyzer concentrations ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.08 $\mu\text{g}/\text{m}^3$ during this time.

Cc: M. Raygorodetsky, P. McMahon, M. Au

By: Elsah Boak, Lauren Roper

LANGAN

SITE OBSERVATION REPORT

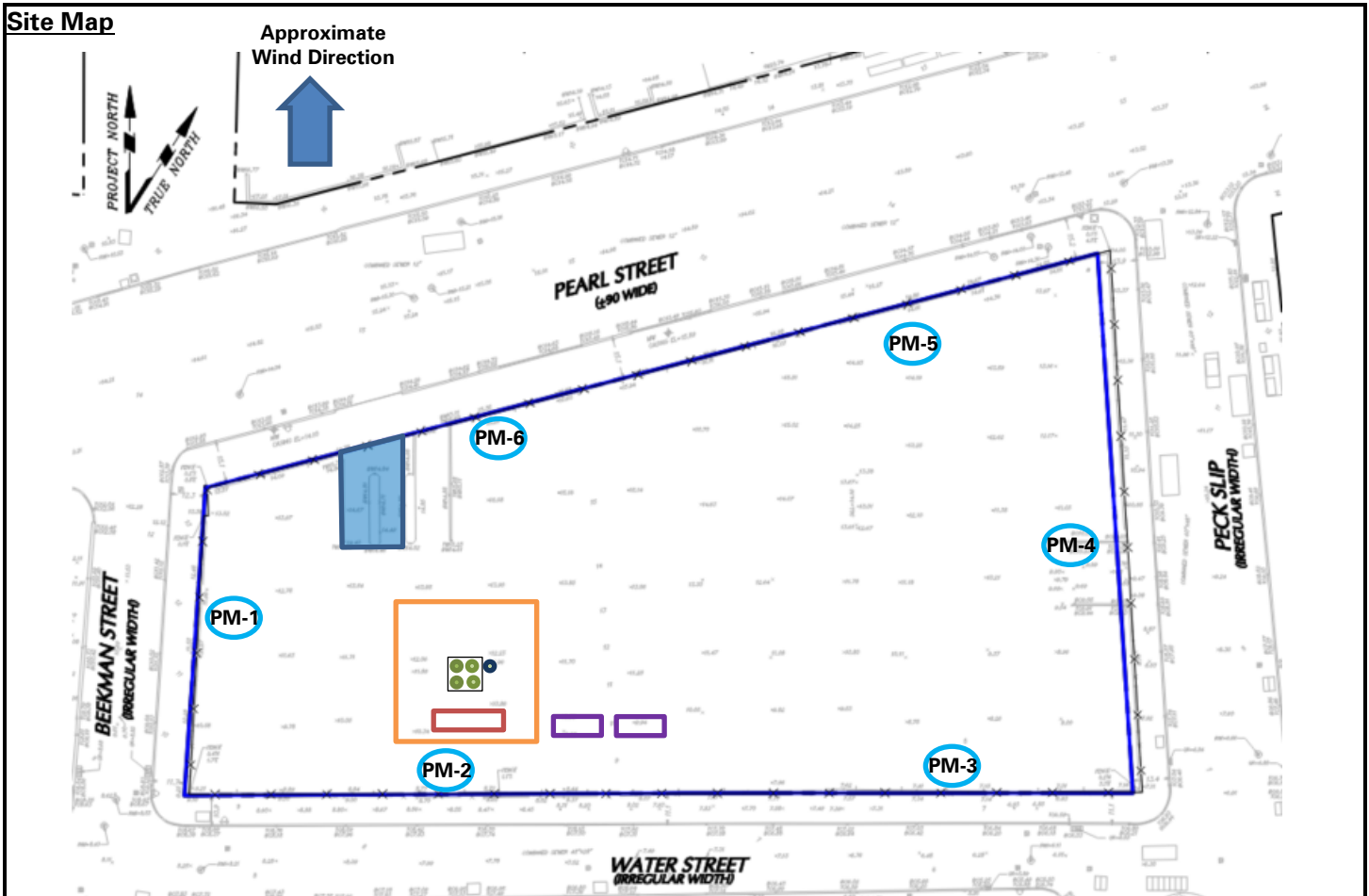
- Based on the mercury vapor concentrations recorded from the Jerome® J405 unit within perimeter station PM-5 being inconsistent with all other observations from mercury vapor monitors on May 16, 2022 and on an evaluation of previous data from the unit, this unit is being replaced. The replacement unit is anticipated to arrive for use on Thursday, May 19, 2022.
- Langan used a handheld Jerome® J505 mercury analyzer to monitor ambient air conditions within the work zone and at various heights throughout the site. Instantaneous mercury vapor concentrations ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.31 $\mu\text{g}/\text{m}^3$.
- Langan used a handheld 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.
- Concentrations of PM10 were not recorded at perimeter station PM-2, which was located upwind of the work area, from 8:26am to 8:46am, due to a disconnected power cable. The power cable was reconnected and data logging resumed at 8:47am. Mercury vapor data was manually downloaded and concentrations during this time were recorded at 0.00 $\mu\text{g}/\text{m}^3$. VOC data was manually downloaded and concentrations during this time ranged from 0.0 ppm to 0.1 ppm.
 - Instantaneous mercury vapor concentrations recorded with the handheld Jerome® J505 mercury vapor analyzer at perimeter station PM-2 ranged from 0.05 $\mu\text{g}/\text{m}^3$ to 0.10 $\mu\text{g}/\text{m}^3$ during this time.
 - Fugitive dust was not observed migrating from the site during this time.
- 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 sequentially from 2:19pm to 2:26pm at the conclusion of ground-intrusive activities.
 - Mercury vapor concentrations at each CAMP station ranged from 0.04 $\mu\text{g}/\text{m}^3$ to 0.10 $\mu\text{g}/\text{m}^3$.
 - VOC concentrations at each CAMP station were recorded at 0.0 ppm.

Anticipated Activities

- CCJV will excavate soil/fill around the previously installed foundation piles in the southwestern portion of the site.
- CCJV will export excavated soil/fill to the Clean Earth of North Jersey (CENJ) facility, located in Kearny, NJ.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Elsah Boak, Lauren Roper
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SITE OBSERVATION REPORT



Legend:

- PM-1 Approximate Location of Air Monitoring Station
- Approximate Work Area
- Approximate Location of Future Pile Cap
- Approximate Location of Foundation Piles In Progress
- Approximate Location of Foundation Piles Completed
- Approximate Location of Settling Tanks
- Approximate Location of Truck Tracking Pad
- Approximate Location of Dewatering Well

Notes:

1) Locations of air monitoring stations are approximate.

Excess water collection sump

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Elsah Boak, Lauren Roper
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SITE OBSERVATION REPORT

Select Site Photographs:

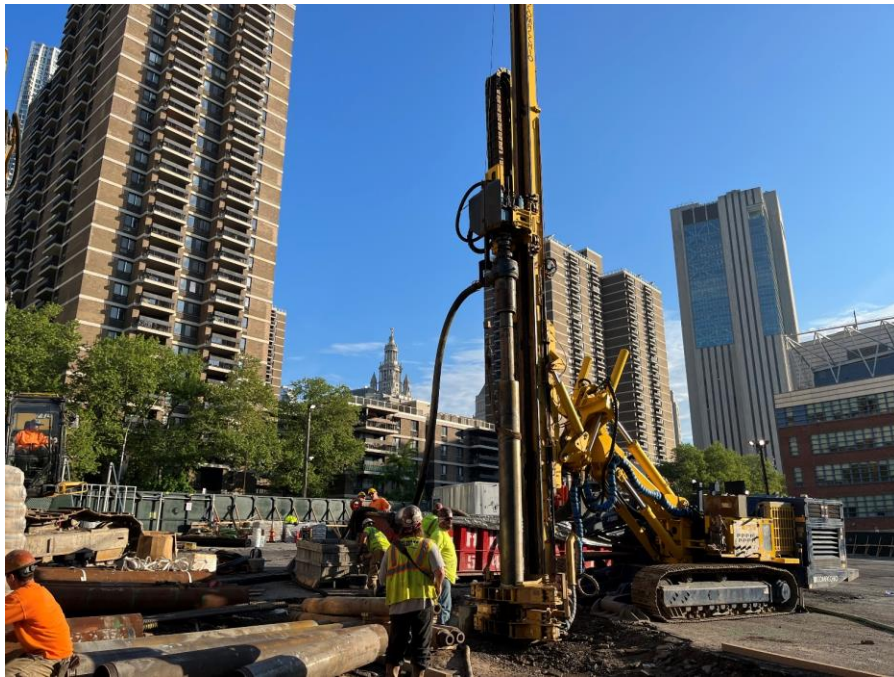


Photo 1: View of CCJV advancing a foundation pile in the southwestern portion of the site (facing northeast).



Photo 2: View of covered roll-off containers and polyethylene sheeting atop the excavation area in the southwestern portion of the site (facing southwest).

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Elsah Boak, Lauren Roper
		LANGAN	

SITE OBSERVATION REPORT

<p>PROJECT No.: 170381202</p> <p>PROJECT: 250 Water Street</p> <p>LOCATION: New York, NY</p> <p>BCP SITE ID: C231127</p>	<p>CLIENT: 250 Seaport District, LLC c/o The Howard Hughes Corporation</p>	<p>DATE: Tuesday, May 17, 2022</p> <p>WEATHER: Clear, 68.3 – 80.0 °F Wind: ESE, SE @ 0.8 – 7.0 mph</p> <p>TIME: 6:00 AM – 5:30 PM</p> <p>MONITOR: Lauren Roper, Brian Kenneally</p>
<p>EQUIPMENT: MiniRAE 3000 PID DustTrak II Jerome J405® Jerome J505® Hand tools CAT 374F Komatsu 969</p>	<p>PRESENT AT SITE: Day 16 Langan (Environmental) – Lauren Roper, Brian Kenneally, Elsayh Boak, William Bohrer LendLease (Construction Manager) – Marty Cohen Civetta Cousins JV, LLC (CCJV) (Foundation Contractor) – George Washburn Excel Environmental Resources – Brian Ehalt Department of Environmental Conservation (DEC) – Paul Pancini</p>	
<p>OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:</p> <p>Langan was present to document remediation and construction 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>Site Activities</p> <ul style="list-style-type: none"> • CCJV excavated an approximately 30-foot-long by 35-foot-wide area to a maximum depth of about 6 feet below grade surface (bgs) in the southwestern portion of the site for installation of a foundation pile cap. <ul style="list-style-type: none"> ○ Excavated material consisted of hazardous lead-impacted soil/fill and construction and demolition (C&D) debris and was screened for visual, olfactory and instrumental evidence of impacts using a photoionization detector (PID) and Jerome® J505 mercury vapor analyzer. No evidence of impacts were observed. ○ Excavated soil/fill was live-loaded into permitted tri-axle trucks containing an interior liner and cover for disposal at the Clean Earth of North Jersey (CENJ) facility, located in Kearny, NJ. ○ C&D debris, consisting of wood, concrete, and metal, was segregated and temporarily containerized into a roll-off container for future segregation and off-site disposal at a permitted facility. • CCJV covered exposed soil/fill, roll-off containers and the dewatering tank with polyethylene sheeting during periods of inactivity and at the conclusion of site activities. • Paul Pancini of the NYSDEC Police was on site in response to a community complaint. A site walk was completed with Mr. Pancini and no adverse conditions were noted. 		
<p>Cc:</p>	<p>M. Raygorodetsky, P. McMahon, M. Au</p>	<p>By: Lauren Roper, Brian Kenneally</p> <p>LANGAN</p>

SITE OBSERVATION REPORT

Material Tracking

- No material was imported to the site.
- CCJV exported 5 truckloads of hazardous lead-impacted soil/fill from the southwestern portion of the site to the CENJ facility, located in Kearny, NJ.

Material Import Summary		
Facility Name	Stone Industries, Inc.	
Location	Haledon, NJ	
Type of Material	2.5-inch Virgin Stone	
Quantities	No. of Loads	Approx. Volume (Tons)
Today	0	0
Total	1	22.79

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 Soil	
Quantities	No. of Loads	Approx. Volume (CY)	No. of Loads	Approx. Volume (CY)
Today	0	0	5	100
Total	1	5	5	100

Sampling

- No samples were collected.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lauren Roper, Brian Kenneally
			LANGAN

SITE OBSERVATION REPORT

CAMP Activities

Langan performed air monitoring at the perimeter of the site at six locations for particulate matter less than 10 microns in diameter (PM10), volatile organic compounds (VOCs), and mercury vapor, during ground-intrusive activities. Fifteen-minute 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. Prior to implementation of ground-intrusive work, 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 0.08 $\mu\text{g}/\text{m}^3$.
- Background concentration of VOCs at each CAMP station were recorded at 0.1 parts per million (ppm).

Daily Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.012	0.2	0.1
PM-2	0.013	0.2	0.0
PM-3	0.007	0.1	0.0
PM-4	0.008	0.1	0.0
PM-5	0.017	0.0	0.0
PM-6	0.018	0.0	0.0

Maximum 15-Minute-Average Concentrations

Station ID	Particulate (mg/m^3)	Organic Vapor (ppm)	Mercury Vapor ($\mu\text{g}/\text{m}^3$)
PM-1	0.025	2.2	0.4
PM-2	0.023	1.0	0.1
PM-3	0.019	2.3	0.1
PM-4	0.014	1.1	0.5
PM-5	0.024	0.2	0.2
PM-6	0.023	0.0	0.0

● mg/m^3 = milligrams per cubic meter ● ppm = parts per million ● $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

- A spare handheld Jerome® J505 mercury analyzer was used at perimeter station PM-3 from 6:57am to 11:40am due to a damaged data cable during CAMP deployment. An additional dedicated field personnel was stationed with the J505. Mercury vapor data obtained from the spare Jerome® J505 was included in the Daily Air Monitoring Report and is reflected in the table above.
- 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 $\mu\text{g}/\text{m}^3$ to 0.13 $\mu\text{g}/\text{m}^3$.
- Langan used a handheld 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.
- Work was halted temporarily to perform equipment maintenance on the CAMP stations for time frames up to 25 minutes at a time. During maintenance at each station, concentrations of PM10, VOCs, and mercury vapor were intermittently not transmitted through the telemetry system. The mercury vapor and VOC data from these intermittent gaps were manually downloaded from each unit and are reflected in the Daily Air Monitoring Report and the table above.

Cc: M. Raygorodetsky, P. McMahon, M. Au

By: Lauren Roper, Brian Kenneally

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SITE OBSERVATION REPORT

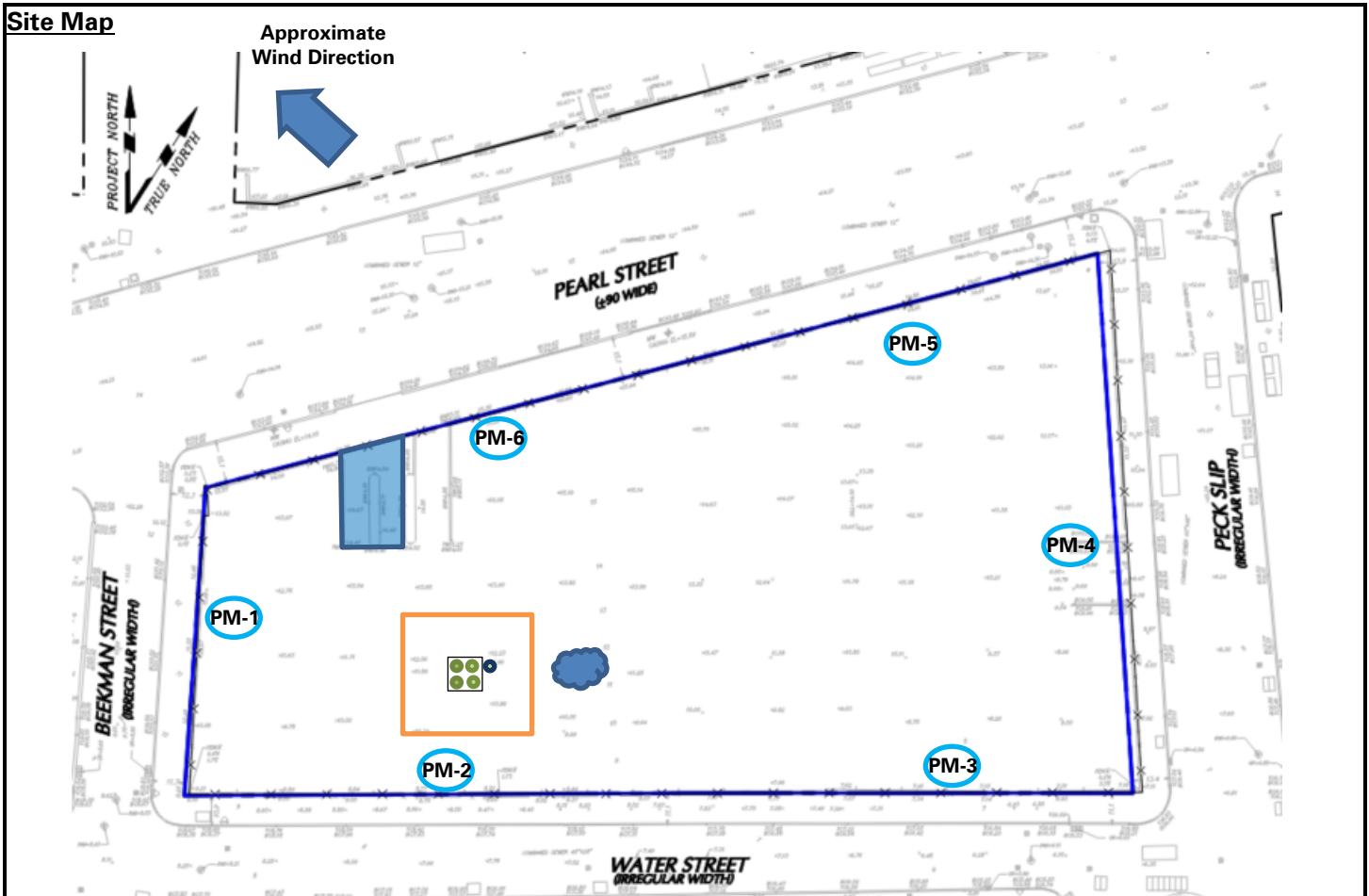
- Perimeter CAMP stations were brought offline, one at a time, to perform the maintenance and the proximity of each station was screened by the dedicated CAMP monitor using a handheld Jerome® J505 mercury vapor analyzer and a handheld PID.
 - Instantaneous concentrations of mercury vapor detected with the Jerome® J505 unit ranged from 0.00 $\mu\text{g}/\text{m}^3$ to 0.10 $\mu\text{g}/\text{m}^3$ across all perimeter CAMP stations.
 - Instantaneous VOC concentrations detected with the handheld PID were recorded at 0.0 ppm across all perimeter CAMP stations.
- Fugitive dust and odors were not observed migrating from the site at any time 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 4:38pm at the conclusion of ground-intrusive activities.
 - Mercury vapor concentrations at each CAMP station was recorded at 0.00 $\mu\text{g}/\text{m}^3$.
 - VOC concentrations at each CAMP station were recorded at 0.0 ppm.

Anticipated Activities

- CCJV will begin vibrating steel sheet piles for support-of-excavation in the southwestern portion of the site.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lauren Roper, Brian Kenneally
			LANGAN

SITE OBSERVATION REPORT



Legend:

- PM-1 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 Dewatering Well
- Approximate location of C&D Container

Notes:

1) Locations of air monitoring stations are approximate.

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lauren Roper, Brian Kenneally
			LANGAN

SITE OBSERVATION REPORT

Select Site Photographs:



Photo 1: View of CCJV live-loading a permitted, tri-axle truck with hazardous lead-impacted soil/fill for off-site disposal (facing northwest)



Photo 2: View of the covered excavation area at the end of the work day (facing south)

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lauren Roper, Brian Kenneally
		LANGAN	

SITE OBSERVATION REPORT



Photo 3: View of CCJV washing a truck prior to exiting the site (facing east).



Photo 4: View of Langan screening exposed soil/fill using a Jerome® J505 mercury vapor analyzer and a PID (facing south).

Cc:	M. Raygorodetsky, P. McMahon, M. Au	By:	Lauren Roper, Brian Kenneally LANGAN
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