

# LANGAN SITE OBSERVATION REPORT – Week of September 13, 2021

<b>CLIENT:</b> 473 President LLC	<b>DATES:</b> Monday, September 13, 2021 to Friday, September 17, 2021
<b>PROJECT No.:</b> 170361303	<b>BCP SITE ID:</b> C224080
<b>PROJECT:</b> President Street Properties	
<b>LOCATION:</b> 469 President Street and 532 Union Street, Brooklyn, New York	
<b>EQUIPMENT:</b> DK-50 Track-Mounted Drilling Rig MiniRAE 3000 Photoionization Detector TSI DustTrak II	<b>PRESENT AT SITE:</b> <b>Langan:</b> Tyler Goodnough, Andrew Nesci, Caroline Devin <b>Pillori Associates, P.A.:</b> Sebastian Leon <b>Warren George, Inc. (WGI)</b>

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

Langan was on-site to document a development-related geotechnical subsurface investigation to comply with the New York State Department of Environmental Conservation (NYSDEC)-approved February 24, 2021 Remedial Action Work Plan (RAWP).

### Site Activities

- WGI continued advancing geotechnical borings as part of a geotechnical subsurface investigation. WGI advanced one boring, B-15, inside the vacant 532 Union Street building using a track-mounted drilling rig to 87 feet below grade (bgs) and one boring, B-17, inside the vacant 469 President Street building to 77 feet bgs.

### CAMP Summary

- Langan performed continuous air monitoring on the site perimeter for volatile organic compounds (VOCs) and particulate matter smaller than 10 microns in diameter (PM10). One air monitoring station was located inside of the garage door at the southern end of the buildings.

The recorded air monitoring data in parts per million (ppm) for VOC concentrations and micrograms per cubic meter (mg/m<sup>3</sup>) for PM10 concentrations is summarized on the following table:

Date	Minimum 15-Minute Average VOC concentration (ppm)	Maximum 15-Minute Average VOC concentration (ppm)	Minimum 15-Minute Average PM10 concentration (mg/m <sup>3</sup> )	Maximum 15-Minute Average PM10 concentration (mg/m <sup>3</sup> )
9/13/2021	0.3	0.3	-	-
9/14/2021	0.0	0.2	0.025	0.037
9/15/2021	0.1	0.7	0.002	0.013
9/16/2021	0.0	0.1	0.007	0.011
9/17/2021	0.1	1.1	0.002	0.129

- PM10 concentrations were not recorded on September 13, 2021 due to an equipment malfunction.
- Elevated PM10 concentrations on September 17, 2021 are attributed to the drilling rig exhaust fumes during advancement of boring B-17. The borings were advanced using mud rotary drilling, a drilling method that saturates recovered soil samples with drilling fluid (i.e., water and bentonite mixture). No visible dust was observed.

<b>Cc:</b> P. McMahon, M. Burke, V. De Paula	<b>By:</b> Tyler Goodnough/Brad Koontz
	<b>Langan, D.P.C.</b>

**Anticipated Activities**

- WGI will continue advancing geotechnical borings.

Cc:	P. McMahon, M. Burke, V. De Paula	By:	Tyler Goodnough/Brad Koontz <b>Langan, D.P.C.</b>
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**Site Photographs:**



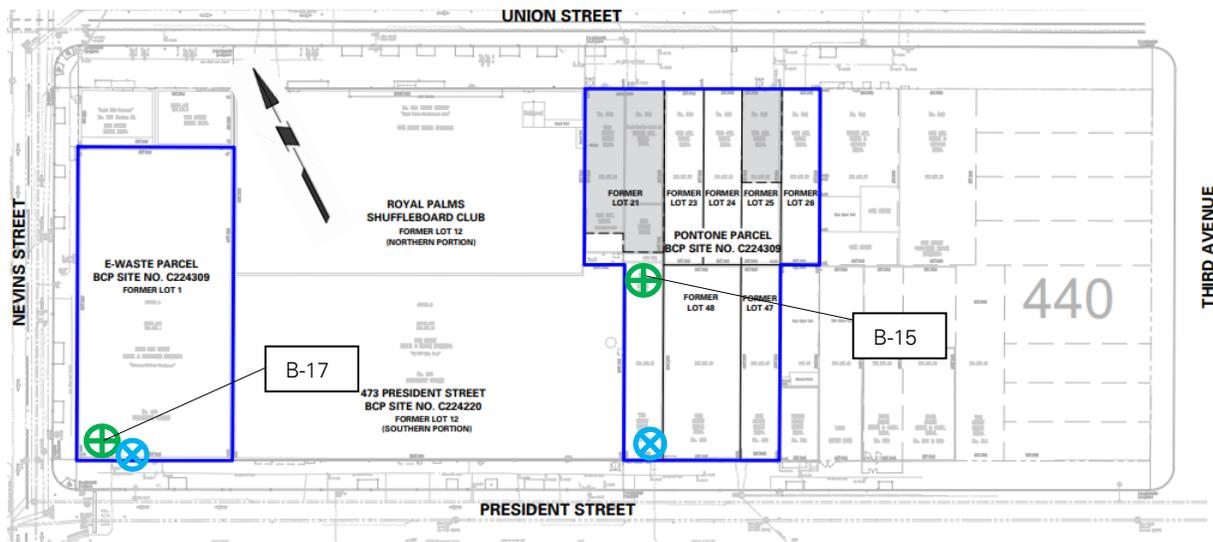
**Photo 1:** Boring B-15 (facing south)



**Photo 2:** Air monitoring station (facing north)

Cc:	P. McMahon, M. Burke, V. De Paula	By:	Tyler Goodnough/Brad Koontz <b>Langan, D.P.C.</b>
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### Site Map



#### Legend

- Work Area
- ⊗ Air Monitoring Station
- ⊕ Geotechnical Boring

#### Notes

1. Base map adapted from 18 December 2019 RAWP Figure 2 – Site Layout Plan.

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