



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: **12/14/19** Time: **8:00am** '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: 12-13-19	Amount (inches): 2.98in
	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): **rain, with temperatures in the 50's.**

Weather conditions (time of inspection & future outlook): **Rainy conditions. Future forecast shows subsiding Saturday afternoon with a chance of snow early next week. Temperatures ranging in the 30's and 40'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

- Continued BMP maintenance and upkeep is a constant priority in intertidal zones on both sides of the Bay during cable installment.
- Housekeeping such as sweeping of timber mats and roads is a must.
- All required BMPs need to be installed before construction activities.
- All contractors on site should have a copy of the construction drawings.

Work completed this week:

- *Portsmouth*
 1. *Boulos continues to do work at substation.*
- *Newington*
 - *GZA continues to manage soils excavated during trenching and drilling activities.*
 - *GZA continues to sample and treat groundwater at the Frink farm.*
 - *McCourt finished trenching and restoration at Frink farm. They are cleaning up the work site and preparing to demobilize.*
 - *JCR continues to build access roads.*
 - *Blu Roc began restoration activities at Gundalow landing/east side of the Bay, including on-shore trench.*
 - *Mackworth Environmental continues to maintain turbidity barrier for diver cable burial activities at Gundalow landing/east side of the Bay.*
- *Durham.*
 - *JCR continues to build access roads*
 - *MJ Drilling continues to drill foundation for Str. 85.*
 - *Blu Roc completed restoration of on-shore trench on west side of the Bay.*
 - *Mackworth Environmental continues to maintain turbidity barrier for diver cable burial activities at the Getchell property/west side of the Bay.*

Erosion and sediment control items and observations:

- **BMPs**
 - Soil piles must have sediment controls installed around them. Soil cannot overtop BMPs. See photo 21.
 - BMPs must be installed along access roads in wetlands simultaneous to construction of access roads. See photo 25 below.
 - Filter sock installed in NW18 at Frink farm needs to be installed correctly. See photo 8 below.
 - Straw bales along access road to Str. 99 should extend all the way to and surrounding work pad for Str. 99, as it is shown on the construction drawings. See photo 10 below.
 - Straw bales installed between wetland MW1 and Strs. 5 and 6 were installed last night after construction was complete. Getting proper ground contact at night is questionable. All required BMPs should be installed while building the access roads. Turbid water discharging into wetland MW1 is a result of this. See photos 18, 19 and 20 below.
 - Timber matted access roads are to be swept and maintained. See photo 22 below.
 - If BMPs are damaged during construction or line pulling they need to be replaced or repaired. See photo 24 below.

Corrective Action

- All of above items.

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: Gundalow landing, Strs. 1-8
 Pond location: N/A
 Adjacent surface water or wetland: Little Bay, wetlands MW1 & MW2

Description: See comments below.

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? See comments above.

* 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: Agricultural zone at Frink farm.
 Dense germination: Strs. 135, 136, 137
 Stabilized (85%+ germination): Field house at UNH, Colovos Rd at UNH, College Brook.

Storm Water Conveance. Soil Stabilization. and Storm Water Treatment. Other:

OTHER COMMENTS AND OBSERVATIONS:

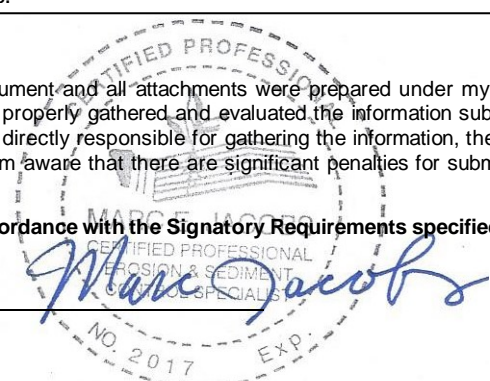
-None other than the above comments.

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: _____ 12/14/19

PHOTOGRAPHS



Fig 1: Restored slope at Gundalow landing/east side of the Bay. Viewing southwest. (12-14-19).



Fig 2: Sediment build up at silt fence. Note undercutting. Turbid water mostly contained by turbidity barrier. Gundalow Landing. Viewing south. (12-14-19).



Fig 3: Restored intertidal substrates at Gundalow landing/east side of the Bay. Viewing west. (12-14-19).



Fig 4: Most of the sediment being contained by the turbidity barrier at Gundalow landing/east side of the Bay. Viewing south. (12-14-19).

PHOTOGRAPHS



Fig 5: Bank eroded away off of Nimble Hill Rd, flooding Frink farm. Viewing east. (12-14-19).



Fig 6: Runoff from Nimble Hill Rd through Frink farm. Viewing west. (12-14-19).



Fig 7: Wetland NW20 at Frink farm. Viewing north. (12-14-19).



Fig 8: Wetland NW18 at Frink farm. Filter sock not installed correctly. Viewing north. (12-14-19).

PHOTOGRAPHS



Fig 9: Knights Brook tributary at Frink farm, no issues. Viewing north. (12-14-19).



Fig 10: Turbid water discharging into wetland DW2, along access road To Str. 99. Viewing west. (12-14-19).



Fig 11: Restoration of slope at Getchell property/west side of the Bay. Viewing east. (12-14-19).



Fig 12: Salt marsh and slope restoration at getchell property/west side of the Bay. Viewing south. (12-14-19).

PHOTOGRAPHS



Fig 13: Salt marsh and slope restoration at Getchell property/west side of the Bay. Viewing south. (12-14-19).



Fig 14: Concrete mattresses installed at Getchell property/west side of the Bay. Viewing wet. (12-14-19).



Fig 15: Str 28, no issues. Viewing north. (12-14-19).

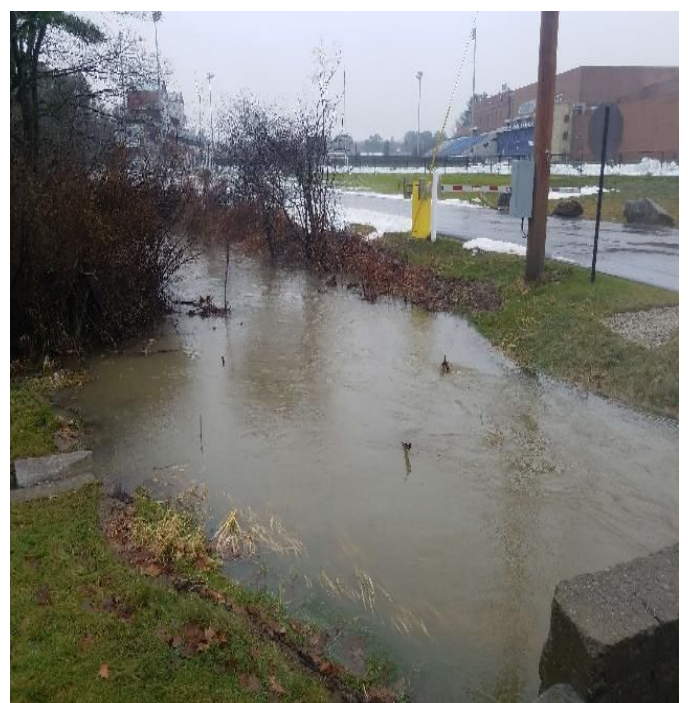


Fig 16: College Brook at UNH, no issues. Viewing east. (12-14-19).

PHOTOGRAPHS



Fig 17: Wetland DW400N iced over, no issues. Viewing south. (12-14-19).



Fig 18: Ruts in access road to Strs. 5 and 6. Viewing south. (12-14-19).



Fig 19: Ruts and exposed soils in access road to Strs. 5 and 6. Viewing south. (12-14-19).



Fig 20: Sediment discharging into wetland MW1 between Strs. 5 and 6. Viewing south. (12-14-19).

PHOTOGRAPHS



Fig 21: Soil pile at Str 1. Sediment overtopping filter sock. Viewing east. (12-14-19).



Fig 22: Turbid water from stockpiled soil flowing under mats around Str. 2. Viewing north. (12-14-19).



Fig 23: Area around Str. 3. No BMPs installed between work pads and wetland MW2. Viewing south. (12-14-19).

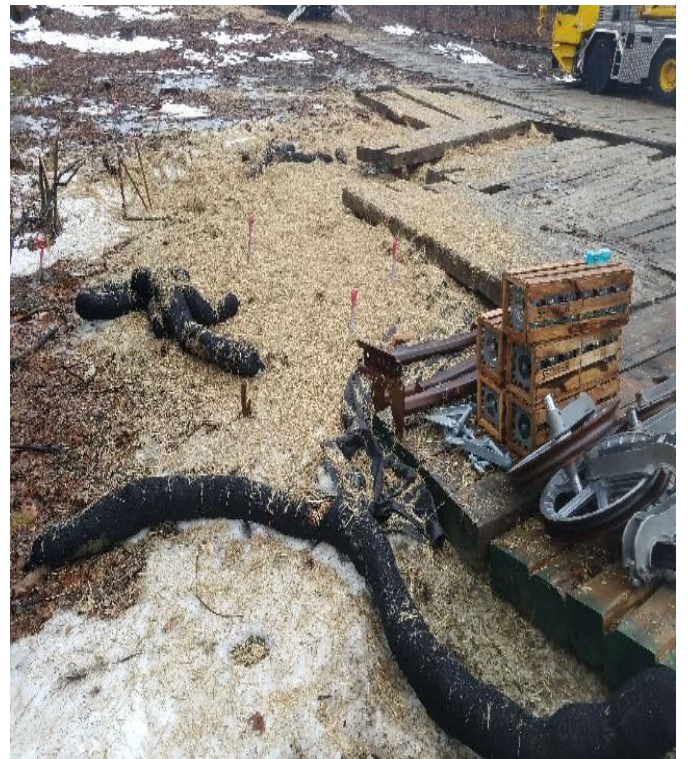


Fig 24: Filter sock around work pad for Str. 8. Viewing south. (12-14-19).

PHOTOGRAPHS



Fig 25: No required BMPs installed along access road through wetland DW93. Viewing south. (12-14-19).

PROJECT TEAM

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