



CONSTRUCTION MONITORING REPORT

Eversource Transmission Lines:
F107

**Madbury, Durham,
Newington, Portsmouth,
NH**

Alteration of Terrain Permit:
SEC Docket No. 2015-004

Environmental Permit:
SEC Docket No. 2015-004

USEPA NOI Tracking No:
**NHR1000QN
NHR1000QT
NHR1000QO
NHR1000S6**

NAI Project No:
23840.39

TYPE OF INSPECTION: Weekly Storm Event Incident Corrective Action

Date: **08/29/19** Time: **12:00pm** Does this report include a 0.25" storm event? Yes No
If yes, how did you determine whether a 0.25" storm event has occurred? Rain Gauge Weather Station
Storm event information is from Pease Air Force Base.

+Storm event information (approx.):	Start date: 8-28-19	Amount (inches): 1.04in
	Start date:	Amount (inches):
	Start date:	Amount (inches):

NOTE:
*

Inspector name(s), title(s) and qualifications: **Matthew Smith, Normandeau Environmental Inspector and Marc Jacobs, CPESC, NHCWS**

Others present/qualifications(s): **Sam Eames, Eversource construction representative**

Weather conditions (since last inspection): **Mostly clear with a rain event (8-28-19).
Temperatures ranging in the 70's.**

Weather conditions (time of inspection & future outlook): **Future forecast is mostly clear with
the possibility of scattered showers early next week. Temperatures ranging in the 70's.**

CONSTRUCTION SITE SEQUENCING AND DISTURBANCE

Disturbed area and ongoing work (acreage & description): < 1 acre

Proceeding per approved plan? Yes No, if not, note area and explain:

Operating within phasing limitations? Yes No, if not, note area and explain:

General Comments

- Normandeau continues to conduct wildlife sweeps prior to timber matting installation. Afterwards it is the contractor's responsibility to conduct wildlife sweeps prior to daily activities in those areas.
- Timber matting must be maintained and swept.
- Spare erosion and sediment control materials stored on site shall be covered and protected from the weather.
- Equipment (trucks, excavator tracks) must be cleaned prior to transportation.
- BMPs will remain installed project wide until 85% of vegetation cover is observed.

Work completed this week:

- *Portsmouth*
 1. *Boulos continues to do work at substation.*
- *Newington*
 - *JCR constructed timber matted access road on Frink Farm.*
- *Durham*
 - *GZA installed treatment system at Gundalow Landing with discharge hose/PVC running approximately 400ft into the Bay.*
 - *GZA is managing soils excavated during trenching activities at Gundalow Landing.*
 - *MJ finished drilling foundations for Str. F107-28, 30, 32.*
 - *MJ is drilling foundation for Str. 100.*
 - *JCR continues site prep at the Shattuck Road laydown area.*
 - *Supreme continues to clear ROW.*
 - *Gratan continues to prep for cable house move.*

Erosion and sediment control items and observations:

- **BMPs**
 1. Repairs have be made to the silt fence around Flynn Pit. See photos 34 & 35

Corrective Action

- Sediment accumulated in swale northeast of Waterworks Rd laydown yard needs more attention. Additional work is needed, not all sediment has been removed. See photo 21. Coordinate with EM regarding schedule for this action.

OPERATING WITHIN LIMITS?

N/A YES NO if not, please explain:

SURFACE WATER QUALITY

Storm water discharge from the site at the time of inspection? YES NO N/A
Storm water discharge consistent with water quality standards? YES NO N/A
Turbidity visually observed? YES NO

If yes, check appropriate location(s) below, and describe discharge:

Location: N/A
Pond location: N/A
Adjacent surface water or wetland: N/A

Description:

TEMPORARY EROSION AND SEDIMENT CONTROLS (TESC)

Installed and functioning per the SWPPP? YES NO N/A

Are any corrective actions required? YES NO if so, please describe? Sediment removal from swale north of Waterworks Rd laydown area.

** Note: The permit differentiates between conditions requiring repairs and maintenance, and those requiring corrective action. Corrective actions are triggered only for specific, more serious conditions and require a corrective action form be filled out. Please refer to Part 5 of the CGP for additional information*

PERMANENT EROSION AND SEDIMENTATION CONTROLS

Disturbed areas must have a uniform perennial vegetative cover with 85% density, or equivalent physical stabilization, to be considered permanently stabilized (per the SWPPP).

Installed and functioning per the SWPPP? YES NO N/A

If not, explain what was not performed correctly (construction/stabilization) for each of the following categories. Detail what/where needs to be corrected, and what has been corrected since the last monitoring inspection.

If so, what areas:

Sparse germination: Colovos Rd, Field house, College Brook
Dense germination: Strs. 135, 136, 137
Stabilized (85%+ germination):

Storm Water Conveyance, Soil Stabilization, and Storm Water Treatment, Other:

OTHER COMMENTS AND OBSERVATIONS:

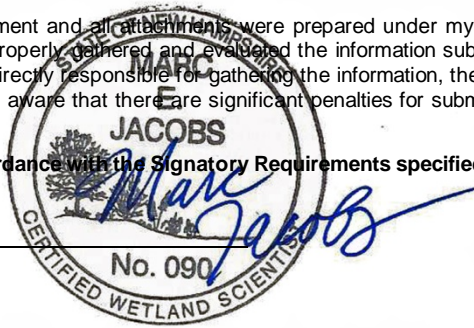
-None other than the above comments.

CERTIFICATION:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

This form is completed and signed in accordance with the Signatory Requirements specified in Appendix I.11 of the NPDES CGP for the project site and NOI identified above.

Authorized signature: _____



Date: _____ 8/29/19

PHOTOGRAPHS



Fig 1: Wetland NW34 crossing. Viewing northwest. (8-22-19).



Fig 2: Restoration next to UNH field house. Viewing south. (8-22-19).



Fig 3: Restoration along Colovos Rd, UNH. Viewing north. (8-22-19).



Fig 4 Shattuck Rd laydown yard progress. Viewing southwest. (8-22-19).

PHOTOGRAPHS



Fig 5: Wetland NW16 crossing. Viewing southeast. (8-23-19).



Fig 6: Drilling Str. 28 foundation. Viewing north. (8-23-19).



Fig 7: Shattuck Rd laydown yard progress. Viewing southwest. (8-23-19).



Fig 8: Siltation controls installed at Shattuck Rd laydown yard. Viewing west. (8-23-19).

PHOTOGRAPHS



Fig 9: Drilling Str. 28 foundation. Viewing north. (8-24-19).

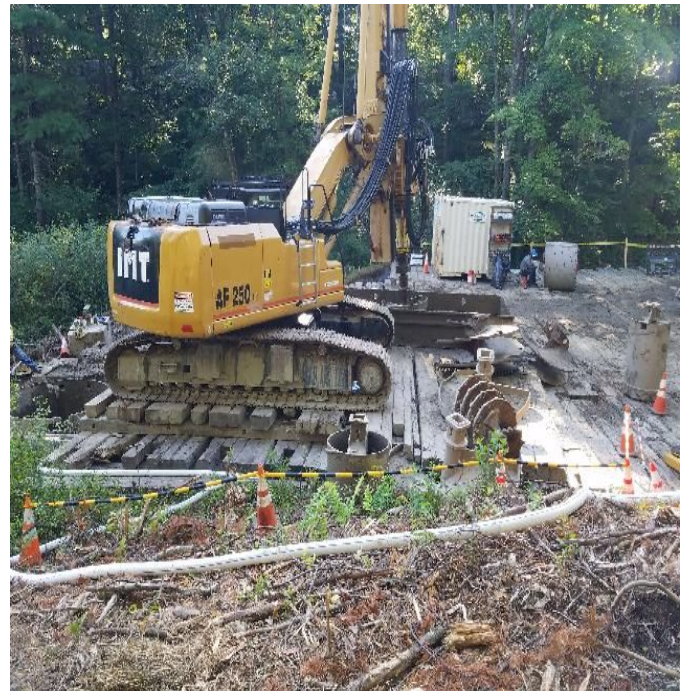


Fig 10: Drilling Str. 28 foundation cont. Viewing east. (8-24-19).



Fig 11: Str. 23 work site. Viewing southeast. (8-26-19).

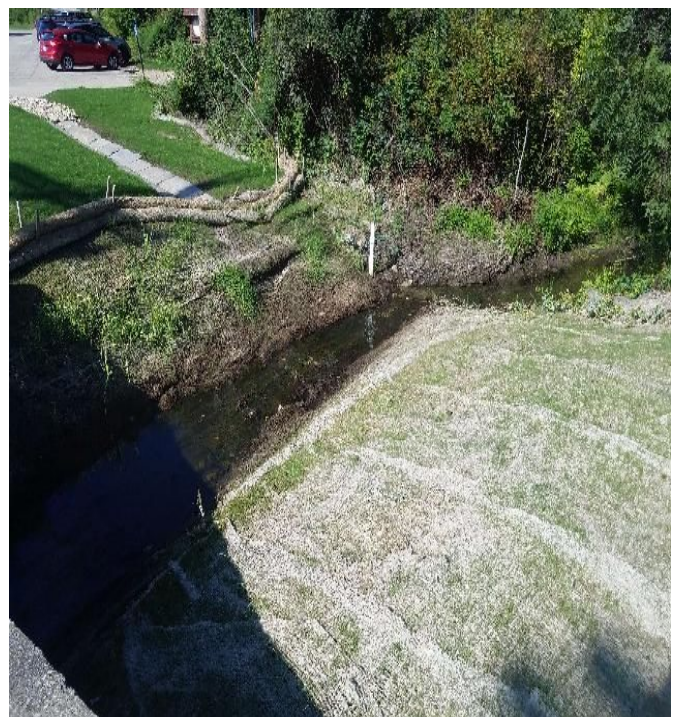


Fig 12: Vegetation on the slopes of College Brook. Viewing south. (8-26-19).

PHOTOGRAPHS



Fig 13: Erosion controls at Gundalow Landing. Viewing north. (8-26-19).



Fig 14: Erosion controls at Gundalow Landing. Viewing south. (8-26-19).



Fig 15: GZA installing PVC for treated water discharge into the Bay. Viewing south. (8-26-19).



Fig 16: Trenching from Nimble Hill Rd into Gundalow Landing. Viewing west. (8-27-19).

PHOTOGRAPHS



Fig 17: Water treatment tanks at Gundalow Landing. Viewing west. (8-27-19).



Fig 18: Prepping to drill Str. 100. Viewing west. (8-28-19).



Fig 19: Wetland NW3 crossing. Viewing southeast. (8-28-19).



Fig 20: Restoration next to the field house at UNH, north of steam pipe. Viewing southeast. (8-28-19).

PHOTOGRAPHS



Fig 21: Swale northeast of Waterworks Rd lot. Viewing east. (8-28-19).

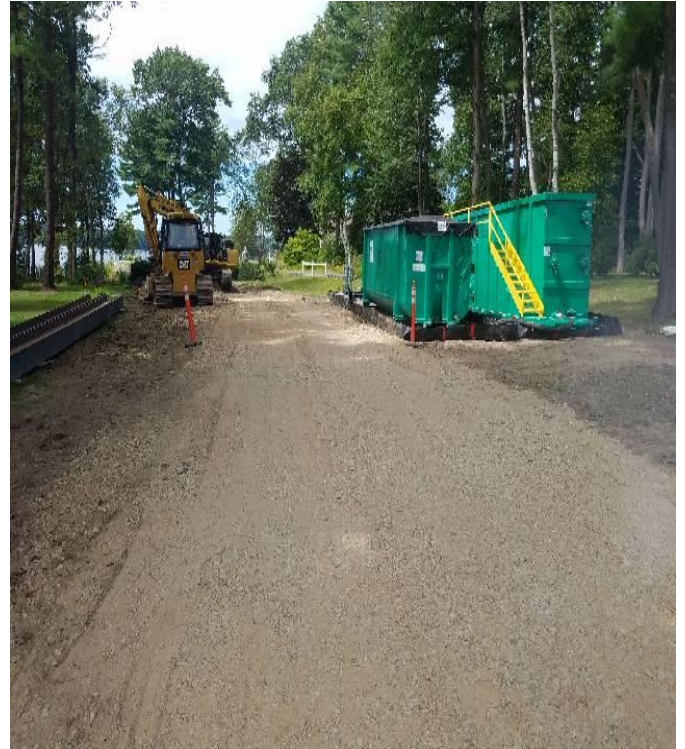


Fig 22: Access road on the Beswick property leading to the Bay. Viewing west. (8-28-19).



Fig 23: Access road at Gundalow Landing. Viewing west. (8-29-19).



Fig 24: Erosion controls installed along Little Bay marsh. Viewing west. (8-29-19).

PHOTOGRAPHS



Fig 25: Second row of erosion controls installed downslope of man hole at Gundalow Landing. Viewing west. (8-29-19).



Fig 26: PVC discharge pipe installed in Little Bay for treated water. Viewing west. (8-29-19).



Fig 27: College Brook after rain event. Viewing west. (8-29-19).



Fig 28: Rain garden at UNH. Viewing west. (8-29-19).

PHOTOGRAPHS



Fig 29: Erosion controls next to field house at UNH, north of the steam pipe. Viewing east. (8-29-19).



Fig 30: Erosion controls installed north of the steam pipe next to the field house at UNH. Viewing southwest. (8-29-19).



Fig 31: Sloped access down to Str. 28. Viewing north. (8-29-19).



Fig 32: Erosion controls downslope of Str. 28 soil stockpile area. Viewing south. (8-29-19).

PHOTOGRAPHS



Fig 33: Trenching from Little Bay Rd to Gundalow Landing. Viewing west. (8-29-19).



Fig 34: Repaired silt fence at Flynn Pit. Viewing west. (8-29-19).



Fig 35: Repaired silt fence at Flynn Pit. Viewing west. (8-29-19).



Fig 36: Cable house has been raised approximately 6in off of foundation. Viewing west. (8-29-19).

PROJECT TEAM

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