



### 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: **11/27/19** 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: 11-24-19	Amount (inches): 0.73in
	Start date:	Amount (inches):
	Start date:	Amount (inches):

NOTE:  
\* Inspection report for rain event on 11-24-19 is included in this report.

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 40's.**

Weather conditions (time of inspection & future outlook): **Clear, future forecast shows a chance of rain with clear weather following. 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.
- Drip pans should be placed underneath heavy equipment left in proximity to wetlands.

### 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 continues trenching activities from Str 107 to Nimble Hill Rd.*
  - *McCourt continues trenching activities from Str.106 to Nimble Hill Rd.*
  - *JCR continues to build access roads.*
  - *Blu Roc continues maintaining on-shore trench on east side of the Bay.*
  - *Green River Electrical Co. Pulled all three cables from Gundalow landing/east side of the Bay to riser Str. 100.*
- *Durham.*
  - *JCR continues to build access roads.*
  - *MJ finished drilling and poured foundation for Str. 1.*
  - *MJ began drilling foundation for Str. 2.*
  - *Blu Roc backfilled the majority of the onshore trench at Getchell property/west side of the Bay.*
  - *Mackworth Environmental installed turbidity barrier for cable diver burial activities at the Getchell property/west side of the Bay.*
  - *Mackworth Environmental anchored the second turbidity barrier to the barge in the bay to secure it over the long weekend.*

### Erosion and sediment control items and observations:

- **BMPs**
  - Straw needs to be spread over wetland NW20 once trench is backfilled and restored. Please consult with environmental monitor.
  - Straw was broadcast over wetland NW18 and NW16, met the application standards, approved by environmental monitor. See photos 19, 21 and 22 below.
  - Mulch/straw has been spread on slope around Str. 29. See photo 24 below.
  - BMPs have been installed along access roads in wetlands. See photo 5 below.
  - Temporary blankets installed at Getchell property/west side of Bay depicted in Figures 28 and 29 will be replaced with wildlife friendly jute.

### Corrective Action

None

**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?

*\* 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: \_\_\_\_\_

MARGIE JACOB  
CERTIFIED PROFESSIONAL  
EROSION & SEDIMENT  
CONTROL SPECIALIST  
NO. 2017      Exp. 11/27/19

Date: \_\_\_\_\_ 11/27/19

**PHOTOGRAPHS**



Fig 1: Attaching cable to Str. 99 at Getchell property/west side of the Bay. Viewing west. (11-21-19).



Fig 2: Hand jetting for cable burial at Getchell property/west side of the Bay. Viewing east. (11-21-19).



Fig 3: Silt curtains still in place at Gundalow landing/east side of the Bay. Viewing southwest. (11-21-19).



Fig 4: Vault and trench at Gundalow landing/east side of the Bay. Viewing east. (11-21-19).

**PHOTOGRAPHS**



Fig 5: Filter sock installed along access road to Str. 1 and 2. Viewing south. (11-22-19).



Fig 6: Boat cleanup complete at Getchell property/west side of the Bay. Viewing east. (11-22-19).



Fig 7: Crew began backfilling thermal sand over cables in trench at Getchell property/west side of the bay. Viewing west. (11-22-19).



Fig 8: Backfilling soil horizons in agricultural zone at Frink farm. Viewing east. (11-22-19).

**PHOTOGRAPHS**



Fig 9: Direct embed foundations for Str. 110. Viewing east. (11-22-19).



Fig 10: Trench at Frink farm. Viewing east. (11-23-19).



Fig 11: Gundalow landing/east side of the Bay. Viewing west. (11-23-19).



Fig 12: New River Electric Co. positioning cable reel into place at Gundalow landing/east side of the Bay. Viewing west. (11-23-19).

**PHOTOGRAPHS**



Fig 13: MJ drilling at Str. 1. Viewing south. (11-23-19).  
Viewing west.



Fig 14: Tide shifted straw bales installed in trench at Gundalow landing /east side of the Bay. (Corrected each day.) Viewing west. (11-25-19).



Fig 15: Sediment build up behind sediment controls in trench at Gundalow landing/ east side of the Bay. Viewing south. (11-25-19).



Fig 16: Rain water in trench at Frink farm. Viewing east. (11-25-19).

**PHOTOGRAPHS**



Fig 17: Turbidity curtain shifted at Getchell property/west side of the Bay. Viewing east. (11-25-19).



Fig 18: Backfilling trench at Getchell property/west side of the Bay. Viewing west. (11-25-19).



Fig 19: Straw correctly applied over wetland NW16. Viewing east. (11-25-19).



Fig 20: Straw correctly applied over wetland NW16. Viewing west. (11-25-19).



**PHOTOGRAPHS**



Fig 21: Straw correctly applied over wetland NW16. Viewing east. (11-25-19).



Fig 22: Soil spoils from drilling Str. 1 in uplands with filter sock installed around perimeter. Viewing north. (11-26-19).



Fig 23: Backfilling trench at Getchell property/west side of the Bay. Viewing west. (11-26-19).

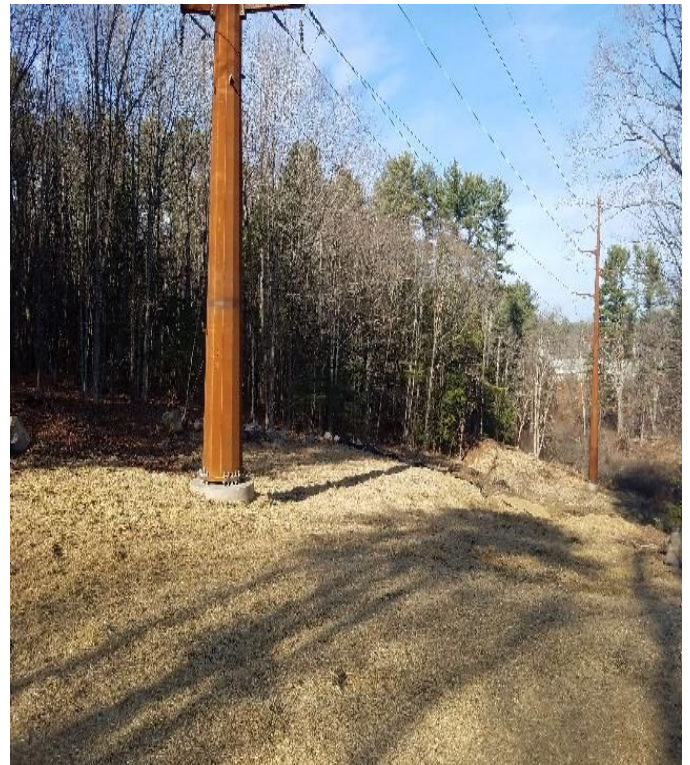


Fig 24: Ground surface around Str. 29 mulched with straw. Viewing north. (11-26-19).

**PHOTOGRAPHS**



Fig 25: Sediment build up removed from BMPs in trench at Gundalow landing/east side of the Bay. Viewing west. (11-26-19).

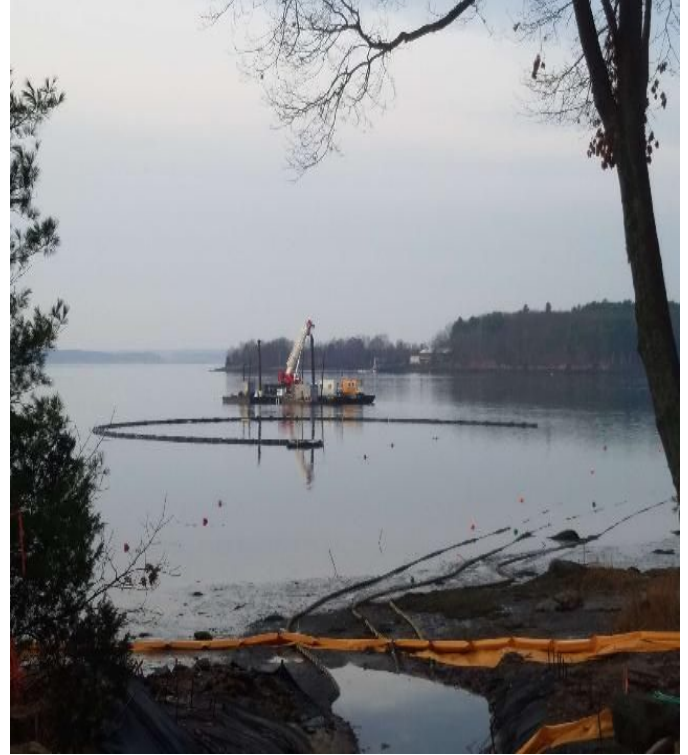


Fig 26: Turbidity curtain anchored to the barge, staged in the Bay until next week. Viewing west. (11-27-19).



Fig 27: Trench at Gundalow landing/east side of the Bay. Viewing west. (11-27-19).



Fig 28: Trench at Getchell property/west side of the Bay backfilled with Temporary erosion blankets installed. Viewing east. (11-27-19).

**PHOTOGRAPHS**



Fig 29: Temporary erosion blanket on restored slope at Getchell property/ west side of the Bay. Viewing west. (11-27-19).

**PROJECT TEAM**

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