LANGAN

DAILY STATUS REPORT

Prepared By: Alessandra Looman

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		<85	

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	04/15/2022
NYSDEC BCP Site No:	C243043			Time:	7:45 – 14:30

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** Alessandra Looman (Environmental)

Site Activities

- Langan performed an inspection of the SSDS; no issues were noted at the process equipment.
- Langan completed a round of vacuum gauging at all vapor extraction points (VEPs) and vacuum monitoring points (VMPs).
- System was left operational upon departure of the site.

Community Air Monitoring Program (CAMP)

- Langan did not implement CAMP as no soil disturbance occurred.

Problems Encountered

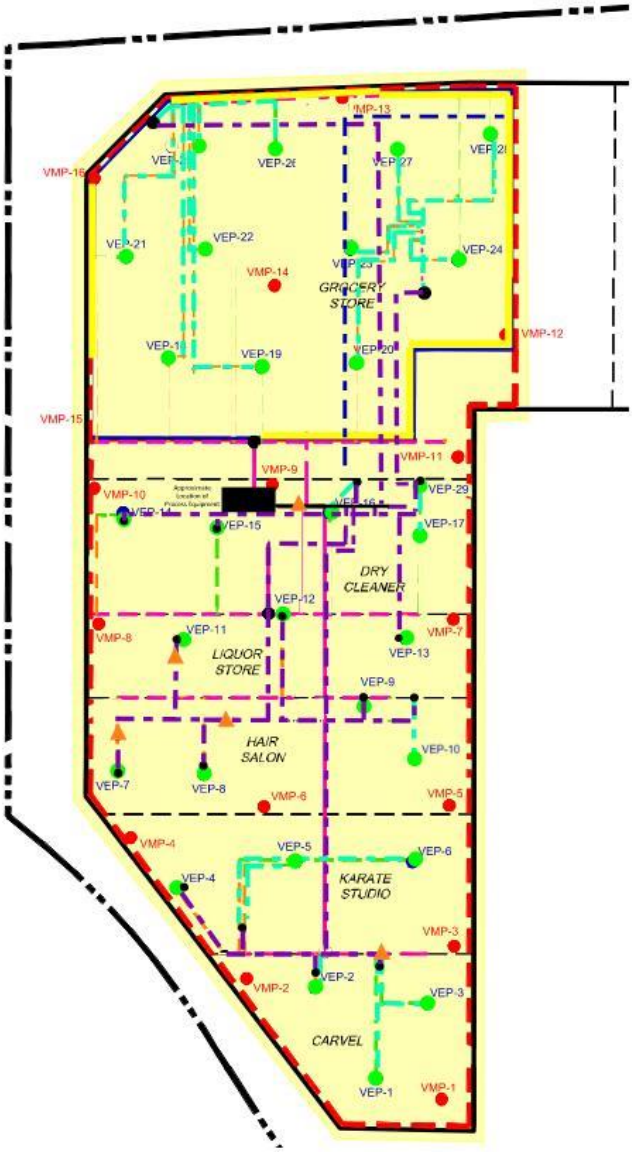
- None.

Activities Scheduled

- Langan will conduct soil vapor and indoor air sampling on Monday 18 April 2022.
- Langan will continue SSDS system optimization, including a full round of vacuum gauging at all VMPs and VEPs in approximately one month.
- Pennington will install a vacuum gauge and sample port on the VEP-7 interior well-line riser in the salon tenant space.

LANGAN

SITE MAP (SSDS OM&M)



Approximate and Not to Scale

LEGEND

- PROPERTY LINE
- EXISTING BUILDING OUTLINE
- INTERIOR WALL
- VEP-1 SSDS FULL-SCALE VEP
- VMP-1 SSDS FULL-SCALE VMP
- PROPOSED SSDS MITIGATION AREA
- APPROXIMATE BASEMENT EXTENTS
- COMPLETED VEP WELL POINT
- W WORK ZONE AIR MONITORING STATION
- WORK AREA
- EFFLUENT WATER DRAIN DRILLED
- INDIVIDUAL BELOW GRADE WELL LINE (SCH40 PVC)
- INDIVIDUAL ABOVE GROUND WELL LINE (2-INCH BLACK STEEL)
- INTERIOR SUBHEADER LINE (4-INCH BLACK STEEL)
- EXTERIOR SUBHEADER LINE (4-INCH SCH40 PVC)
- EXTERIOR MAIN HEADER LINE (6-INCH SCH40 PVC)
- ROOF PENETRATION LOCATION
- GAP SEALING COMPLETED
- COMPLETED WELL LINE
- COMPLETED SUBHEADER LINE
- ELECTRICAL CONDUITS

NOTES

1. Basemap taken from Full-Scale SSDS Manifold Layout prepared by Langan dated 25 November 2020.

2. SSDS design has been modified to incorporate additional roof penetrations, relocate all interior subheader lines to the building exterior, and minimize the amount of interior above-ground horizontal piping.

3. Proposed horizontal above-grade interior piping associated with VEP-5 and VEP-6 was redesigned to run below-grade.

4. Proposed horizontal below-grade interior piping associated with VEP-16 and VEP-17 was redesigned to run to the northern wall of the dry cleaner tenant space.

5. Interior well-line and roof penetration locations within the grocery store tenant space basement have been modified based on field conditions.

LANGAN

Photo Log

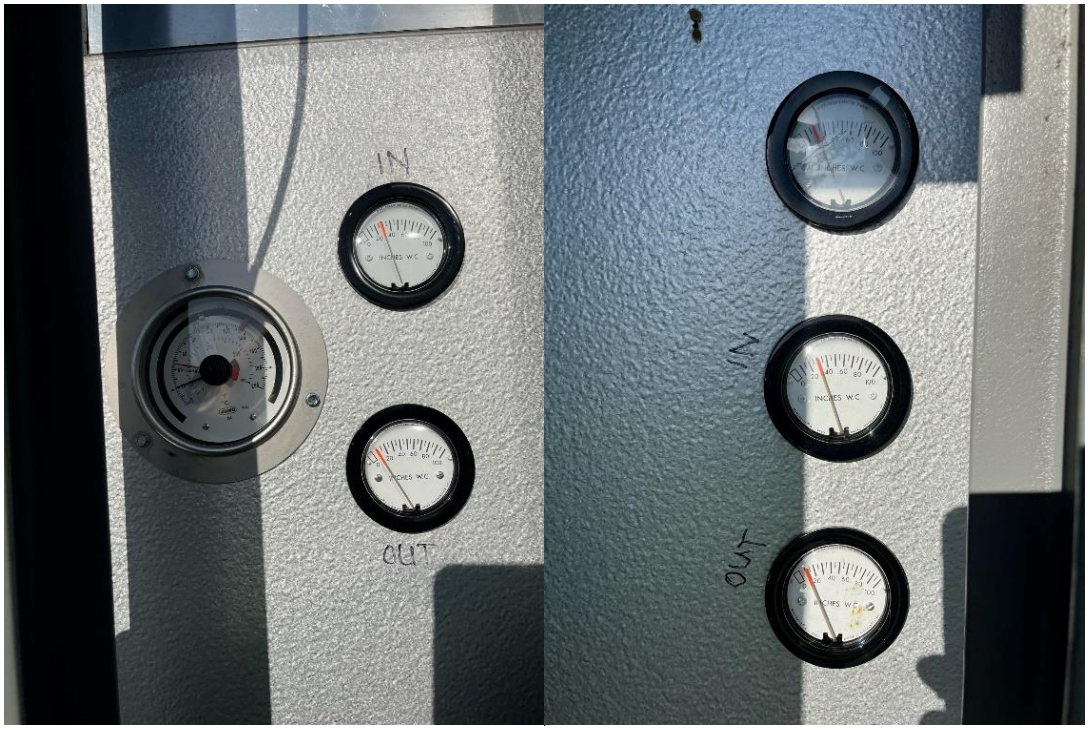
Photo 1 – View of blower vacuum parameters upon arrival, facing southwest.	
Photo 2 – View of blower VFD parameters upon arrival, facing southwest.	

Photo 3 – View of in-line filter housing conditions upon arrival, facing northwest.	
Photo 4 – View of grocery sub-header valves at approximately 75% closed upon departing the site, facing northwest (left) and facing northeast (right).	

LANGAN

DAILY STATUS REPORT

Prepared By: Alessandra Looman

WEATHER	Snow		Rain	X	Overcast	X	Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50	X	50-70	X	70-85		<85	

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	04/18/2022
NYSDEC BCP Site No:	C243043			Time:	8:00 – 21:30

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** Alessandra Looman (Environmental), Linhan Yang (Environmental)

Site Activities

- Langan conducted soil vapor and indoor air sampling in both the mitigated and unmitigated portions of the site.
    - 22 indoor air samples (plus two duplicate indoor air samples) and 11 soil vapor samples (plus one duplicate soil vapor sample) were collected from the tenant spaces.
    - One ambient air sample and one system effluent vapor sample (plus one duplicate effluent sample) was also collected.
- Pennington installed a vacuum gauge and sample port on the VEP-7 interior well-line riser in the salon tenant space.
- System was left operational upon departure of the site.

Samples Collected

- The following soil vapor samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs). The samples were submitted to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts.

SV01_041822	SV02_041822	SV03_041822	SV04_041822	SV05_041822
SV06_041822	SV07_041822	SV08_041822	SV09_041822	SV10_041822
SV11_041822	SVDUP01_041822			

- The following indoor air samples were collected and submitted to the laboratory to be analyzed for VOCs. The samples were submitted to Alpha Analytical.

IA01_041822	IA02_041822	IA03_041822	IA04_041822	IA05_041822
IA06_041822	IA07_041822	IA08_041822	IA09_041822	IA10_041822
IA11_041822	IA12_041822	IA13_041822	IA14_041822	IA15_041822
IA16_041822	IA17_041822	IA18_041822	IA19_041822	IA20_041822
IA21_041822	IA22_041822	IADUP01_041822	IADUP02_041822	

- The following SSDS effluent vapor samples were collected and submitted to the laboratory to be analyzed for VOCs. The samples were submitted to Alpha Analytical.

SVE01_OUT_041822	SVEDUP01_OUT_041822

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** Alessandra Looman (Environmental), Linhan Yang (Environmental)

- The following ambient air sample was collected and submitted to the laboratory to be analyzed for VOCs. The sample was submitted to Alpha Analytical.

  AA01_041822

Community Air Monitoring Program (CAMP)

- Langan did not implement CAMP as no soil disturbance occurred.

Problems Encountered

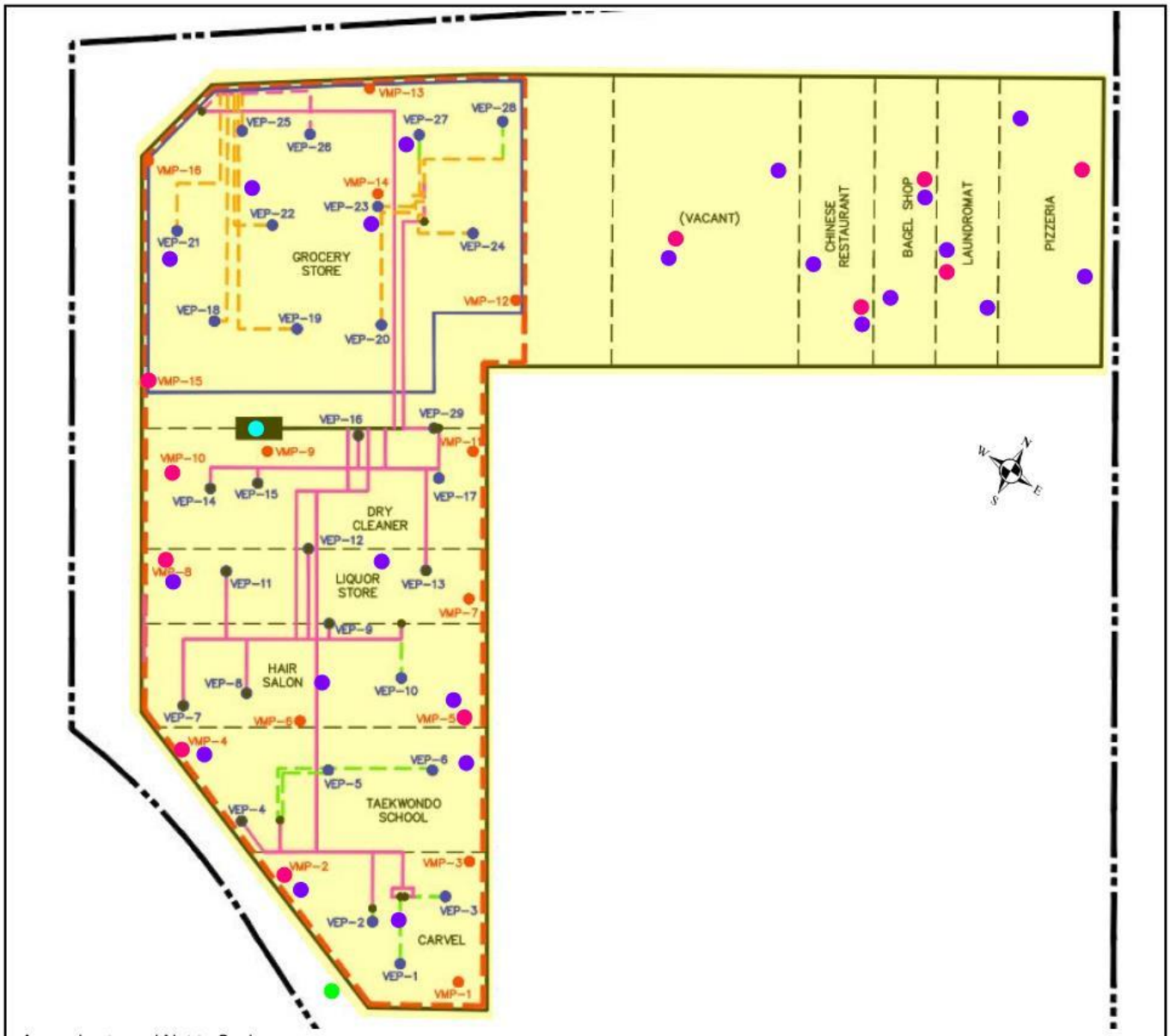
- None.

Activities Scheduled

- Langan will continue SSDS optimization, including a full round of vacuum gauging at all VMPs and VEPs in approximately one month.

LANGAN

SITE MAP (SSDS)



Approximate and Not to Scale

LEGEND

- PROPERTY LINE
- EXISTING BUILDING OUTLINE
- INTERIOR WALL
- VEP-1 SSDS FULL-SCALE VEP
- VMP-1 SSDS FULL-SCALE VMP
- PROPOSED SSDS MITIGATION AREA
- APPROXIMATE BASEMENT EXTENTS
- WORK AREA
- SOIL VAPOR SAMPLE LOCATION 4/18/22
- INDOOR AIR SAMPLE LOCATION 4/18/22
- AMBIENT AIR SAMPLE LOCATION 4/18/22
- SOIL VAPOR EFFLUENT SAMPLE LOCATION 4/18/22
- INDIVIDUAL BELOW GRADE WELL LINE (SCH40 PVC)
- INDIVIDUAL ABOVE GROUND WELL LINE (2-INCH BLACK STEEL)
- INTERIOR SUBHEADER LINE (4-INCH BLACK STEEL)
- EXTERIOR SUBHEADER LINE (4-INCH SCH40 PVC)
- EXTERIOR MAIN HEADER LINE (6-INCH SCH40 PVC)
- ROOF PENETRATION LOCATION

NOTES

1. Basemap taken from As-Built SSDS Well Manifold Layout prepared by Langan dated 12 April 2022.

2. SSDS design has been modified to incorporate additional roof penetrations, relocate all interior subheader lines to the building exterior, and minimize the amount of interior above-ground horizontal piping.

3. Proposed horizontal above-grade interior piping associated with VEP-5 and VEP-6 was redesigned to run below-grade.

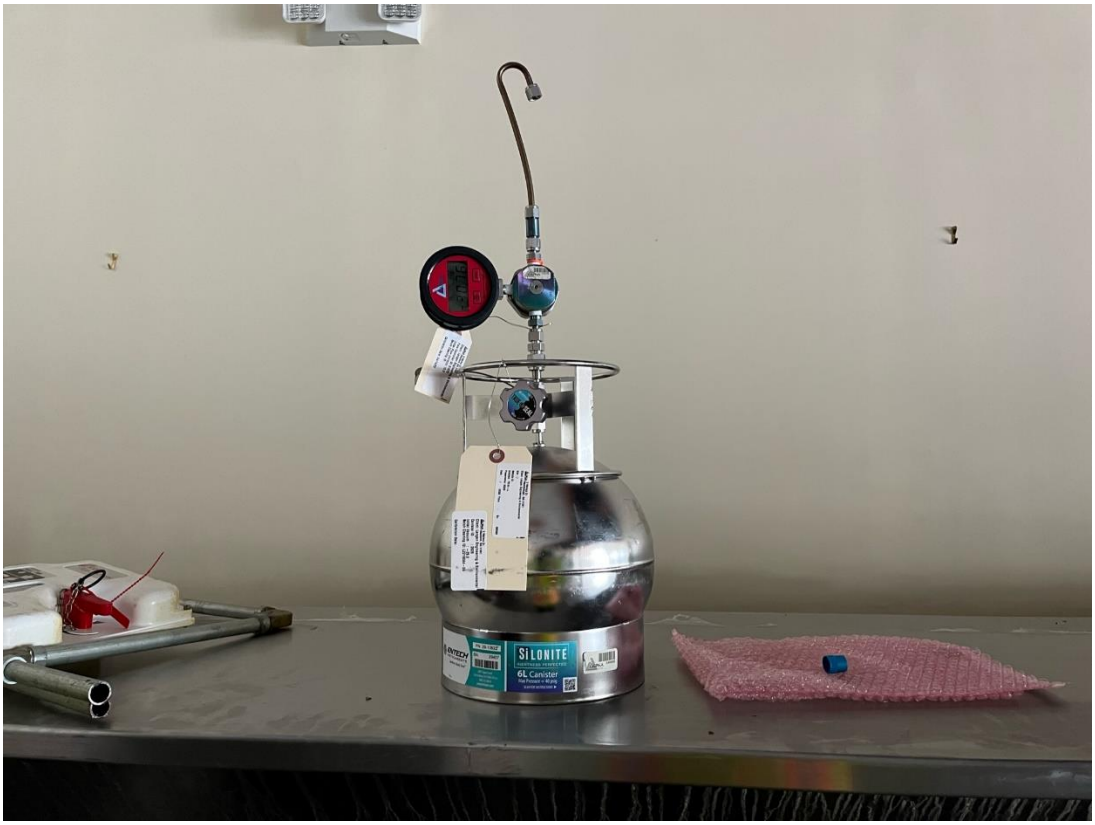
4. Proposed horizontal below-grade interior piping associated with VEP-16 and VEP-17 was redesigned to run to the northern wall of the dry cleaner tenant space.

5. Interior well-line and roof penetration locations within the grocery store tenant space basement have been modified based on field conditions.

LANGAN

Photo Log

Photo 1 – View of Langan installing a temporary sub-slab soil vapor sampling point within the bagel shop tenant space, facing north.	
Photo 2 – View of Langan preparing the shroud for helium leak detection tracer test, facing northwest.	

Photo 3 – View of one indoor air sampling location, facing north.	
Photo 4 – View of the SSDS effluent vapor sample within process equipment enclosure, facing northwest.