

DAILY FIELD REPORT 003

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

Prepared By: LANGAN

BCP Project No:	C224304	Date:	July 6, 2021
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Project Name:	45 Commercial Street	Time:	6:45 am to 3:45 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	Langan Field Personnel: Ethan Smith Deo Persaud
Construction Manager: Monadnock Construction Inc. (MC)	
Foundation Contractor: StructureTech New York, Inc. (STNY)	
Soil Broker: Clean Earth LLC (CE)	

Work Activities Performed:

- STNY used a pile driver to install five index piles in the western part of the site. The index piles were installed to depths ranging from 45 to 58 feet below grade surface (bgs).

Material Tracking:

- No material was imported to the site.
- No material was exported from the site.

Samples Collected:

- No samples were collected.

Air Monitoring:

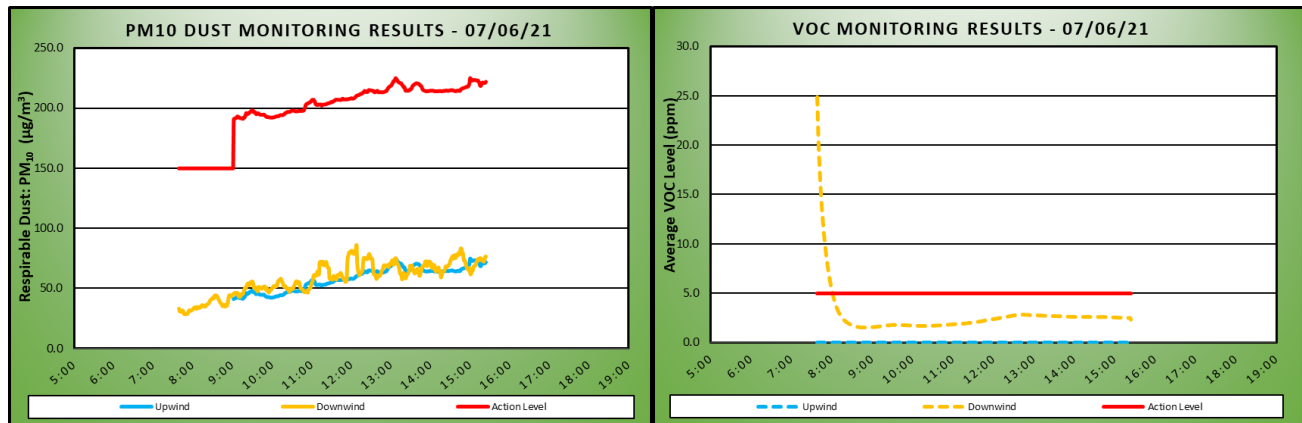
Particulate Monitoring ($\mu\text{g}/\text{m}^3$)			Organic Vapor Monitoring (ppm)		
Daily background	40.9		Daily Background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	58.1	57.8	Daily Time Weighted Average	0.0	3.2
Maximum 15-min Average	74.9	86.1	Maximum 15-min Average	0.0	24.9
Minimum 1-min Instant Reading	35.3	14.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	129.8	309.0	Maximum 1-min Instant Reading	0.1	58.5

$\mu\text{g}/\text{m}^3$ -micrograms per cubic meter.

ppm= parts per million.

Organic vapor action level were exceeded between 7:39 am and 8:01 am because of equipment calibration error. No source of organic vapor or odors were identified at the site.

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



Planned Activities:

- STNY will continue advancing index piles.

SITE PLAN



LEGEND









-  Site Boundary
-  Upwind CAMP station
-  Downwind CAMP station
-  Stockpile – Soil
-  Stockpile – C&D (Asphalt and Concrete)
-  Approximate Location of Excavation
-  Approximate Area of Asphalt/Concrete Removal
-  Approximate Location of Completed Index Pile

Photo Log

Photo 1:
View of STNY installing an index pile at the northeastern corner of the site (facing north).



Photo 2:
View of a completed index pile in the western part of the site (facing northwest).



DAILY FIELD REPORT 004

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

Prepared By: LANGAN

BCP Project No:	C224304	Date:	July 7, 2021
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Project Name:	45 Commercial Street	Time:	6:45 am to 3:45 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Langan Field Personnel:

Tyler Goodnough

Deo Persaud

Construction Manager: Monadnock Construction Inc. (MC)

Foundation Contractor: StructureTech New York, Inc. (STNY)

Soil Broker: Clean Earth LLC (CE)

Work Activities Performed:

- STNY used a pile driver to install seven index piles in the central and eastern parts of the site. The index piles were installed to depths ranging from 51 to 63 feet below grade surface (bgs).
 - Two index piles did not reach bedrock and will be completed at a later date.
- STNY excavated an about 13-foot-wide by 20-foot-long area to a depth of 5 feet bgs to facilitate the installation of an index pile in the southeastern part of the site. Excavated material consisted of historical fill, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled adjacent to the excavation. The excavated material was used to backfill the excavation to grade after the pile was installed.

Material Tracking:

- No material was imported to the site.
- No material was exported from the site.

Samples Collected:

- No samples were collected.

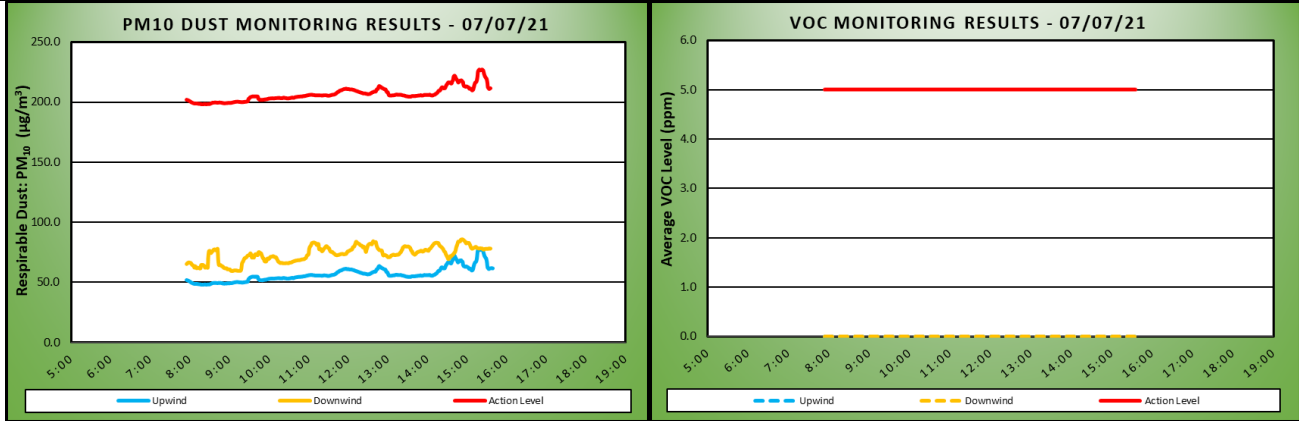
Air Monitoring:

Particulate Monitoring ($\mu\text{g}/\text{m}^3$)			Organic Vapor Monitoring (ppm)		
Daily background	51.8		Daily Background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	56.5	73.5	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	77.3	85.9	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	46.0	52.4	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	135.0	209.3	Maximum 1-min Instant Reading	0.0	0.0

 $\mu\text{g}/\text{m}^3$ -micrograms per cubic meter.

ppm= parts per million.

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



Planned Activities:

- STNY will begin advancing reaction piles.

SITE PLAN



LEGEND









-  Site Boundary
-  Upwind CAMP station
-  Downwind CAMP station
-  Stockpile - Soil
-  Stockpile - C&D (Asphalt and Concrete)
-  Approximate Location of Excavation
-  Approximate Area of Asphalt/Concrete Removal
-  Approximate Location of Completed Index Pile

Photo Log

Photo 1:
View of index piles installed in the central part of the site (facing north).



Photo 2:
View of the excavation in the southeastern part of the site (facing east).



DAILY FIELD REPORT 005

WEATHER	Snow		Rain	x	Overcast		Partly Cloudy	x	Sunny	x
TEMP.	< 32		32-50		79-80		70-85	x	>85	x

Prepared By: LANGAN

BCP Project No:	C224304	Date:	July 9, 2021
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Project Name:	45 Commercial Street	Time:	6:30 am to 5:30 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Langan Field Personnel:
Gabriel Enriquez-Castro

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

Work Activities Performed:

- STNY used a pile driver to advance one reaction pile in the northwestern part of the site to about 60 feet below grade surface (bgs).
- STNY excavated an about 54-foot-long trench by 7-foot-wide in the northern part of the site to a maximum depth of about 4 feet bgs to direct water used when advancing piles. The water was then pumped into a container and re-used by the pile driver. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled adjacent to the excavation. The stockpile was placed on intact asphalt surface cover and was covered with polyethylene sheeting at the end of the day.
- STNY excavated an approximately 5-foot-long by 5-foot-wide area to about 4 feet bgs in the central part of the site to evaluate potential locations to direct water used during pile advancement. The excavation was backfilled with the same soil that was previously excavated from that location.

Material Tracking:

- No material was imported to the site.
- No material was exported from the site.

Samples Collected:

- No samples were collected.

Air Monitoring:

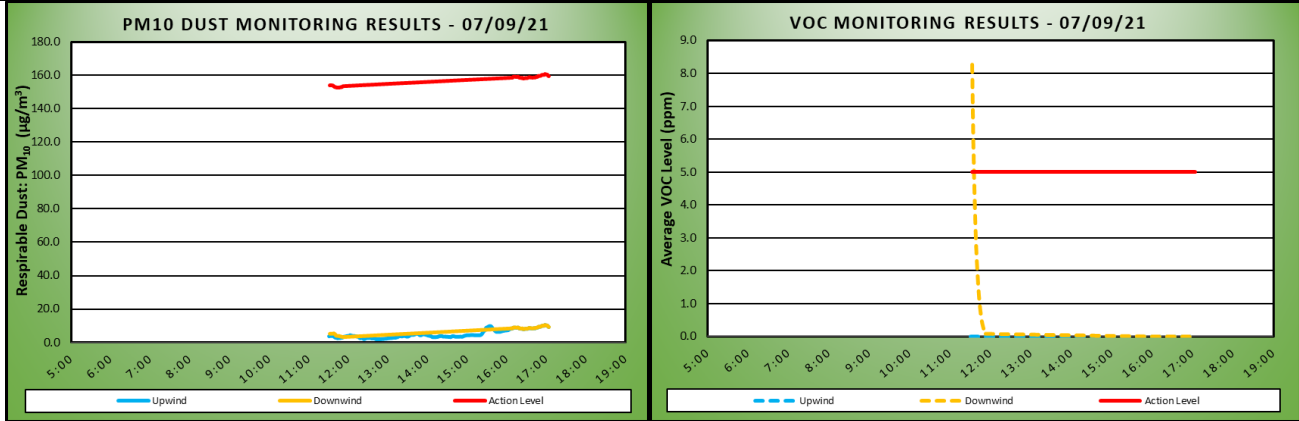
Particulate Monitoring ($\mu\text{g}/\text{m}^3$)			Organic Vapor Monitoring (ppm)		
Daily background	3.8		Daily Background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	5.1	7.0	Daily Time Weighted Average	0.0	2.0
Maximum 15-min Average	10.6	10.6	Maximum 15-min Average	0.0	8.3
Minimum 1-min Instant Reading	1.3	17.3	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	2.0	17.3	Maximum 1-min Instant Reading	0.0	37.9

 $\mu\text{g}/\text{m}^3$ -micrograms per cubic meter.

ppm= parts per million.

The Community Air Monitoring Program (CAMP) was not implemented from 7:00 am to 11:15 am due to inclement weather.

The organic vapor action level was exceeded between 11:33 am and 11:35 am and there were periodic gaps in organic vapor and particulate data because of because of an equipment malfunctions. The equipment manufacturer was contacted and malfunctioning equipment will be replaced. No sources of organic vapor, odors, or visible dust were identified. The daily CAMP monitoring results are also presented in the following charts:



Planned Activities:

- STNY will continue advancing reaction piles.

SITE PLAN

LEGEND











-  **Site Boundary**
-  **Upwind CAMP station**
-  **Downwind CAMP station**
-  **Stockpile – Soil**
-  **Stockpile – C&D (Asphalt and Concrete)**
-  **Approximate Location of Excavation**
-  **Approximate Area of Asphalt/Concrete Removal**
-  **Approximate Location of Reaction Pile**

Photo Log

Photo 1:
View of reaction pile installation in the northwestern part of the site (facing northeast).



Photo 2:
View of the temporary excavation in the central part of the site (facing north).



Photo 3:
View of polyethylene covered stockpile and drill water trench at the close of the day (facing northeast).



Photo 4:
View of the temporary excavation at the central part of the site after backfilling (facing north).

