



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: **12/19/19** 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): 2.98
	Start date:	Amount (inches):
	Start date:	Amount (inches):

NOTE: Report for rain event on 12-13-19 was submitted on 12-15-19. In addition, on 12-17-19 there was a 6" snow-only event.
*

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): **Clear, with temperatures in the 30's.**

Weather conditions (time of inspection & future outlook): **Clear conditions. Future forecast shows clear weather, with temperatures in the 30'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*
 - *Boulos continues to do work at substation.*
 - *JCR set cans for Strs. 143-144.*
- *Newington*
 - *GZA continues to manage soils excavated during trenching and drilling activities.*
 - *GZA continues to sample and treat groundwater at the Frink farm.*
 - *Mackworth Environmental continues to maintain turbidity barrier and silt curtain for diver cable burial activities at Gundalow landing/east side of the Bay.*
- *Durham.*
 - *JCR continues to build access roads.*
 - *JCR set cans for Strs. 49-54.*
 - *MJ Drilling continues to drill foundation for Str. 85.*

Erosion and sediment control items and observations:

- **BMPs**
 - Soil pile removed from Str. 1. See photo 15 below.
 - BMPs must be installed along access roads in wetlands simultaneous to construction of access roads. See photos 18-22 & 25 below.
 - Filter sock installed in NW18 at Frink farm has been repaired. See photo 23 below.
 - Straw bales along access road to Str. 99 have been extended all the way to work pad for Str. 99. See photo 24 below.
 - BMPs have been installed around str. 8. See photo 21 below.

Corrective Action

- All items identified in the 12-15-19 report have been addressed, see also comments above.

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: N/A.

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?

** 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:

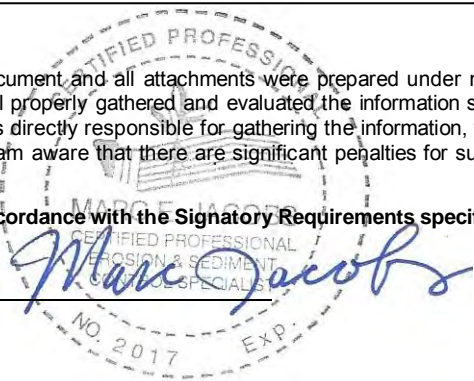
-None other than the above comments.

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: _____ 12/19/19

PHOTOGRAPHS



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



Fig 2: Intertidal restoration at Gundalow landing/east side of the Bay. Viewing south. (12-12-19).



Fig 3: Large diameter stone used for restoring the slope at Gundalow landing/east side of the Bay. Viewing west. (12-12-19).



Fig 4: Restoration of slope at Gundalow landing/east side of the Bay. Viewing east. (12-12-19).

PHOTOGRAPHS



Fig 5: Silt curtain and BMPs installed at Gundalow landing/east side of the Bay. Viewing south. (12-13-19).



Fig 6: Crew installing sediment and erosion controls at Gundalow landing/east side of the Bay. Viewing east. (12-13-19).



Fig 7: Crew installing sediment and erosion controls at Gundalow landing/east side of the Bay. Viewing south. (12-13-19).

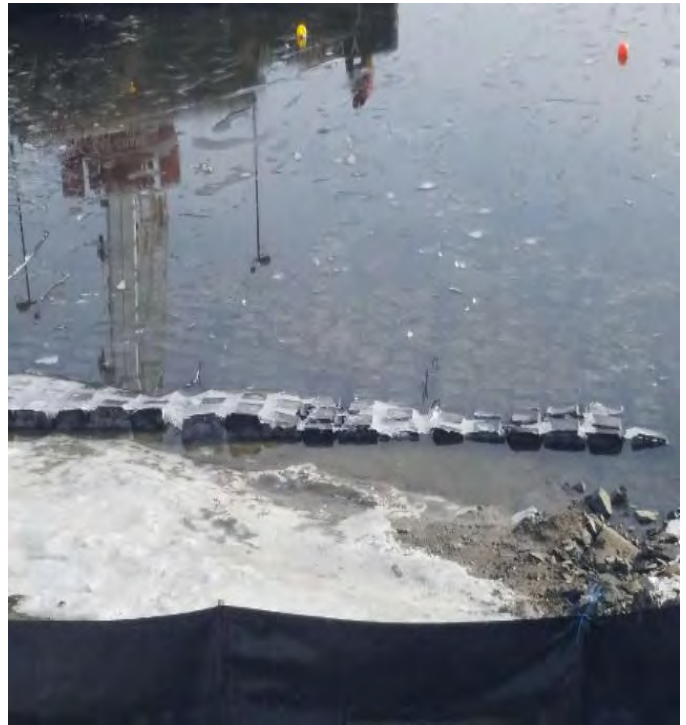


Fig 8: Concrete mattresses in intertidal zone at Getchell property/west side of the Bay. Viewing east. (12-13-19).

PHOTOGRAPHS



Fig 9: Sediment build up behind silt fence at Gundalow landing/east side of the Bay. (Corrections made.) Viewing south. (12-14-19).



Fig 10: Filter sock needed fixing at wetland NW18 at Frink farm. Viewing north. (Corrections made.) (12-14-19).



Fig 11: Sediment discharging into wetland DW2, recommend extending BMPs to this area. (Corrections made.) Viewing west. (12-14-19).



Fig 12: Sediment controls at Gundalow landing/east side of the Bay. Viewing south. (12-15-19).

PHOTOGRAPHS



Fig 13: Crew spreading straw over exposed soils at Gundalow landing/ east side of the Bay. Viewing west. (12-15-19).



Fig 14: Sediment build up behind silt fence removed at Gundalow landing/east side of the Bay. Viewing south. (12-16-19).



Fig 15: Soil pile at Str. 1 has been removed. Exposed soils mulched And BMPs installed downslope. Viewing southwest. (12-16-19).

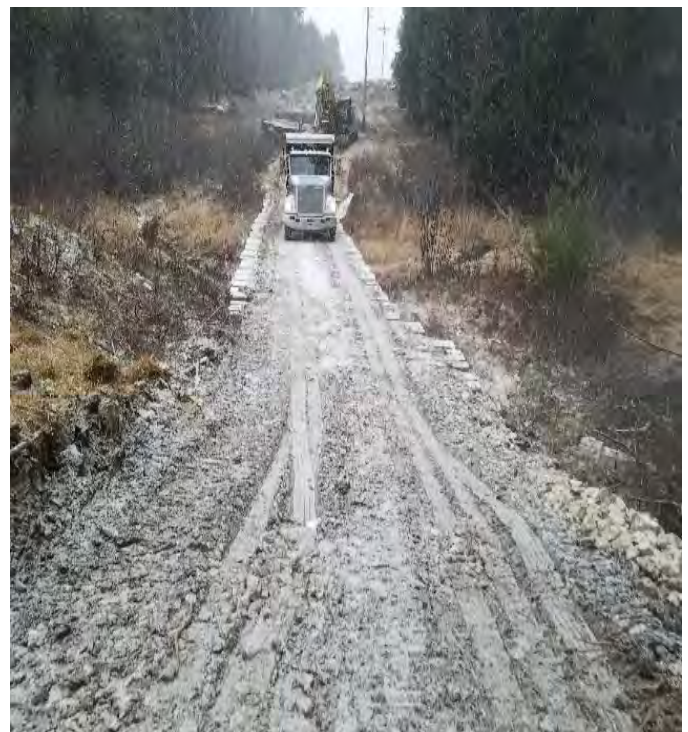


Fig 16: Building access road from Str. 50 to 58. Viewing northeast. (12-17-19).

PHOTOGRAPHS



Fig 17: Building access road through wetland DW33. Viewing northeast. (12-17-19).



Fig 18: Filter sock installed around Str. 1. Viewing southeast. (12-17-19).



Fig 19: Filter sock installed along access road to Str. 3. Viewing south. (12-17-19).



Fig 20: Filter sock installed around Str. 3. Excess mats are removed once line is pulled. Viewing west. (12-17-19).

PHOTOGRAPHS



Fig 21: Filter sock installed around Str. 8. Viewing north. (12-17-19).



Fig 22: Filter sock installed on access road through wetland DW93. Viewing north. (12-17-19).



Fig 23: Filter sock repaired in wetland NW18 at Frink farm. Viewing north. (12-17-19).



Fig 24: Crew extended row of BMPs along access road to Str. 99. Viewing west. (12-18-19).

PHOTOGRAPHS



Fig 25: BMPs installed along access road to Str. 58, between wetlands DW48 and DW50. Viewing southwest. (12-18-19).



Fig 26: Setting can for Str. 54. Viewing east. (12-18-19).

PROJECT TEAM

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