

DAILY FIELD REPORT 011

Prepared By: LANGAN

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

BCP Project No:	C224304	Date:	July 19, 2021
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Project Name:	45 Commercial Street	Time:	6:30 am to 4:00 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Langan Field Personnel:

Yaskira Mota Diaz

Ethan Smith

Construction Manager: Monadnock Construction Inc. (MC)

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

Soil Broker: Clean Earth LLC (CE)

Work Activities Performed:

- STNY used an excavator to grade an about 43-foot-long by 12-foot-wide area surrounding pile #76 within waste characterization grid COMP G (0-5) in preparation for a load test. Excess soil generated during grading activities was composed of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled within waste characterization grid COMP G.
- STNY used an excavator to grade an about 13-foot-long by 9-foot-wide area immediately south of pile #172 within waste characterization grid COMP B (0-5) in preparation for a load test. Excess soil generated during these activities was composed of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled within waste characterization grid COMP B.
- STNY backfilled the L-shaped area (consisting of an about 20-foot-long by 3-foot-wide area and an about 12-foot-long by 3-foot-wide area) within waste characterization grid COMP D (0-5), from about 2 feet bgs to grade with stockpiled soil¹ that was previously excavated from that location.

Material Tracking:

- No soil/fill was exported from the site.
- No material was imported to the site.

Samples Collected:

- No samples were collected.

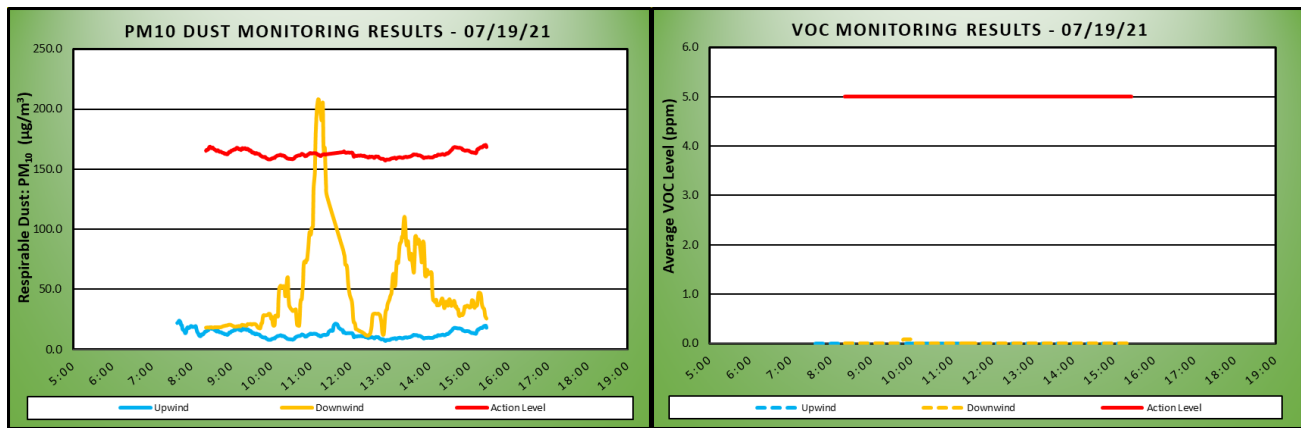
¹ Stockpiled soil consisted of soil excavated from COMP D (0-5)

Air Monitoring:

Particulate Monitoring ($\mu\text{g}/\text{m}^3$)			Organic Vapor Monitoring (ppm)		
Daily background	22.1		Daily Background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	13.3	48.0	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	24.1	208.3	Maximum 15-min Average	0.0	0.1
Minimum 1-min Instant Reading	5.8	9.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	65.3	728.3	Maximum 1-min Instant Reading	0.0	0.7

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

Particulates exceeded the action level at the downwind station from 11:08 to 11:22. The contractor immediately began spraying water for dust suppression and continued water spraying through the rest of the day. No other 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 regrading and excavating in preparation for load tests.

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 Area of Backfill
-  Approximate Location of Completed Pile

Photo Log

Photo 1:

View of STNY regrading the area around pile #76 within waste characterization grid COMP G (0-5) (facing northwest).



Photo 2:

View of the graded area within waste characterization grid COMP G (0-5) (facing southwest).



Photo 3:

View of STNY grading the area around pile #172 within waste characterization grid COMP B (0-5) (facing southwest).



Photo 4:

View of STNY backfilling the L-shaped area in COMP D (0-5) using stockpiled soil previously excavated from that location (facing northeast).



DAILY FIELD REPORT 012

Prepared By: LANGAN

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

BCP Project No:	C224304	Date:	July 20, 2021
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Project Name:	45 Commercial Street	Time:	6:45 am to 4:30 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	Langan Field Personnel: Yaskira Mota Diaz
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Construction Manager: Monadnock Construction Inc. (MC)	
Foundation Contractor: StructureTech New York, Inc. (STNY)	
Soil Broker: Clean Earth LLC (CE)	

Work Activities Performed:

- STNY excavated an about 20-foot-long by 13-foot-wide area within waste characterization grid COMP F (0-5) to a maximum depth of 2 feet below grade surface (bgs) in preparation for a load test. Excavated material consisted of non-native soil and large concrete debris. The soil did not exhibit signs of chemical- or petroleum-like contamination and was stockpiled on and covered with polyethylene sheeting within waste characterization grid COMP F. The concrete debris was segregated from soil and stockpiled separately within waste characterization grid COMP F.
- STNY excavated an about 11-foot-long by 10-foot-wide area within waste characterization grid COMP B (0-5) to about 1.5 feet 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 on and covered with polyethylene sheeting within waste characterization grid COMP K.
- STNY relocated the concrete and soil stockpiles¹ within COMP A about 10 feet to the north. The stockpiles are now approximately 35 feet north of the southern boundary of the site.

Material Tracking:

- No soil/fill was exported from the site.
- No material was imported to the site.

Samples Collected:

- No samples were collected.

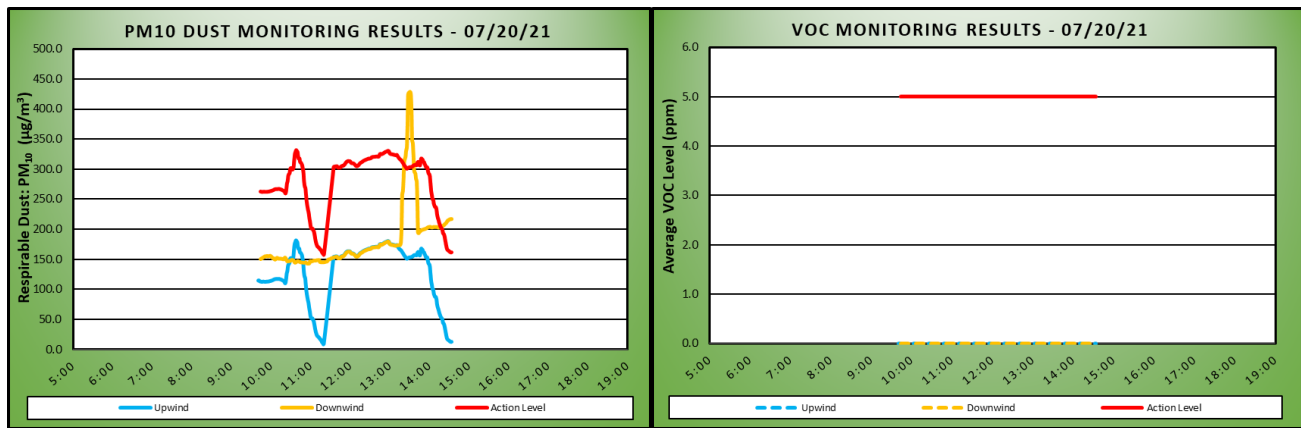
¹ Soil stockpile COMP A (0-5), COMP K (0-5)

Air Monitoring:

Particulate Monitoring ($\mu\text{g}/\text{m}^3$)			Organic Vapor Monitoring (ppm)		
Daily background	114.2		Daily Background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	123.4	179.2	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	181.0	428.5	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	3.0	106.3	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	300.5	1008.8	Maximum 1-min Instant Reading	0.0	0.0

$\mu\text{g}/\text{m}^3$ =micrograms per cubic meter. ppm= parts per million.

Particulates exceeded the action level at the downwind station from 13:22 to 13:36 and from 14:18 to 14:34 (the conclusion of intrusive work). During periods of action level exceedances, the contractor immediately began spraying water for dust suppression. No other 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 setting up the compression and tension test.

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 Pile**

Photo Log

Photo 1:

View of excavation and soil stockpile within COMP F (0-5) prior to removal of debris (facing northwest).



Photo 2:

View of excavated area within COMP F (0-5) (facing northeast).



Photo 3:
View of STNY spraying water for dust suppression during ground intrusive activities (facing west).



Photo 4:
View of STNY relocating soil and concrete stockpiles within COMP A (facing south)



DAILY FIELD REPORT 013

Prepared By: LANGAN

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

BCP Project No:	C224304	Date:	July 21, 2021
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Project Name:	45 Commercial Street	Time:	6:45 am to 2:45 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	Langan Field Personnel: Yaskira Mota Diaz
Construction Manager: Monadnock Construction Inc. (MC)	
Foundation Contractor: StructureTech New York, Inc. (STNY)	
Soil Broker: Clean Earth LLC (CE)	

Work Activities Performed:

- STNY excavated an about 30-foot-long by 3-foot-wide area to a maximum depth of 5 feet below grade surface (bgs) to facilitate the installation of support of excavation (SOE) sheeting within waste characterization grid COMP E (0-5). Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled in COMP E (0-5). The excavated material was used to backfill the excavation to grade after the SOE installation was completed.

Material Tracking:

- No soil/fill was exported from the site.
- No material was imported to the site.

Samples Collected:

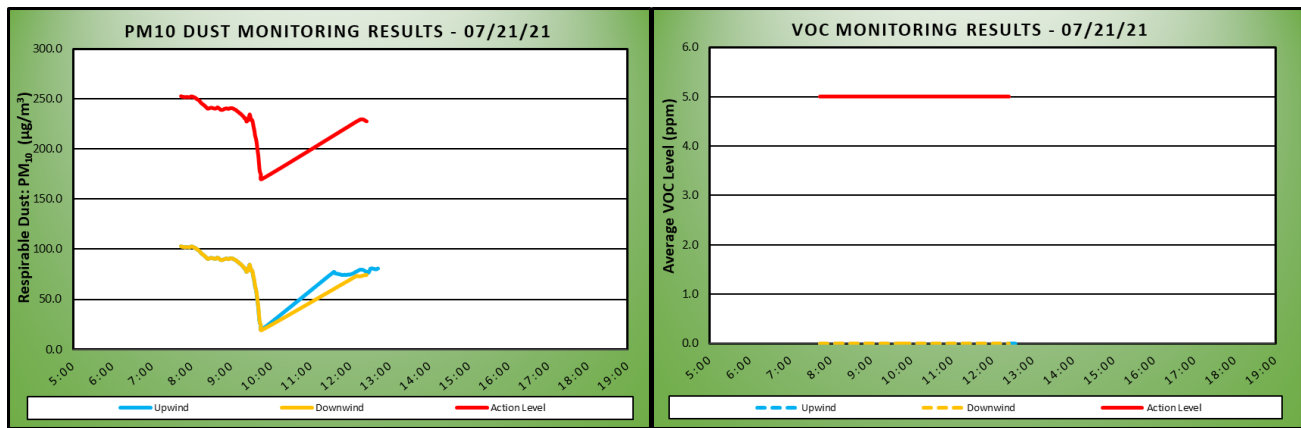
- No samples were collected.

Air Monitoring:

Particulate Monitoring ($\mu\text{g}/\text{m}^3$)			Organic Vapor Monitoring (ppm)		
Daily background	102.8		Daily Background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	81.6	82.1	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	102.8	102.8	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	9.3	9.3	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	133.5	133.5	Maximum 1-min Instant Reading	0.0	0.0

$\mu\text{g}/\text{m}^3$ =micrograms per cubic meter. ppm= parts per million.

Particulate and organic vapor data was collected intermittently throughout the day due to system connectivity issues and due to inclement weather. The equipment provider sent a technician to the site and resolved the system connectivity issues. 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 perform pile load testing (no ground intrusive work is anticipated for 7/22).

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 Pile

Photo Log

Photo 1:
View of STNY installing
SOE sheeting elements
within waste
characterization grid COMP
E (0-5) (facing northwest).



Photo 2:
View of STNY installing
SOE sheeting elements
within waste
characterization grid COMP
E (0-5), including the
temporary soil stockpile in
the foreground (facing
northwest).



From: [Woo Kim](#)
To: [Curley, Ruth E \(DEC\)](#)
Cc: [Tyler Goodnough](#)
Subject: RE: 45 Commercial Street (C224304) - Remedial Action - Daily Field Report
Date: Friday, July 23, 2021 1:39:41 PM
Attachments: [image002.png](#)
[image003.png](#)
[image004.png](#)

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Hi Ruth – one more note. No soil intrusive work was performed at 45 Commercial Street yesterday so the contractors could perform load tests. Langan was not on-site for air monitoring/documentation. Soil intrusive work is expected to resume on Monday.

Woo Kim
Project Manager

LANGAN

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