



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: **11/06/19** 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: 11-01-19	Amount (inches): 0.47in
	Start date: 11-05-19	Amount (inches): 0.07 in
	Start date:	Amount (inches):

NOTE:
*

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

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

Weather conditions (since last inspection): **Cloudy, with temperatures in the 50's.**

Weather conditions (time of inspection & future outlook): **Scattered clouds with slight snowfall forecasted later in the week. Temperatures in the 40's & 50'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 will be 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.
- Restoration and seeding should be done incrementally and not saved until construction activities are finished.

Work completed this week:

- *Portsmouth*
 1. *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.*
 - *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.*
 - *McCourt began trenching across Nimble Hill Rd.*
 - *JCR continues to build access roads.*
 - *LS Cable finished jet plow for second cable.*
 - *Blu Roc maintaining on-shore trench on east side of the Bay.*
- *Durham*
 - *LS Cable pulled Cable #3 in on-shore trench on the west side of the Bay.*
 - *LS Cable finished jet plow for second cable.*
 - *JCR continues to build access roads*
 - *JCR removed timber mats and restored & hydro-seeded area around Str. 29.*
 - *LS Cable started jet plow for third cable.*

Erosion and sediment control items and observations:

- **BMPs**
 - Silt curtain for the on-shore trenches should be reinstalled immediately after completion of cable pull and preferably before the end of each work day.
 - Some straw was added but additional straw needs to be spread over restored trenched areas at the Frink farm.
 - Silt socks in the wetland area NW 18 at the Frink farm were damaged but have since been replaced.

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:
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:

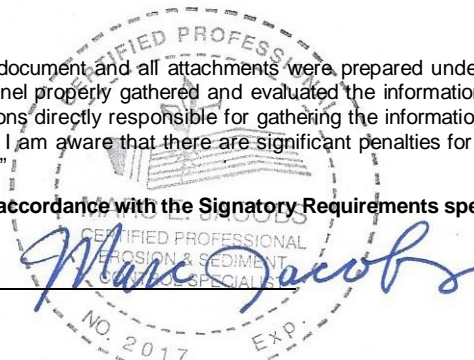
-None other than the above comments.

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: _____ 11/07/19

PHOTOGRAPHS



Fig 1: Silt curtain repaired on the Getchell property/west side of the Bay. Viewing west. (10-31-19).



Fig 2: Silt curtain re-installed at Gundalow landing/east side of the Bay after pulling in Cable 2. Viewing west. (10-31-19).



Fig 3: Triple row of sediment controls in trench at Gundalow Landing/east side of the Bay. Viewing west. (11-01-19).



Fig 4: Triple row of sediment controls in trench at Gundalow Landing/ east side of the Bay. Viewing west. (11-01-19).

PHOTOGRAPHS



Fig 5: Crew placed fabric and stone on access to trench at Gundalow Landing/east side of the Bay. Viewing west. (11-01-19).



Fig 6: Stone swale installed next to trench at Getchell property/ West side of the Bay to divert water flow. Viewing east. (11-01-19).



Fig 7: Bank stabilization in trench at Getchell property/west side of The Bay. Viewing east. (11-01-19).



Fig 8: Filter sock installed around restored trench in NW 16 to protect Knights Brook tributary from sediment laden water. Viewing west. (11-01-19).

PHOTOGRAPHS



Fig 9: Access road to Str. 9-13. Viewing east. (11-02-19).



Fig 10: Access road to Str. 9-13. Viewing east. (11-02-19).



Fig 11: Hydro-seeded area around Str. 29. Viewing north. (11-02-19).



Fig 12: Two cables in trench at Getchell property/west side of the Bay. Viewing east. (11-02-19).

PHOTOGRAPHS



Fig 13: Two cables in trench at Gundalow landing/east side of the Bay. Viewing west. (11-02-19).



Fig 14: Sediment controls in trench at Gundalow landing/east side of the Bay. Viewing south. (11-04-19).



Fig 15: Winter rye germination in agricultural zone of restored trench at Frink farm. Viewing east. (11-04-19).



Fig 16: Beginning to trench through wetland NW18 at Frink farm. Viewing east. (11-04-19).

PHOTOGRAPHS



Fig 17: Floating cable across the Bay. Viewing east. (11-04-19).



Fig 18: Pumping groundwater out of trench in wetland NW18. Viewing west. (11-05-19).



Fig 19: Trenching through agricultural zone at Frink farm. Viewing east. (11-05-19).



Fig 20: All three cables landed on shore at Getchell property/west side of the Bay. Viewing east. (11-05-19).

PHOTOGRAPHS



Fig 21: Landing cable at Getchell property/west side of the Bay Viewing east. (11-05-19).



Fig 22: Sediment controls in trench at Gundalow landing/east side of the Bay. Viewing west. (11-05-19).



Fig 23: Poly sheeting over timber mats at Frink farm. Viewing east. (11-06-19).



Fig 24: Turbidity barrier for hand jetting prior to installation at Getchell property - west side of the bay . Viewing west. (11-06-19).

PHOTOGRAPHS



Fig 25: Deploying the turbidity barrier for hand jetting at the Getchell property Viewing east. (11-06-19).



Fig 26: Silt socks replaced in kind at the Frink Farm at NW18. Viewing north. (11-06-19)



Fig 27: Bare ground under straw mulch at Frink Farm. Viewing north. (11-06-19).

PROJECT TEAM

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