



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: **09/19/19** 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: 9-15-19	Amount (inches): 0.06in
	Start date:	Amount (inches):
	Start date:	Amount (inches):

NOTE:
*

Inspector name(s), title(s) and qualifications: **Sean Moriarty, 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 temperatures ranging from the 40's to 70's.**

Weather conditions (time of inspection & future outlook): **Future forecast is mostly clear with the possibility of scattered showers on Monday and Tuesday. Temperatures ranging from the 40's to the 80'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

- Housekeeping, keeping the construction sites/work pads clean is a must! Pick up trash such as cigarette butts, trash, welding rods, etc. This also includes keeping the timber mats clean, the timber mats need to be swept weekly. Disturbed soils are to be mulched, and straw bales inspected and maintained for erosion control. Materials are not to be staged on straw bales. Staged straw bales need to be protected from the weather.

Work completed this week:

- *Portsmouth*
 - *Boulos continues to do work at substation.*
- *Newington*
 - *JCR continues site prep at the Shattuck Road laydown area*
 - *GZA continues to manage soils excavated during trenching and drilling activities.*
 - *McCourt continues site work at Gundalow Landing.*
 - *MJ commenced drilling Str's. 107 and 112.*
- *Durham*
 - *MJ is drilling Str. 99.*
 - *Blue Rock continues to work at the cable house site.*
 - *Supreme continues to clear ROW.*

Erosion and sediment control items and observations:

- **BMPs**
 1. Repairs needed to erosion controls installed at Waterworks Rd parking lot, UNH. Silt fence needs to be trenched in. Repairs are scheduled for next week.
 2. The silt sock at the base of the access road to Str. 28 needs to be replaced, and moved in the future before vehicular access then replaced afterwards. Sediment controls adjacent to the Oyster River need to be monitored and maintained as needed.

Corrective Action

- The sediment that accumulated in the storm water swale northeast of the Waterworks Rd laydown yard was removed down to the existing stone using a vacuum truck on 9/19/19. (see photo 32).

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. As well as repairing silt fence at the same location. Replace silt sock and straw bales at Str 28.

** 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, Cable house
Dense germination: College Brook, Field house at UNH, Strs. 135, 136, 137
Stabilized (85%+ germination): None

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: _____

MARCE JACOBS
CERTIFIED PROFESSIONAL
EROSION & SEDIMENT
CONTROL SPECIALIST
NO. 2017 EXP.

Date: _____ 09/19/19

PHOTOGRAPHS



Fig 1: Mat placement at Str. 107, viewing west (9-12-19).



Fig 2: Cement pouring at Str. 106, viewing south. (9-12-19)



Fig 3: Sand backfill over plastic at Str. 106. Viewing west. (9-12-19).



Fig 4: Trench work near Str. 100. Viewing east. (9-12-19).

PHOTOGRAPHS



Fig 5: Timber mats at Str's 28 and 29. Viewing north. (9-13-19).



Fig 6: Sediment controls adjacent to the Oyster River and Str. 28. Viewing west. (9-13-19).



Fig 7: Looking north towards Str. 29. (9-13-19).



Fig 8: Blu Roc trench on the west side of the Bay. Viewing east. (9-13-19).

PHOTOGRAPHS



Fig 9: Erosion controls on the eastern extent of Blu Roc trench at Str.99. (9-13-19).



Fig 10: Mulching over disturbed soils on the west side of the Bay. (9-13-19).



Fig 11: Erosion controls adjacent to the cable house. Viewing east. (9-13-19).



Fig 12: Drill rig setting up for Str. 31 adjacent to stone wall. Viewing west. (9-13-19).

PHOTOGRAPHS



Fig 13: Drill rig at work at Str. 31 with stone walls protected by plastic. Viewing east. (9-13-19).



Fig 14: Trenching along Gundalow Landing. Viewing west. (9-13-19).



Fig 15: Silt fence along trenching near Str.100 access road south.). Viewing South. (9-13-19).



Fig 16: Cable laydown leading to Str. 100. Viewing east. (9-13-19)

PHOTOGRAPHS



Fig 17: Stabilized Str.31 adjacent to stonewall. (9-14-19).



Fig 18: Cleaned up mats looking north towards Str. 28. (9-14-19)



Fig 19: Mulched soils around Str. 28 adjacent to the Oyster River. (9-14-19).
Viewing west.



Fig 20: Sediment and erosion controls installed downslope of Str. 107.
(9-14-19).

PHOTOGRAPHS



Fig 21: Work at Str. 106. Viewing northwest. (9-14-19).



Fig 22: Erosion controls on the west side of the bay. (9-16-19).



Fig 23: Silt fence downslope from spoil pile at Str. 99. (9-16-19).



Fig 24: Trenching on the east side of the bay. Viewing northeast. (9-17-19).

PHOTOGRAPHS



Fig 25: Backfilled trench at Gundalow Landing. Viewing west. (9-17-19).



Fig 26: Mulched tracks adjacent to matting towards Str. 112. Viewing northeast. (9-17-19).



Fig 27: Erosion controls on the east side of the bay. (9-18-19).



Fig 28: Erosion controls at Str. 112. (9-18-19).

PHOTOGRAPHS



Fig 29: Erosion controls downslope of trench at Str. 99. Viewing east. (9-18-19).



Fig 30: Trenching at Str. 99. Viewing east. (9-18-19).



Fig 31: Repaired area of minor soil disturbance in wetland adjacent to matting associated with Str. 131. No additional corrective actions needed. (9-19-19).



Fig 32: Wetland swale within DW65 following sediment removal. (9-19-19).

PROJECT TEAM

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