

LANGAN

SITE OBSERVATION REPORT – Week of September 7, 2021

CLIENT: 473 President LLC	DATES: Tuesday, September 7, 2021 to Friday, September 10, 2021
PROJECT No.: 170361303	BCP SITE ID: C224080
PROJECT: President Street Properties	
LOCATION: 469 President Street and 532 Union Street, Brooklyn, New York	
EQUIPMENT: DK-50 Track-Mounted Drilling Rig MiniRAE 3000 Photoionization Detector TSI DustTrak II	PRESENT AT SITE: Langan: Tyler Goodnough Pillori Associates, P.A.: Sebastian Leon Warren George, Inc. (WGI)

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 mobilized a track-mounted drilling rig and began advancing geotechnical borings as part of a geotechnical subsurface investigation. WGI advanced two borings, B-13 and B-14, inside the vacant 532 Union Street to 77 and 102 feet below grade, respectively.

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 positioned inside of the open garage door at the southern side of the site.

The recorded air monitoring data in parts per million (ppm) for VOC concentrations and micrograms per cubic meter (mg/m³) 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 ³)	Maximum 15-Minute Average PM10 concentration (mg/m ³)
9/7/2021	0.2	0.3	0.015	0.362
9/8/2021	0.0	0.9	0.067	0.535
9/9/2021	0.0	0.2	0.018	0.034
9/10/2021	0.0	0.1	0.007	0.011

- Elevated PM10 concentrations on September 7 and 8, 2021 are attributed to the drilling rig exhaust fumes during advancement of boring B-13. 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.

Anticipated Activities

- WGI will continue advancing geotechnical borings.

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

Site Photographs:



Photo 1: Boring B-13 (facing west)



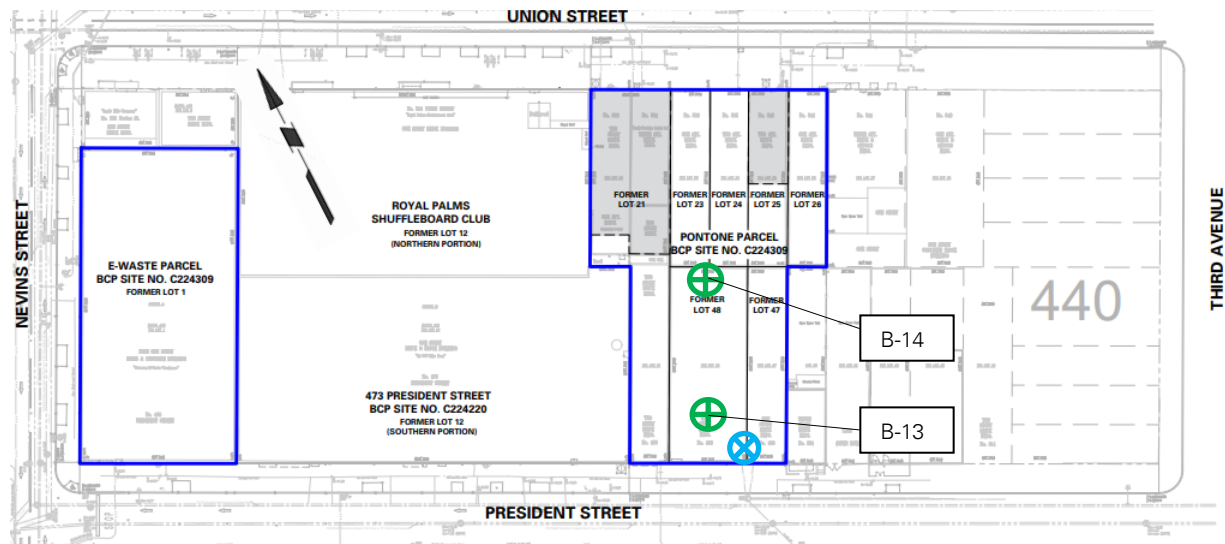
Photo 2: Air monitoring station (facing east)

Cc: P. McMahon, M. Burke, V. De Paula

By: Tyler Goodnough/Brad Koontz

Langan, D.P.C.

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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