DAILY FIELD REPORT

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Sunny	X
TEMP.	< 32		32-50	X	50-70	X	70-85		>85	

BCP Project No:	C241173	**Date:**	February 10 to 11, 2022
Project Name:	ABC Block 25 – SRI No.5		

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Subcontractor: AARCO Environmental Services Corp. (AARCO)

Langan Field Personnel:
Alex Nolan
Andrew Nesci

Work Activities Performed:

Langan implemented Supplemental Remedial Investigation (SRI) No. 5 in accordance with the February 08, 2022 Supplemental Remedial Investigation Work Plan (SRIWP) No. 5.

- AARCO used hand tools to install one permanent soil vapor point (SV03) and three permanent sub-slab vapor points SSV05, SSV06, and SSV10.
    - SV03 was installed to a depth of about 4 feet below grade surface (bgs) using a 6-inch stainless steel implant and teflon lined tubing, the annulus around the soil vapor implant and tubing was filled with No. 2 clean sand from about 4 feet bgs to about 1 feet bgs followed by a hydrated bentonite seal to 0.5 feet bgs. The soil vapor point was finished with a flushed-mounted removable access cover. The soil vapor sample was collected over a duration of 8 hours into a batch-certified 2.7-liter SUMMA® canisters and analyzed for by United States environmental Protection Agency (USEPA) Method TO-15 for volatile organic chemicals (VOC).
    - SSV05 was installed to a depth of about 1 foot below bgs (about 6 inches below base of slab) using a 6-inch stainless steel implant and Teflon-lined tubing, the annulus around the soil vapor implant was filled with No. 2 clean sand followed by a hydrated bentonite seal. The soil vapor point was finished with a flushed-mounted removable access cover. A sub-slab soil vapor sample and co-located indoor air sample were collected over a duration of 8 hours into batch-certified 2.7-liter SUMMA® canisters and analyzed for by USEPA Method TO-15 for VOCs.
    - SSV06 was installed to a depth of about 1 foot bgs (about 6 inches below base of slab) using a 6-inch stainless steel implant and Teflon-lined tubing, the annulus around the soil vapor implant was filled with No. 2 clean sand followed by a hydrated bentonite seal. The soil vapor point was finished with a flushed-mounted removable access cover. A sub-slab soil vapor sample and co-located indoor air sample were collected over a duration of 8 hours into batch-certified 2.7-liter SUMMA® canisters and analyzed for by USEPA Method TO-15 for VOCs.
    - SSV10 was installed to a depth of about 1 foot bgs (about 6 inches below base of slab) using a 6-inch stainless steel implant and Teflon-lined tubing, the annulus around the soil vapor implant was filled with No. 2 clean sand followed by a hydrated bentonite seal. The soil vapor point was finished with a flushed-mounted removable access cover. A sub-slab soil vapor sample and co-located indoor air sample were collected over a duration of 8 hours into batch-certified 2.7-liter SUMMA® canisters and analyzed for by USEPA Method TO-15 for VOCs.
- One ambient air sample (AA01) was placed at a height of about 3 feet above the ground surface. The ambient air sample was collected over a duration of 8 hours into batch-certified 2.7-liter SUMMA® canisters and analyzed by USEPA Method TO-15 for VOCs.
- Prior to collecting samples, a pre-sampling inspection was conducted to document potential interferences that may impact the sample results. The following items with the potential to impact indoor air quality were catalogued during the pre-sampling inspection: glass cleaner, hand sanitizer, paint, sanitizing spray, and spray paint.

Samples Collected:

- The following samples were collected and submitted for laboratory analysis of VOCs by USEPA Method TO-15.
    - C241173_SV03_021122
    - C241173_SSV05_021122
    - C241173_SSV06_021122
    - C241173_SSV10_021122
    - C241173_IA05_021122
    - C241173_IA06_021122
    - C241173_IA10_021122
    - C241173_AA01_021122
    - C241173_SSVDUP01_021122 (Parent: C241173_SSV10_021122)

Material Tracking:

- N/A

Planned Activities:

None. Langan completed SRI No. 5

Site Plan

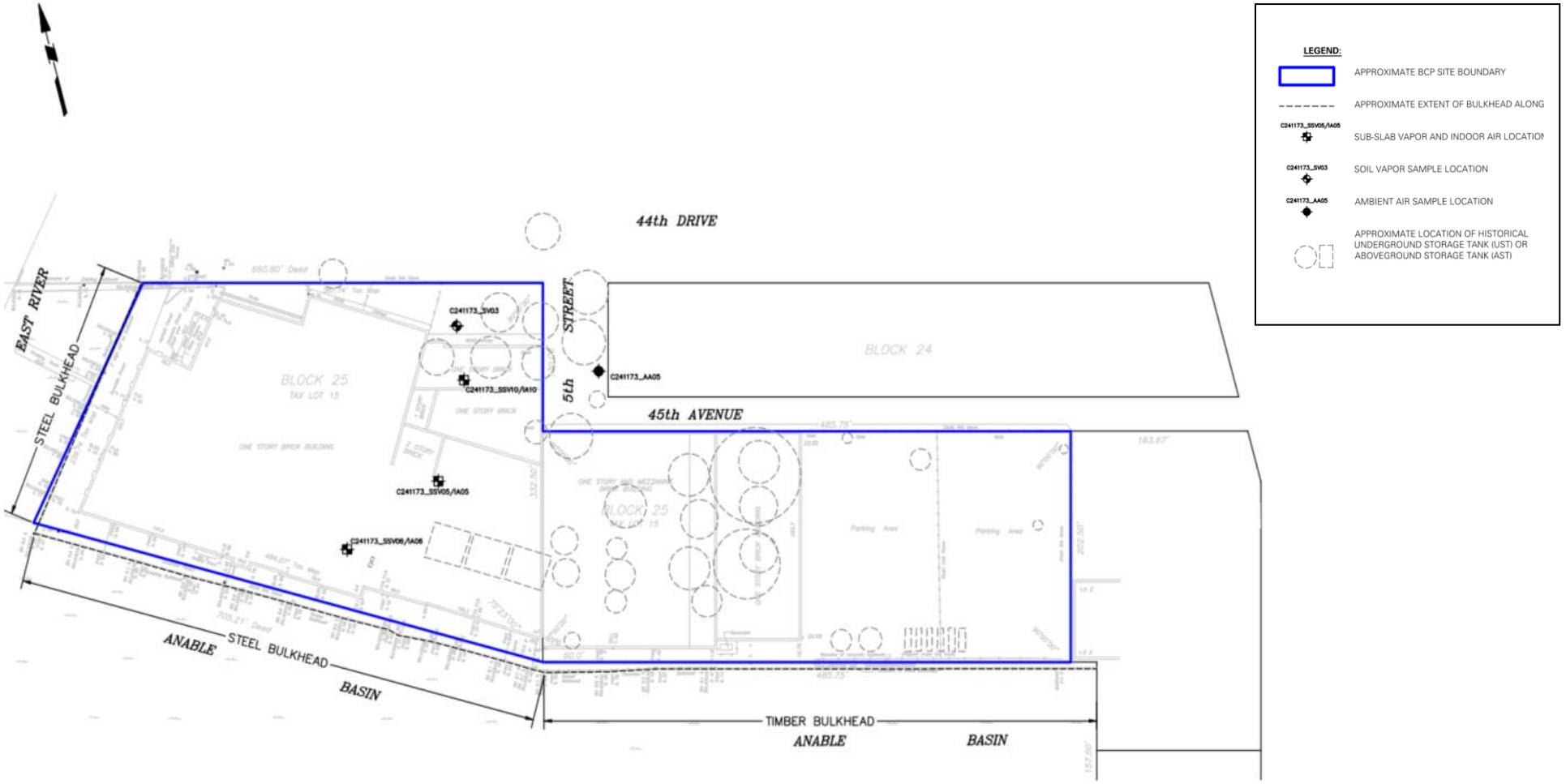

LEGEND:
APPROXIMATE BCP SITE BOUNDARY
APPROXIMATE EXTENT OF BULKHEAD ALONG
C241173_SSV05/IA05
SUB-SLAB VAPOR AND INDOOR AIR LOCATION
C241173_SV03
SOIL VAPOR SAMPLE LOCATION
C241173_AA05
AMBIENT AIR SAMPLE LOCATION
APPROXIMATE LOCATION OF HISTORICAL UNDERGROUND STORAGE TANK (UST) OR ABOVEGROUND STORAGE TANK (AST)
44th DRIVE
EAST RIVER
STEEL BULKHEAD
BLOCK 25
TAX LOT 15
BLOCK 24
5th STREET
45th AVENUE
C241173_SV03
C241173_SSV10/IA10
C241173_AA05
C241173_SSV05/IA05
C241173_SSV06/IA06
ANABLE
STEEL BULKHEAD
BASIN
TIMBER BULKHEAD
ANABLE
BASIN

Photo Log

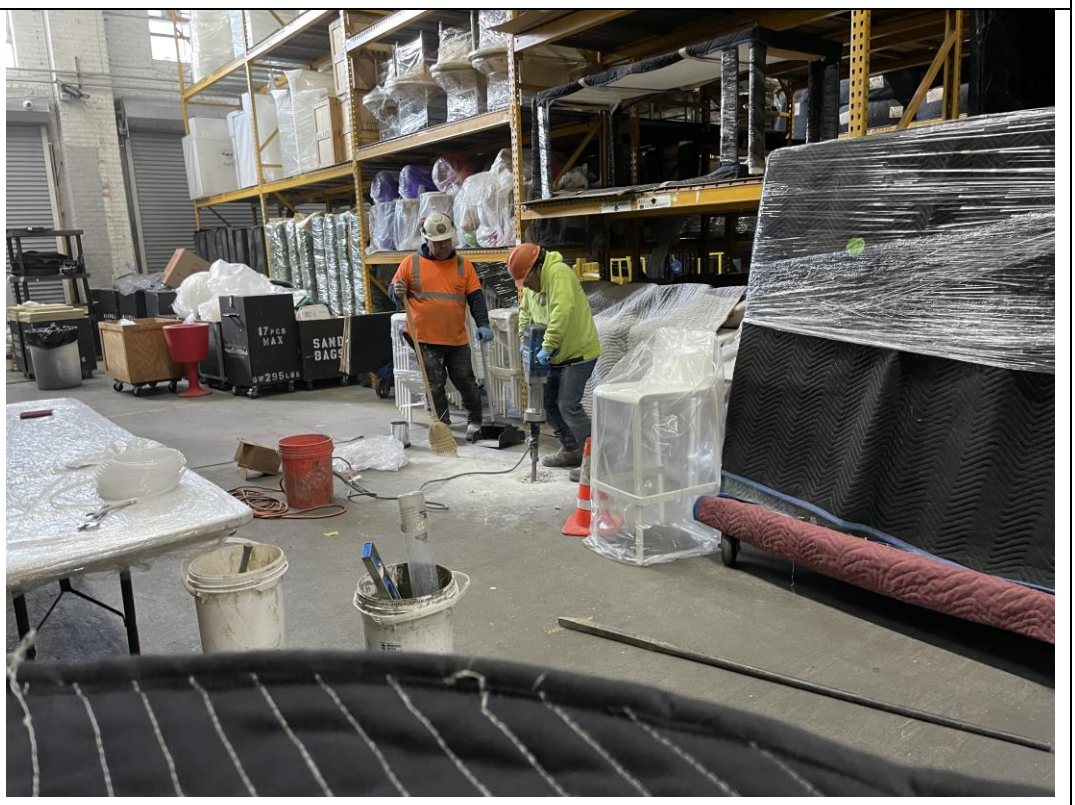
Photo 1: View of AARCO installing SV03 (facing north).	
Photo 2: View of AARCO installing SSV06 (facing north).	

Photo 3 View of helium shroud test at SV03 prior to sample collection (facing south).	
Photo 4 View of sub-slab vapor sample collection at SSV10 (facing north.)