SITE OBSERVATION REPORT – ISGS Monitoring Well Installation – Day 2

LANGAN

PROJECT No.:	170390001	**CLIENT:**	**DATE:**	Monday, 30 September 2024
PROJECT:	141 3rd Street	Third Street Owner LLC and 155 Third St., LLC	**WEATHER:**	Cloudy, 62-69 ^{0}F Wind: NE @ 7-16 mph
LOCATION:	Brooklyn, New York		**TIME:**	6:45 a.m. – 1:15 p.m.
BCP SITE ID:	C224336		**MONITOR:**	Aron Farber

EQUIPMENT: Geoprobe 8150LS Sonic Drill Rig Hand Tools	**PRESENT AT SITE:** **Langan**: Aron Farber **AARCO:** Jose Garcia, Selvin Pineda **Monadnock**: John Henry

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved In-Situ Geochemical Stabilization Pilot Test Work Plan dated 9 September 2024.

Site Activities

- AARCO used a Geoprobe 8150LS Sonic Drill Rig to advance a soil boring at PTMW01 to 34 feet below grade surface (bgs). Langan documented the work and screened the recovered soil continuously for evidence of environmental impacts (e.g., grossly contaminated material [GCM]/non-aqueous phase liquid [NAPL]) using visual and olfactory methods and with a calibrated photoionization detector (PID). Coal tar impacts (sheen on soil, and/or naphthalene-like odor) were observed between about 25 and 34 feet bgs. A maximum PID reading of 178.8 ppm was recorded at 32.5 feet bgs.
- AARCO used a Geoprobe 8150LS Sonic Drill Rig to install monitoring well PTMW01 in the southeastern part of the site. The well was advanced to a depth of about 34 feet bgs, with a five foot sump from 34 to 29 feet bgs, and a PVC screen from about 29 to 24 feet bgs. The borehole annulus was backfilled with No. 2 Sand to about 22 feet bgs, followed by 20 feet of bentonite and sealed to grade with grout.
- Following installation of PTMW01, AARCO developed the well until the purged groundwater appeared clear.
- Soil cuttings and purged groundwater were containerized in appropriately-labeled, 55-gallon drums for future off-site disposal.

Sampling

- None

Community Air Monitoring Plan (CAMP) Activities

- Langan conducted real-time air monitoring for volatile organic compounds (VOC) and particulate matter smaller than 10 microns in diameter (PM10) at upwind and downwind perimeters of the work area during ground-intrusive activities. The 15-minute time-weighted average (TWA) action levels for VOCs and PM10 were not exceeded during the monitoring period.

Anticipated Activities

- Langan will return to gauge monitoring well PTMW01.

SITE PHOTOGRAPHS:

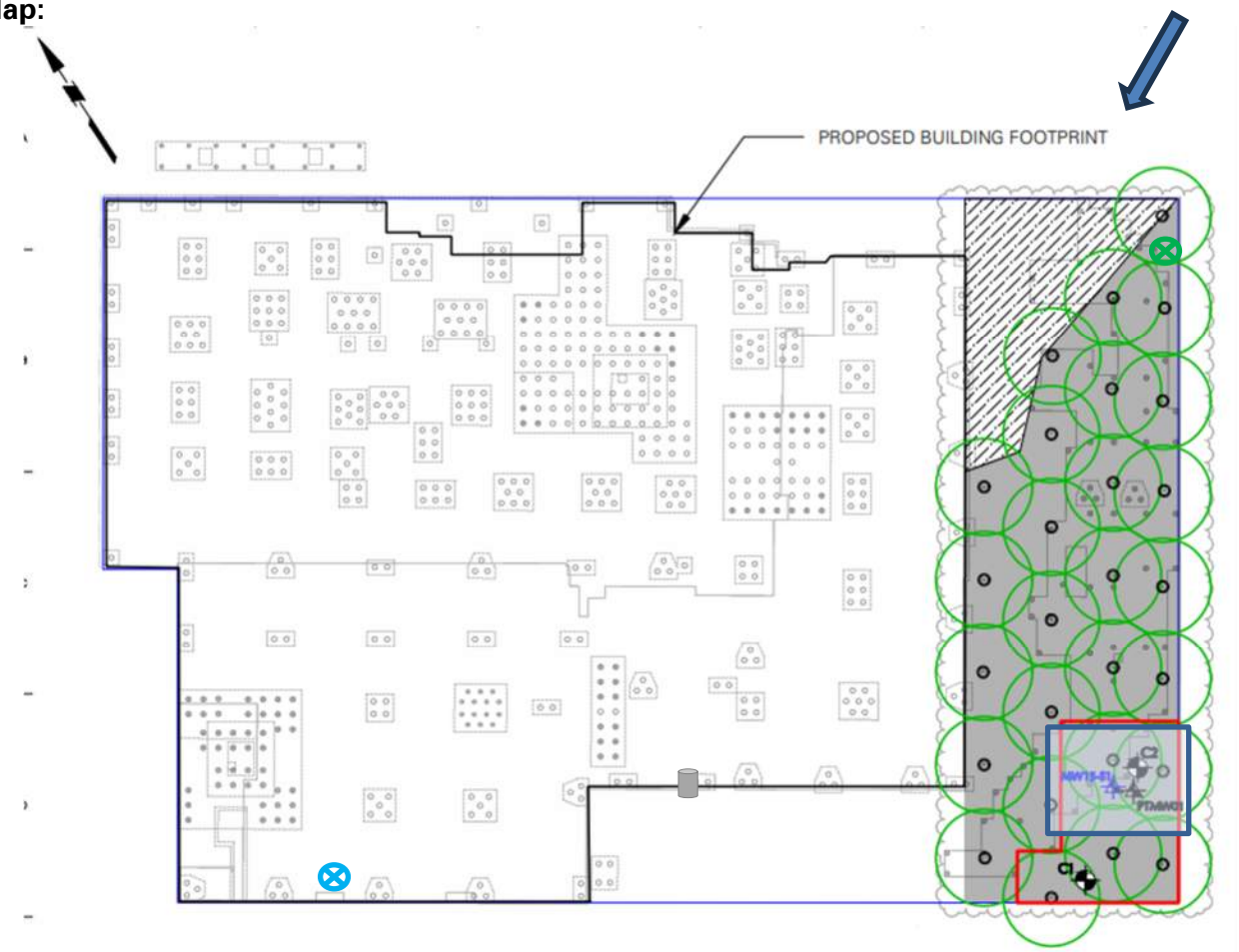


Photo 1: View of AARCO advancing PTMW01 (facing southwest)



Photo 2: View of PTMW01 in its completed state

Site Map:



LEGEND:

- APPROXIMATE SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- APPROXIMATE PROPOSED EXTENT OF ISGS AREA BETWEEN EL. -19± TO EL. -23±
- APPROXIMATE PROPOSED EXTENT OF ISGS SUPPORT/LAYDOWN AREA
- APPROXIMATE PROPOSED TEMPORARY DIRECT-PUSH INJECTION POINT LOCATION
- APPROXIMATE ROI (13-FOOT RADIUS, 25-FOOT SPACING)
- C1 APPROXIMATE PROPOSED PILOT TEST QA/QC CORE LOCATION
- APPROXIMATE ISGS PILOT TEST AREA
- MW15-S1 EXISTING MONITORING WELL LOCATION
- PTWM01 PROPOSED MONITORING WELL LOCATION

COMPLETED WORK KEY

- Approximate Work Area
- Approximate location of upwind CAMP Station
- Approximate location of downwind CAMP Station
- Approximate wind Direction

Base map prepared by Dattner Architects, dated 3/12/2024

LANGAN

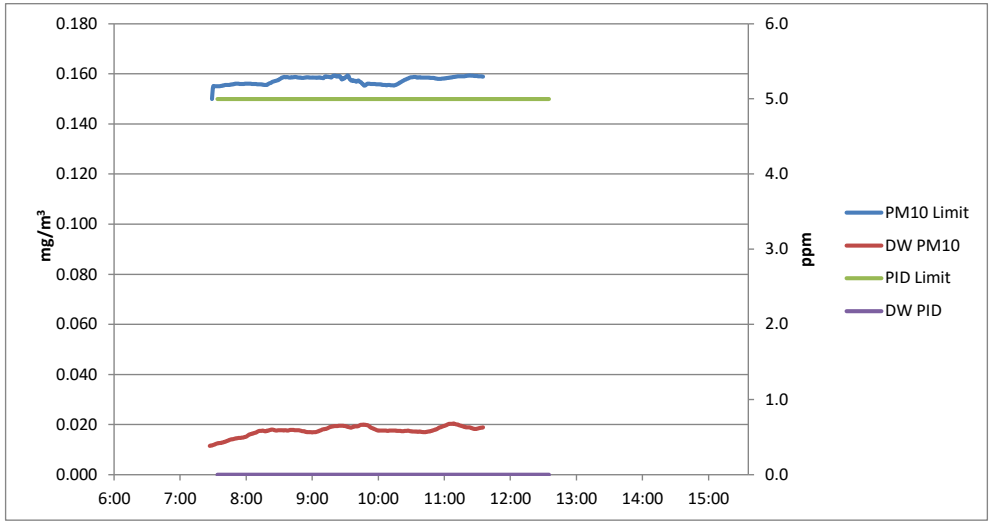
141 3rd Street
170390001
CAMP Data Summary

Date: 9/30/2024
Start: 7:13
End: 12:35
Observer: Aron Farber

UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Daily Average	0.007	0.018
Minimum 15min Average	0.005	0.012
Maximum 15min Average	0.009	0.020
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.001	0.000
Maximum 1min Reading	0.015	0.023

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.0	0.0
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.0
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.0	0.0

NA - Not applicable, upwind unit used for background concentrations
All reported units are ppm or parts per million unless specified otherwise