



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: **10/31/19** 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: 10-27-19	Amount (inches): .96in
	Start date:	Amount (inches):
	Start date:	Amount (inches):

NOTE:
* SWPPP inspection report for the 10-27-19 rain event was submitted on 10-29-19.

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): **Slight rain at the time of inspection. Future forecast is scattered rain throughout the week, clearing up this weekend, temperatures ranging in the 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.*
 - *The stream diversion at the Frink farm has been removed.*
 - *JCR continues to build access roads.*
 - *JCR installed a second layer of timber matting on access through Frink farm.*
 - *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 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 continues to remove timber matting and restore area around Strs 28-29.*

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.

Corrective Action

Corrective actions identified 10-23-19 have been addressed on 10-23-19 through 10-26-19. See photos 1-6 and 28.

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:

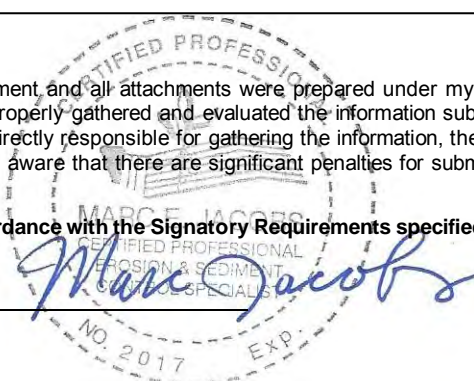
-None other than the above comments.

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: _____ 10/31/19

PHOTOGRAPHS



Fig 1: Berms installed in trench at Gundalow landing/east side of the Bay. Viewing west. (10-25-19).



Fig 2: Berms installed in trench at Gundalow landing/east side of the Bay. Viewing west. (10-25-19).



Fig 3: Trench faces in trench at Gundalow landing/east side of the Bay have been covered and secured. Viewing southeast. (10-25-19).



Fig 4: Straw bales installed in swale next to access to vault and trench at Gundalow landing/east side of the Bay. Viewing west. (10-25-19).

PHOTOGRAPHS



Fig 5: Two rows of silt curtain installed at Gundalow landing/east side of the Bay. Viewing west. (10-25-19).



Fig 6: Vault and trench at Gundalow landing/east side of the Bay. Viewing west. (10-25-19).



Fig 7: Wetland NW 16 and Knights Brook tributary restoration. Viewing east. (10-25-19).



Fig 8: Pulling cable at Getchell property/west side of the Bay. Viewing east. (10-25-19).

PHOTOGRAPHS



Fig 9: Trench in intertidal zone at Gundalow landing/east side of the Bay. Viewing west. (10-28-19).



Fig 10: Sediment controls in trench at Gundalow landing/east side of the Bay. Viewing west. (10-28-19).



Fig 11: Exposed soils covered at Frink farm. Viewing west. (10-28-19).



Fig 12: Beginning to remove stream bypass in Knights Brook tributary. Viewing west. (10-28-19).

PHOTOGRAPHS



Fig 13: Beginning to remove stream bypass in Knight's Brook tributary. Viewing west. (10-28-19).



Fig 14: Removing bypass at Knight's Brook tributary. Viewing west. (10-28-19).



Fig 15: Timber mats are being removed around Strs. 28-29. Viewing north. (10-28-19).



Fig 16: Access road to Str. 99. Viewing east. (10-28-19).

PHOTOGRAPHS



Fig 17: Access road to Str. 99. Viewing east. (10-28-19).



Fig. 18: Knight's Brook tributary flowing after bypass removed. Viewing east. (10-28-19).



Fig 19: Groundwater in trench at Frink farm. Viewing west. (10-29-19).



Fig 20: Restored trench area in agricultural zone at Frink farm. Viewing east. (10-29-19).

PHOTOGRAPHS



Fig 21: Crew installing second row of timber mats on access road at Frink viewing east. (10-29-19).



Fig 22: Crew installing second row of timber mats on access road at Frink farm. (10-29-19).



Fig 23: Crew added more straw cover over restored trench areas at Frink farm. Viewing east (10-29-19).



Fig 24: Knights Brook flowing after by pass removal at Frink farm. Viewing east. (10-29-19).

PHOTOGRAPHS



Fig 25: Trenching from Str. 107 to Nimble Hill road. Viewing west. (10-29-19).



Fig 26: Float fill poured in trench between Str. 107 and Nimble Hill Road. (10-29-19).



Fig 26: Timber mats removed in wetland around Str. 24. Viewing east. (10-29-19).



Fig 27: Access down to vault and trench at Gundalow landing/east side of the Bay. Viewing west. (10-29-19).

PHOTOGRAPHS



Fig 28: Crew removed sediment build up from check dam in trench at Gundalow Landing/east side of the Bay. Viewing south. (10-29-19).



Fig 29: Additional mats and stump grindings added to access road at Frink farm. Viewing east. (10-30-19).



Fig 30: Pumping water out of trench in NW18 at Frink farm. Viewing east. (10-30-19).



Fig 31: Knights Brook restoration. Viewing east. (10-30-19).

PROJECT TEAM

Eversource

Attn: Dena Champy-Eversource Project Manager
Phone: 603-634-2891
Email: dena.champy@eversource.com

Attn: Tom Sullivan-Construction Management
Phone: 078-502-3805
Email: thomas.sullivan@eversource.com

Attn: Joseph Sperry-Eversource Senior Engineer
Phone: 603-634-2562
Email: joseph.sperry@eversource.com

Attn: Kurt Nelson-Eversource Permitting
Phone: 603-714-3031
Email: kurt.nelson@eversource.com

Attn: Lauren Cote-Municipal Outreach
Phone: 603-634-2409
Email: lauren.cote@eversource.com

Attn: Sam Eames-Construction Rep
Phone: 603-915-0073
Email: sam.eames@eversource.com

Attn: Thomas Meister-Construction Rep
Phone: 339-987-7901
Email: Thomas.meister@eversource.com

Attn: Joshua Scott-ROW Safety Mgr
Phone: 603-848-7759
Email: Joshua.scott@eversource.com

Contractors

JCR Utility Construction Co., Inc.
Attn: Matt Moreau-Project Manager
Phone: 603-895-4062
Email: matt.moreau@crutility.com

Attn: Dan Jarry-Superintendent
Phone: 603-238-5523
Email: daniel.jarry@crutility.com

McCourt Construction
Attn: Michael Worhunsy-Project Manager
Phone: 617-293-3864
Email: mworhunsy@mccourtconstruction.com

Attn: Scott Gorman-Safety Director
Phone: 617-828-8822
Email: sgorman@mccourtconstruction.com

Attn: Dan Cedrone-Superintendent
Phone: 617-908-2660
Email: dcedrone@mccourtconstruction.com

Supreme Industries
Attn: Jamieson Boucher
Phone: 860-485-4101
Email: dcedrone@mccourtconstruction.com

GZA
Attn: Lucas Turcotte
Phone: 603-380-5017
Email: lucas.turcotte@gza.com

Environmental Consultant

Normandeau Associates, Inc.
Attn: Matt Smith-Environmental Monitor
Phone: 228-224-0098
Email: msmith@normandeau.com

Attn: Brian Emlaw – Environmental Monitor
Phone: 315-250-2525
Email: bemlaw@normandeau.com

Attn: Marc Jacobs-CPESC, NHCWS
Phone: 603-534-7645
Email: jaconbs2wetsoil2004@yahoo.com

Attn: Sarah Allen-Principal Wetland Scientist
Phone: 603-714-3085
Email: sallen@normandeau.com