



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: **10/10/19** 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: 10-7-19	Amount (inches): 0.68in
	Start date:	Amount (inches):
	Start date:	Amount (inches):

NOTE:
* SWPPP report for the rain event on 10-7-19 was submitted on 10-9-19.

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): **Cloudy with temperatures ranging in the 60's.**

Weather conditions (time of inspection & future outlook): **Cloudy with temperatures in the 50's. Future forecast show scattered showers over the weekend. Temperatures ranging in the 50's and 60'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

- Housekeeping, keeping the construction sites/work pads clean is a must! Picking up trash such as cigarette butts, welding rods, etc.
- Contractors are required to keep and maintain (cover) spare erosion and sediment control materials on site.
- Timber mats need to be maintained.

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 groundwater at the Frink farm.*
 - *McCourt continues to excavate along Gundalow Landing.*
 - *McCourt continues trenching activities at Str 107.*
 - *McCourt continues trenching activities at Str. 106.*
 - *The stream diversion at the Frink farm is installed and functioning well.*
 - *LS Cable completed removal of existing cable in the Bay.*
 - *Blu Rock dug test pits in intertidal zone.*
 - *Blu Rock began excavating the trench below the man hole, in the intertidal zone.*
 - *MJ poured the foundation for Str. 116.*
 - *MJ poured the foundation for Str. 117.*
 - *LS Cable installed silt curtain in the Bay.*
 - *JCR continues to build access roads.*
- *Durham*
 - *Blu Rock hammered ledge in in intertidal zone on the west side of the Bay during low tide.*
 - *Blu Rock spread 6-8in of sand in trench on the west side of the Bay.*
 - *Blu Rock began excavating the trench in the intertidal zone.*
 - *Supreme continues to clear ROW.*
 - *LS Cable removed existing cable in the Bay.*
 - *MJ poured the foundation to Str. 31.*
 - *LS Cable installed silt curtain in the Bay.*
 - *JCR continues to build access roads*

Erosion and sediment control items and observations:

- **BMPs**
 - Cold patch asphalt needs to be removed from the site at Flynn pit. See photo 17 below.
 - Silt fence at Str. 29 has been corrected. See photo 24 below.
 - Sediment and erosion controls at the field house at UNH should be removed. Please consult with Environmental monitor before removing.
 - If stump grindings are used as perimeter sediment controls in wetlands, they need to be removed from the wetlands once finished. They cannot be spread in wetlands.

Corrective Action

- None other than above maintenance.

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 Conveyance, 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: _____ 10/10/19

PHOTOGRAPHS



Fig 1: Trenching from Str. 106. Groundwater accumulation in trench. Viewing east. (10-03-19).



Fig 2: Stripping topsoil in wetland NW16. Viewing east. (10-03-19).



Fig 3: Exposed soils mulched at the Beswick property in Newington. Viewing west. (10-03-19).



Fig 4: Sediment controls installed at the Beswick property in Newington. Viewing west. (10-03-19).

PHOTOGRAPHS



Fig 5: East shore of the bay, near Beswick, after test pits have been dug. Viewing west. (10-04-19).



Fig 6: Sediment controls re-installed after test pits were dug on the east side of the bay near Beswick. Viewing west. (10-04-19).



Fig 7: Final concrete pour for Str. 116 foundation. Viewing southwest. (10-04-19).



Fig 8: Timber matting at Str. 117, prepping to drill. Viewing east. (10-04-19).

PHOTOGRAPHS



Fig 9: Overnight accumulation of groundwater in trench at Str. 106. Viewing west. (10-7-19).



Fig 10: Stream bypass pump, upstream in Knights Brook. Viewing south. (10-7-19).



Fig 11: Duct bank at the Beswick property, Gundalow landing. Viewing west. (10-7-19).



Fig 12: Str. 116 foundation. Viewing northwest. (10-7-19).

PHOTOGRAPHS



Fig 13: MJ drilling Str. 117. Viewing east. (10-7-19).



Fig 14: Blu Rock began excavating trench on the east side of the Bay. Viewing west. (10-7-19).



Fig 15: Dewatering trench at Str. 106. Viewing west. (10-8-19).



Fig 16: Duct bank in trench at Str. 107. Viewing east. (10-8-19).

PHOTOGRAPHS



Fig 17: Cold patch asphalt at Flynn pit. Needs to be removed. Viewing south. (10-8-19).



Fig 18: Rain garden at UNH. Viewing east. (10-8-19).



Fig 19: Installing pipe in trench at Str. 106. Viewing west. (10-8-19).



Fig 20: Blu Rock excavating trench on the west side of the Bay. Viewing east. (10-8-19).

PHOTOGRAPHS



Fig 21: Work pad at Str. 48. Viewing west (10-9-19).



Fig 22: Dewatering basin at Str. 48. Viewing southwest. (10-9-19).



Fig 23: Exposed soils covered at Str. 29. Viewing north. (10-9-19).



Fig 24: Silt fence repaired at Str. 29. Viewing east. (10-9-19).

PHOTOGRAPHS



Fig 25: Duct bank in trench at Str. 106. Viewing east. (10-9-19).



Fig 26: Removing trench boxes at Str. 106. Viewing east. (10-9-19).



Fig 27: Duct bank at Str. 107. Viewing east. (10-9-19).

PROJECT TEAM

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