DAILY FIELD REPORT 027

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	August 16, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 3:45 pm

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

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)

Langan Field Personnel:
Yaskira Mota
Tyler Goodnough

Work Activities Performed:

- STNY excavated an about 18-foot-long by 18-foot-wide area to about 7 feet below grade surface (bgs) in the southern part of the site to excavate the LB18 hotspot. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was live loaded into trucks for off-site disposal to the Clean Earth of North Jersey facility (CENJ) located in Kearney, New Jersey.
- STNY excavated an about 59-foot-long by 40-foot-wide area to 2 feet bgs in waste characterization grids COMP A (0-5) and COMP B (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1 or live loaded into into trucks for off-site disposal to the Clean Earth of Bethlehem facility (CEPA) located in Bethlehem, Pennsylvania.
- STNY excavated an about 60-foot-long by 32-foot-wide area to 2 feet bgs in waste characterization grid COMP G (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1 or live loaded into into trucks for off-site disposal to CEPA located in Bethlehem, Pennsylvania.
- STNY excavated an about 60-foot-long by 50-foot-wide area to 2 feet bgs in waste characterization grid COMP J South (0-2) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1 or live loaded into into trucks for off-site disposal to CEPA located in Bethlehem, Pennsylvania.
- STNY excavated an about 60-foot-long by 52-foot-wide area to 2 feet bgs in waste characterization grid COMP J North (0-2) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1.
- STNY relocated soil stockpile COMP G (0-5) from waste characterization grid COMP G and combined it with Soil Stockpile 1, located in waste characterization grid COMP D.

Material Tracking:

- The following soil/fill was exported from the site:
  - Three loads of hazardous lead-impacted soil (LB18) were transported to the Clean Earth of North Jersey facility (CENJ) located in Kearny, New Jersey.
  - 41 loads of soil were transported to the Clean Earth of Bethlehem facility (CEPA) located in Bethlehem, Pennsylvania.
- The following materials were imported to the site:
  - STNY imported 4 loads of 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry. The stone was stockpiled in waste characterization grid COMP A.

Samples Collected:

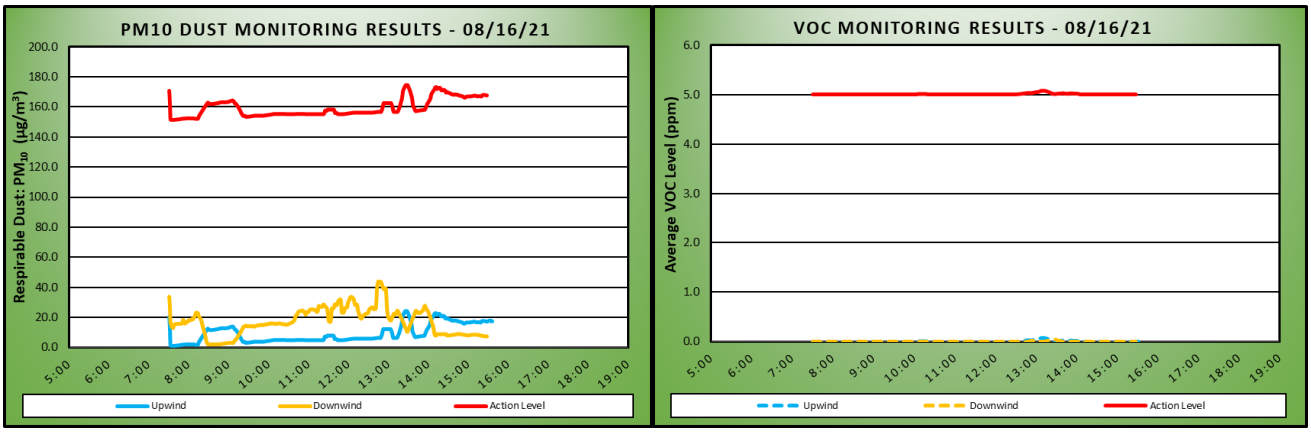
- Langan collected five hotspot endpoint soil samples from the LB18 hotspot excavation. The hotspot excavation soil samples were submitted to Alpha Analytical Laboratories, Inc. (Alpha) for analysis of total lead (and held for toxicity characteristic leaching procedure [TCLP] lead).
    - LB18_EPB01_7 (base sample)
    - LB18_EPSW01_N_7 (north sidewall)
    - LB18_EPSW02_E_7 (east sidewall)
    - LB18_EPSW03_S_7 (south sidewall)
    - LB18_EPSW04_W_7 (west sidewall)

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	28.2		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	9.9	17.5	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	24.4	43.7	Maximum 15-min Average	0.1	0.0
Minimum 1-min Instant Reading	1.0	2.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	173.3	173.3	Maximum 1-min Instant Reading	0.1	0.1

µg/m³-micrograms per cubic meter. ppm= parts per million.

No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:



Planned Activities:

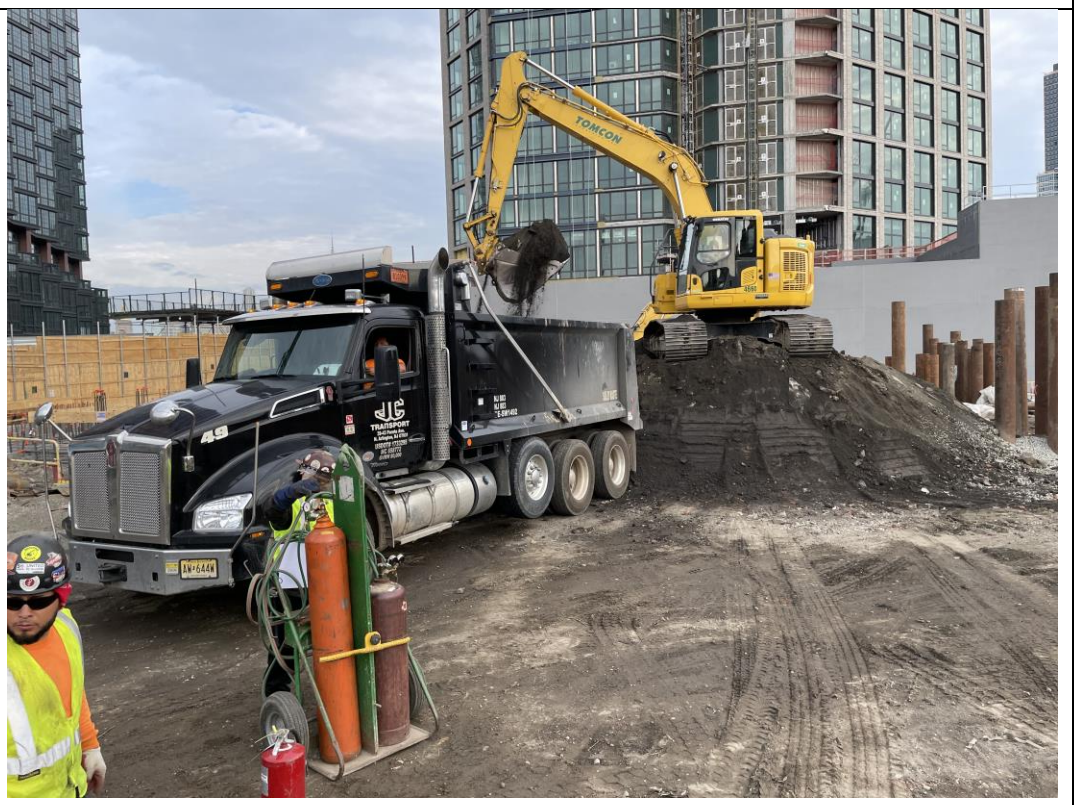
- STNY will continue to excavate in waste characterization COMP C (0-5).
- STNY will continue to backfill in waste characterization COMP C (0-5), COMP E (0-5) and COMP F (0-5).
- STNY will continue production pile driving.
- STNY will backfill the LB18 hotspot.
- STNY will continue to export Soil Stockpile 1.

SITE PLAN

- **Site Boundary**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Asphalt and Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Endpoint Sample**

File Name: 2021-08-16 Daily Field Report_030

Photo Log

Photo 1: View of STNY excavating hazardous lead hotspot LB18 for off-site disposal (facing east).	
Photo 2: View of STNY loading a truck with Soil Stockpile 1 for export and off-site disposal (facing north).	

File Name: 2021-08-16 Daily Field Report_030

Photo 3: View of STNY excavating in waste characterization grids COMP B, COMP A and COMP J South (facing west).	
Photo 4: View of excavation in COMP J North (facing north)	

File Name: 2021-08-16 Daily Field Report_030

DAILY FIELD REPORT 031

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	August 17, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 3:45 pm

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

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)

Langan Field Personnel:
Yaskira Mota

Work Activities Performed:

- STNY excavated an about 50-foot-long by 22-foot-wide area to about 2 feet below grade surface (bgs) in waste characterization grids COMP B (0-5) and COMP C (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination. STNY used the excavated material to temporarily backfill an about 59-foot-long by 40-foot-wide area in waste characterization grid COMP A and COMP B from 2 feet bgs to grade to allow for vehicle travel. Temporarily backfilled soil will be removed and disposed of off-site at a later date.
    - The following additional excavations were completed within the above-described excavation to install pile cap formwork. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was used as temporary backfill as described above.
        - A 16-foot-long by 14-foot-wide excavation to a maximum depth of 4 feet bgs.
        - A 14-foot-long by 12-foot-wide excavation to a maximum depth of 4 feet bgs.
- STNY excavated an about 56-foot-long by 44-foot-wide area to about 1 foot bgs in waste characterization grids COMP D (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1.
- STNY excavated an about 57-foot-long by 35-foot-wide area to about 2 feet bgs in waste characterization grid COMP J South (0-2) for the remedial excavation and to create a truck pad for the new site entrance. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1.
- STNY excavated an about 20-foot-long by 16-foot-wide area to 2 feet bgs in waste characterization grid COMP A (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1.
- STNY excavated an about 10-foot-long by 10-foot-wide area to about 1 foot bgs in waste characterization grid COMP A (0-5) to overexcavate a soil stockpile, composed of soil from COMP A (5-6) and COMP B (5-6), that was flattened on August 11, 2021. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled on polyethylene sheeting in waste characterization grid COMP A. The soil stockpile will be sampled and characterized for off-site disposal to a facility that is permitted to accept the waste.
- STNY backfilled the about 18-foot-long by 18-foot-wide area of the LB18 hotspot at the southern part of the site with New York State Department of Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon – Mt. Hope Quarry from about 7 feet bgs to about 1 foot bgs.
    - Prior to backfilling, STNY placed a demarcation layer, consisting of orange snow fencing, at the base and along the sidewalls of the excavation.
- STNY backfilled an about 55-foot-long by 10-foot-wide area in waste characterization grid COMP G with 0.75-inch virgin stone from Tilcon – Mt. Hope Quarry from 2 feet bgs to grade.

Material Tracking:

- The following soil/fill was exported from the site:
  - 43 loads of non-native soil were transported to the Clean Earth of Bethlehem facility (CEPA) located in Bethlehem, Pennsylvania.
- The following materials were imported to the site:
  - STNY imported 1 load of 2.5-inch virgin stone from Tilcon - Pompton Lakes Quarry. One load of stone was used to create a truck pad at the site entrance and another load was stockpiled in waste characterization grid COMP A.

Samples Collected:

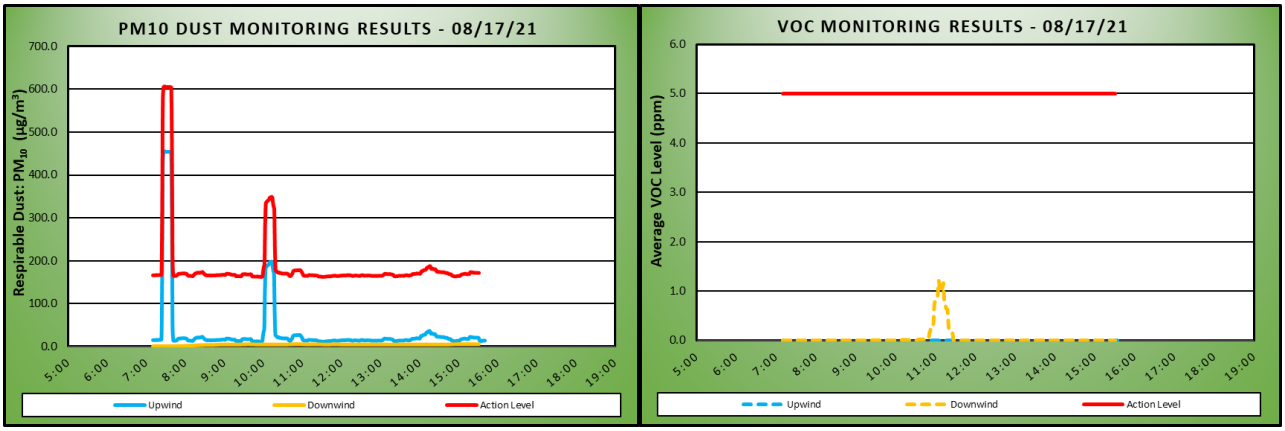
- Langan collected two documentation samples at 2 feet bgs in waste characterization grid COMP G and one documentation sample at 2 feet bgs in COMP J South. The documentation soil samples were submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 volatile organic compounds (VOC), Part 375 semi-volatile organic compounds (SVOC) including 1,4-dioxane, polychlorinated biphenyls (PCB), pesticides/herbicides, target analyte list (TAL) metals including hexavalent and trivalent chromium, and per- and polyfluoroalkyl substances (PFAS).
  - EP25_2
  - EP26_2
  - EP33_2

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	8.3		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	35.0	4.6	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	456.5	6.1	Maximum 15-min Average	0.0	1.2
Minimum 1-min Instant Reading	10.5	1.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	4114.5	6.8	Maximum 1-min Instant Reading	0.0	4.6

µg/m³-micrograms per cubic meter. ppm= parts per million.

Particulate exceedances were encounter upwind of the site. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:



Planned Activities:

- STNY will continue to excavate in waste characterization across the site.
- STNY will continue to backfill in waste characterization COMP C (0-5), COMP E (0-5) and COMP F (0-5), COMP G (0-5) COMP A (0-5).
- STNY will continue production pile driving.
- STNY will continue to export stockpiled soil to Clean Earth of Bethlehem, located in Bethlehem Pennsylvania.

SITE PLAN

- **Site Boundary**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Asphalt and Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Endpoint Sample**

Photo Log

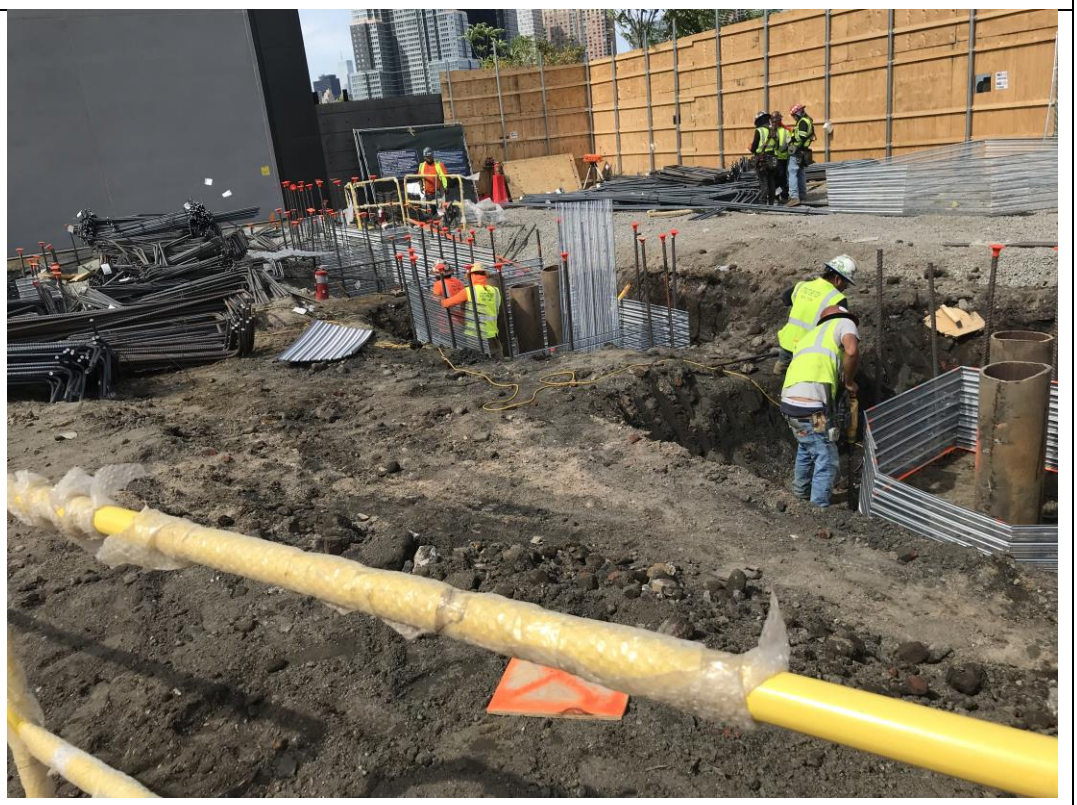
Photo 1: View of STNY backfilling hazardous lead hotspot LB18 with 0.75-inch virgin stone (facing east).	
Photo 2: View of STNY installing pile cap formwork in waste characterization grids COMP B and COMP C (facing north).	

Photo 3: View of STNY temporarily backfilling the remedial excavation in waste characterization grids COMP B and COMP A with excavated material from waste characterization grids COMP B and COMP C. Temporariily backfilled soil will be removed and disposed of at a later date (facing east).	
Photo 4: View of STNY loading trucks with Soil Stockpile 1 for export and off-site disposal (facing north).	

File Name: 2021-08-17 Daily Field Report_031

DAILY FIELD REPORT 032

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	August 18, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 4:00 pm

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

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)

Langan Field Personnel:
Audrey Seery
Shrinidhi Shetty

Work Activities Performed:

- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP H. Pile #111A was completed, and Piles #196A and #229A were rejected.
    - Pile #196A was driven to about 26.5 feet below grade surface (bgs) (elevation [el[1]] –14.5±).
    - Pile #229A was driven to about 39 feet bgs (el –27±).
    - Pile #111A was driven to about 46 feet bgs (el –34.3±).
- STNY excavated an about 45-foot-long by 21-foot-wide area to about 2 feet below grade surface (bgs) in waste characterization grid COMP C (0-5) and COMP B (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled on the border of waste characterization grids COMP A, COMP B, and COMP J South (Soil Stockpile 2).
    - The following additional excavations were completed within the above-described remedial excavation to install pile cap formwork. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 2.
        - An about 16-foot-long by 13-foot-wide excavation to a maximum depth of 5 feet bgs.
        - An about 12-foot-long by 11-foot-wide excavation to a maximum depth of 4 feet bgs.
- STNY excavated an about 42-foot-long by 22-foot-wide area to about 2 feet bgs in waste characterization grid COMP B (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 2.
    - The following additional excavations were completed within the above-described remedial excavation to install pile cap formwork. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 2.
        - An about 10-foot-long by 10-foot-wide excavation to a maximum depth of 5 feet bgs.
        - An about 12-foot-long by 11-foot-wide excavation to a maximum depth of 5 feet bgs.
- STNY excavated an about 43-foot-long by 20-foot-wide area to 2 feet bgs in waste characterization grids COMP B (0-5) and COMP A (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 2.
- STNY flattened/regraded an about 30-foot-long by 25 foot-wide area in waste characterization grid COMP J South (0-2) to about 2 feet bgs. Excess soil generated from grading activities consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1 and Soil Stockpile 2.
- STNY backfilled an about 45-foot-long by 25-foot-wide area in waste characterization grid COMP J South (0-2) with New York State Department of Environmental Conservation (NYSDEC)-approved 2.5-inch virgin stone from Tilcon - Pompton Lakes Quarry to create a truck pad.

- STNY backfilled the following areas in waste characterization grid COMP F (0-5) around installed pile caps with NYSDEC-approved 0.75-inch virgin stone from Tilcon – Mt. Hope Quarry:
    - An about 15-foot-long by 6-foot wide area from about 3 feet bgs to grade.
    - An about 10-foot-long by 3-foot wide area from about 3 feet bgs to grade.
- STNY backfilled an about 15-foot-long by 10-foot-wide area in waste characterization grid COMP G with NYSDEC-approved 0.75-inch virgin stone from about 3 feet bgs to site grade.
- STNY excavated an about 70-foot-long by 46-foot-wide area to 2 feet bgs in waste characterization grids COMP G (0-5) and COMP H (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled in waste characterization grids COMP H and COMP J South (Soil Stockpile 3).

Material Tracking:

- No soil/fill was exported from the site.
- The following materials were imported to the site:
    - STNY imported 1 load of 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry. The stone was stockpiled in waste characterization grid COMP G and then used to backfill various areas in waste characterization grids COMP F and COMP G.

Samples Collected:

- No samples were collected.

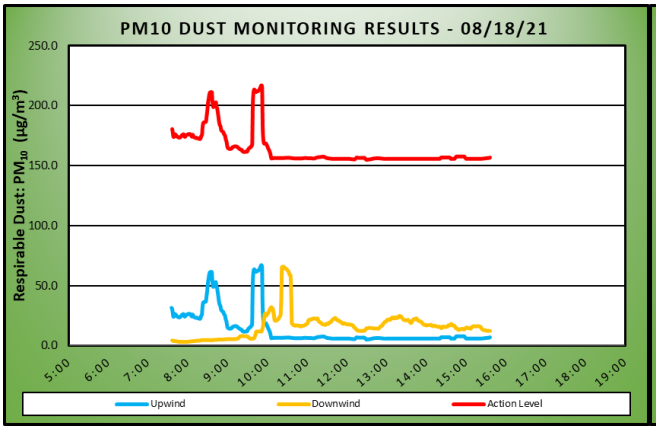
File Name: 2021-08-18 Daily Field Report_032

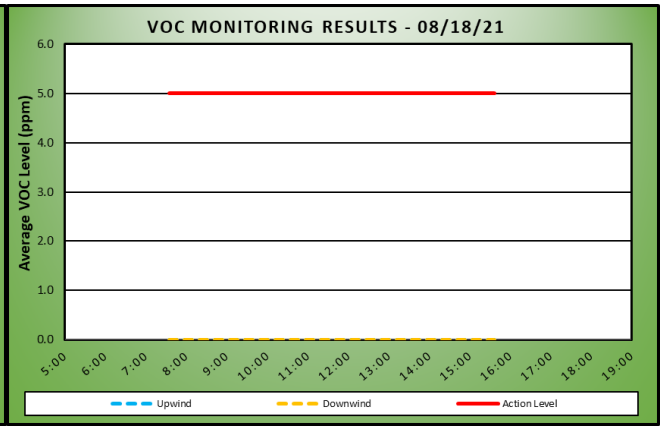
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	31.6		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	13.9	15.6	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	67.1	66.0	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	55.0	2.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	524.3	424.3	Maximum 1-min Instant Reading	0.0	0.0

µg/m³-micrograms per cubic meter. ppm= parts per million.

No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:





Planned Activities:

- STNY will continue to excavate in waste characterization grids COMP B (0-5) and COMP H (0-5).
- STNY will continue to backfill in waste characterization grids COMP C (0-5), COMP E (0-5), COMP F (0-5), COMP G (0-5), and COMP A (0-5).
- STNY will continue production pile driving.
- STNY will continue to export stockpiled soil to Clean Earth of Bethlehem, located in Bethlehem Pennsylvania.

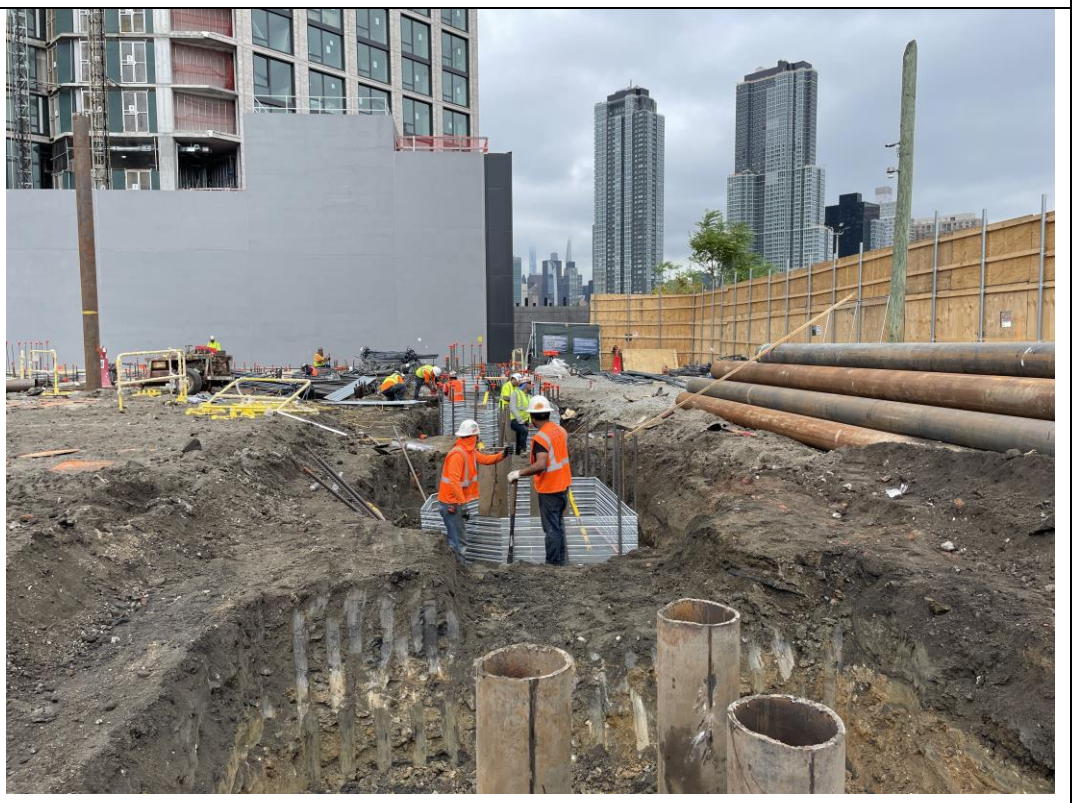
File Name: 2021-08-18 Daily Field Report_032

SITE PLAN

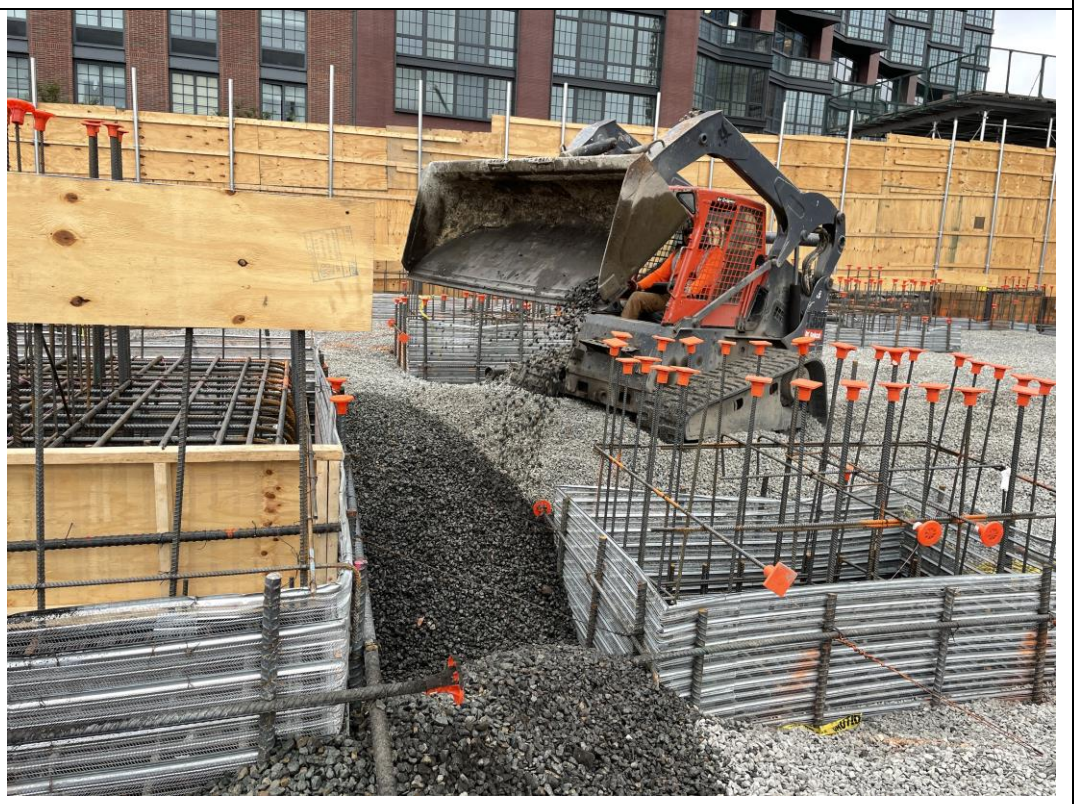
- **Site Boundary**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Asphalt and Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Endpoint Sample**

File Name: 2021-08-18 Daily Field Report_032

Photo Log

Photo 1: View of STNY backfilling with imported 2.5-inch virgin stone in waste characterization grid COMP J South (0-2) to create the new truck pad (facing south).	
Photo 2: View of STNY installing pile cap formwork in waste characterization grid COMP B (0-5) (facing north).	

File Name: 2021-08-18 Daily Field Report_032

Photo 3: View of STNY excavating to install pile cap formwork in waste characterization grid COMP C (0-5) (facing southeast).	
Photo 4: View of STNY backfilling with imported 0.75-inch virgin stone around pile cap formwork in waste characterization grid COMP F (0-5) (facing west).	

DAILY FIELD REPORT 033

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	August 19, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 3:45 pm

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

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)

Langan Field Personnel:
Yaskira Mota Diaz

Work Activities Performed:

- STNY excavated an about 25-foot-long by 11-foot-wide area to about 2 feet below grade surface (bgs) in waste characterization grids COMP K (0-2) to install a fence. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added Soil Stockpile 2. Stockpile 2 was combined with Stockpile 3 (described below).
- STNY excavated an about 58-foot-long by 38-foot-wide area a maximum depth of 3 feet bgs in waste characterization grids COMP A (0-5) for the remedial excavation and to level site grade with the Commercial Street sidewalk. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 2 or live loaded to be transported to the Clean Earth of Bethlehem facility (CEPA) located in Bethlehem, Pennsylvania.
    - Large construction and demolition debris (C&D) encountered during excavation activities was stockpiled adjacent to the excavation. Langan informed the contractor that all stockpiles must be located at least 20 feet from the southern boundary of the site; the stockpile of C&D will be moved to a location greater than 20 feet from the southern boundary on 8/20/21.
- STNY excavated the following areas to install pile caps. Excavated material consisted of non-native soil and did not exhibit signs of chemical- or petroleum-like contamination.
    - An about 12-foot-long by 10-foot-wide area to a maximum depth of 4 feet bgs in waste characterization grid COMP G (0-5). Excavated soil was added to Soil Stockpile 3.
    - An about 6-foot-long by 6-foot-wide area to a maximum depth of 3 feet bgs in waste characterization grid COMP G (0-5). Excavated soil was added to Soil Stockpile 3.
- STNY excavated an about 22-foot-long by 15-foot-wide area to a minimum depth of 2 foot bgs and a maximum depth of 3 feet bgs in waste characterization grids COMP H (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 3.
- STNY excavated an about 14-foot-long by 10-foot-wide area to a maximum depth of 5 feet bgs in waste characterization grid COMP G (0-5) to install a house trap pit, associated with the building sewer utility system. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to the existing Soil Stockpile 3.
- STNY relocated Soil Stockpile 2 COMP A (0-5) from waste characterization grid COMP G and combined it with Soil Stockpile 3, located in waste characterization grid COMP H, COMP J and COMP D.
- STNY regraded an about 20-foot-long by 20-foot-wide area of previously installed 2.5-inch virgin stone in waste characterization grid COMP H to level site grade.
    - Excess 2.5-inch virgin stone generated from grading activities was used to backfill an about 28-foot-long by 10-foot-wide area in waste characterization grid COMP J – South to extend the site entrance trucking pad.

Material Tracking:

- The following soil/fill was exported from the site:
    - 26 loads of non-native soil were transported to the CEPA facility located in Bethlehem, Pennsylvania.
- No material was imported to the site.

Samples Collected:

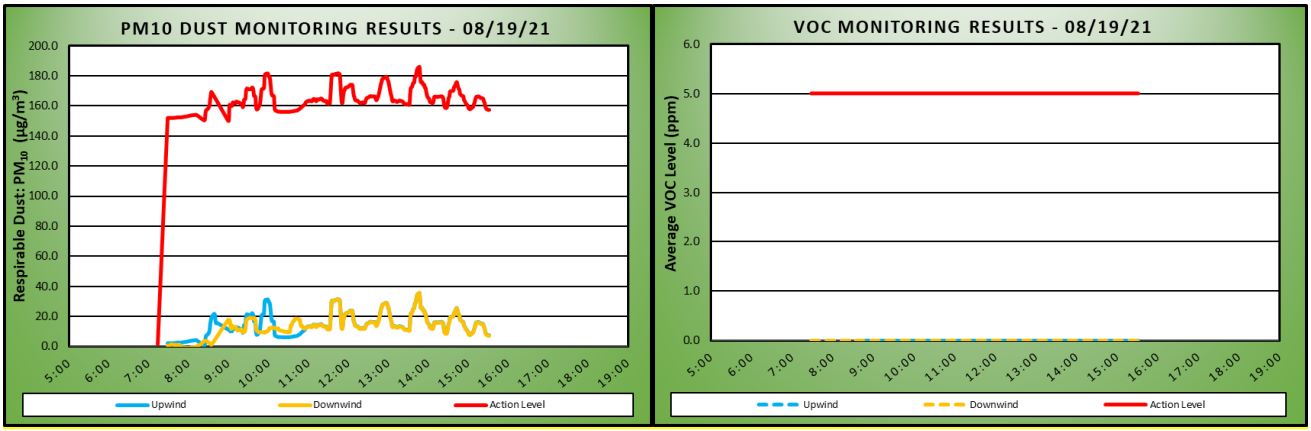
- Langan collected two documentation samples at 2 feet bgs in waste characterization grid COMP G and one documentation sample at 2 feet bgs in COMP J South. The documentation soil samples were submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 volatile organic compounds (VOC), Part 375 semi-volatile organic compounds (SVOC) including 1,4-dioxane, polychlorinated biphenyls (PCB), pesticides/herbicides, target analyte list (TAL) metals including hexavalent and trivalent chromium, and per- and polyfluoroalkyl substances (PFAS).
    - EP03_2
    - EP09_2
    - EP31_2
    - EP32_2
    - EP37_2

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	1.4		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	14.4	13.4	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	35.9	35.9	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	-1.5	-2.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	244.0	127.9	Maximum 1-min Instant Reading	0.0	0.0

µg/m³-micrograms per cubic meter. ppm= parts per million.

The downwind station was offline from 8:34 AM to 8:44 AM to relocate the Community Air Monitoring Program (CAMP) station to the Commercial Street sidewalk when soil-intrusive activities were being performed within 20 feet of the southern boundary of the site. No particulate or organic vapor exceedances at the downwind station were encountered. The daily CAMP monitoring results are also presented in the following charts:



Planned Activities:

- STNY will continue the remedial excavation and transport soil to disposal facilities permitted to accept the waste.
- STNY will continue to backfill in waste characterization grids COMP C (0-5), COMP E (0-5), COMP F (0-5), COMP G (0-5), and COMP A (0-5).
- STNY will continue production pile driving.

File Name: 2021-08-19 Daily Field Report_033

SITE PLAN

- **Site Boundary**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Asphalt and Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Endpoint Sample**

File Name: 2021-08-19 Daily Field Report_033

Photo Log

Photo 1: View of STNY excavating to install formwork installation in waste characterization grid COMP D (0-5) (facing north).	
Photo 2: View of STNY combining Soil Stockpiles 2 and Soil Stockpiles 3 (facing north).	

File Name: 2021-08-19 Daily Field Report_033

Photo 3: View of STNY excavating to to facilitate fencing work in waste characterization grid COMP K (0-2) (facing southeast).	
Photo 4: View of STNY loading soil onto a truck for off-site disposal to the CEPA located in Bethlehem, Pennsylvania (facing north).	

File Name: 2021-08-19 Daily Field Report_033

DAILY FIELD REPORT 034

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	August 20, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 3:30 pm

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

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)

Langan Field Personnel:
Yaskira Mota Diaz

Work Activities Performed:

- STNY excavated an about 23-foot-long by 20-foot-wide area in waste characterization grid COMP A (0-5) to a maximum depth of 5 feet below grade surface (bgs) in preparation for a load test. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled in Soil Stockpile 3.
- STNY excavated an about 12-foot-long by 9-foot-wide area to 5 feet bgs in waste characterization grid COMP G (0-5) to install formwork for a pile cap. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled in Soil Stockpile 3.
- STNY excavated an about 14-foot-long by 7-foot-wide area to 5 feet bgs in waste characterization grid grid COMP G (0-5) for the remedial excavation and in preparation to install pile caps. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled in Soil Stockpile 3.
- STNY excavated an about 73-foot-long by 34-foot-wide area to 2 feet bgs in waste characterization grids COMP A (0-5), COMP B (0-5), and COMP J South (0-2) for the remedial excavation. Excavated material consisted of non-native soil (previously excavated from waste characterization COMP C (0-5) and temporarily used for backfill), did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 3 or live-loaded into into trucks for off-site disposal to the Clean Earth of Bethlehem facility (CEPA) located in Bethlehem, Pennsylvania.
- STNY loaded trucks with soil from Soil Stockpile 3 for off-site disposal to the CEPA facility located in Bethlehem, Pennsylvania.
- STNY relocated the construction and demolition debris (C&D) stockpile from southern part of waste characterization grid COMP A and combined it with the C&D stockpile located in northern part of waste characterization grid COMP A.

Material Tracking:

- The following soil/fill was exported from the site:
  - 23 loads of non-native soil were transported to the CEPA facility located in Bethlehem, Pennsylvania.
- No material was imported to the site.

Samples Collected:

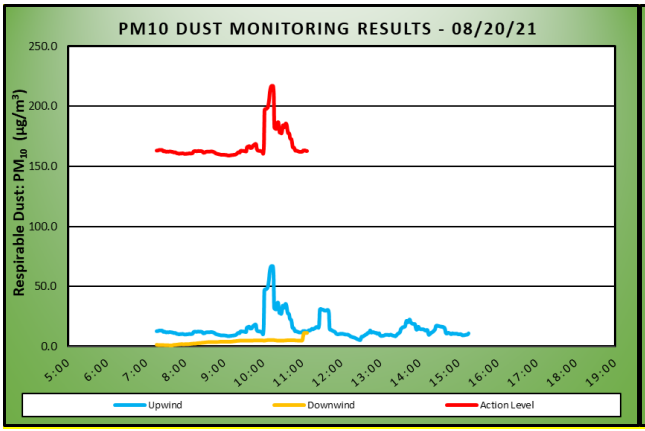
- No samples were collected.

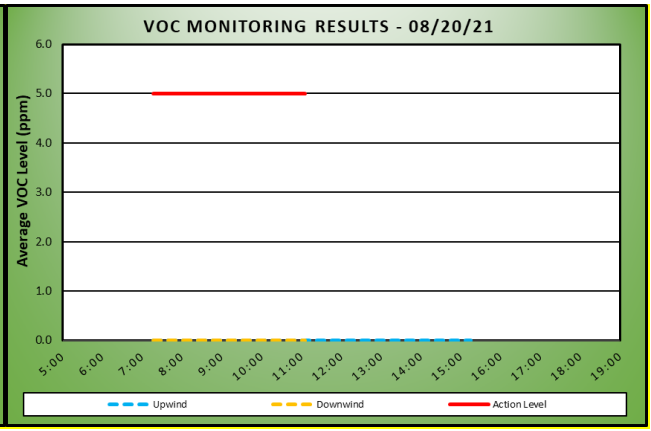
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	7.3		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	15.1	4.2	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	67.1	11.2	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	4.0	1.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	463.0	53.0	Maximum 1-min Instant Reading	0.0	0.0

µg/m³-micrograms per cubic meter. ppm= parts per million.

Data was not collected from downwind station from 11:07am until the end of day due to connectivity issues. The equipment manufacturer was contacted and will send a technician to evaluate the equipment. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:





Planned Activities:

- STNY will continue to excavate in waste characterization grids COMP B (0-5), COMP A (0-5) and COMP H (0-5).
- STNY will continue to backfill in waste characterization grids COMP C (0-5), COMP E (0-5), COMP F (0-5), COMP G (0-5), and COMP A (0-5).
- STNY will continue production pile driving.
- STNY will continue to export stockpiled soil to Clean Earth of Bethlehem, located in Bethlehem Pennsylvania.

SITE PLAN

- **Site Boundary**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Asphalt and Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Endpoint Sample**

File Name: 2021-08-20 Daily Field Report_034

Photo Log

Photo 1: View of STNY excavating in waste characterization grid COMP A (0-5) in preparation for a load test (facing north).	
Photo 2: View of the remedial excavation in waste characterization grids COMP B (0-5) and COMP A (0-5) (facing west).	

File Name: 2021-08-20 Daily Field Report_034

Photo 3: View of STNY excavating to install pile cap formwork in waste characterization grid COMP G (0-5) (facing north).	
Photo 4: View of STNY loading a truck with soil from Soil Stockpile 3 for off-site disposal facing east).	

File Name: 2021-08-20 Daily Field Report_034