



### 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: **10/24/19** 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: 10-22-19	Amount (inches): 1.58in
	Start date:	Amount (inches):
	Start date:	Amount (inches):

NOTE:  
\*

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 rain, temperatures ranging in the 50's and 60's.**

Weather conditions (time of inspection & future outlook): **Cloudy with temperatures in the 50's. Future forecast shows a chance of rain later in the week. Temperatures ranging in the 40's and 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 constant priority in intertidal zones on both sides of the Bay during cable installment.
- Housekeeping is a must. There is too much observed trash on the job sites.
- Any restored areas available to be seeded should be done now as the window for germination is closing rapidly.
- 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.*
  - *McCourt continues trenching activities from Str. 106.*
  - *The stream diversion at the Frink farm is installed (and scheduled to be removed next week).*
  - *LS Cable finished first jet plow activity to bury cable in Bay.*
  - *JCR continues to build access roads.*
  - *LS Cable reinstalled silt curtain in the Bay.*
  - *Blu Rock assists with cable pulling in trench on east side of the Bay.*
- *Durham*
  - *Blu Rock assists with cable pulling in trench on the west side of the Bay.*
  - *LS Cable finished first jet plow activity to bury cable in Bay.*
  - *JCR continues to build access roads*
  - *JCR began removing timber matting around Str 28.*

### Erosion and sediment control items and observations:

- **BMPs**
  - McCourt removed all sediment and erosion controls at UNH.
  - Silt curtain should be reinstalled before each rain event and preferably before the end of each work day.
  - Knights Brook and wetland NW16 need to be restored and seeded.
  - The areas around Strs. 26, 27, 28, 29 and dewatering basin near Str. 32 need to be restored and seeded.

### Corrective Action

- Trench at the Beswick property partially collapsed due to the 10-23-19 rain event, causing visual plumes of sediment and turbid water into the Bay (crews were notified and responded in a timely manner to temporarily repair these issues). We are working together to develop and implement a plan to minimize sediment loss from adjacent uplands into tidal waters. See photos 13, 14, 15, 20, 21, 22 below.
- Turbid water visible in Knights Brook around stream diversion pump. Turbidity is a result of ruts near Str. 106. See photos 17, 18, 19. Tamp down ruts and re-mulch.





**PHOTOGRAPHS**



Fig 1: Pumping water out of trench and into frack tank at Frink farm. Viewing east. (10-21-19).



Fig 2: Trenching activities at Frink farm. Viewing east. (10-21-19).



Fig 3: Float fill poured on duct bank in trench at Str. 107. Viewing west. (10-21-19).



Fig 4: Access to man hole on the east side of the Bay at the Beswick property. Viewing west. (10-21-19).



**PHOTOGRAPHS**



Fig 5: Sediment controls on the east side of the Bay at the Beswick property. Viewing west. (10-21-19).



Fig 6: Silt curtain installed on the east side of the Bay. Viewing west. (10-21-19).



Fig 7: Silt curtain installed on the east side of the Bay. Viewing west. (10-21-19).



Fig 8: Assembling pipe in trench at Frink farm. Viewing east. (10-22-19).



**PHOTOGRAPHS**



Fig 9: Pulling the cable at the Getchell property. Viewing east. (10-22-19).



Fig 10: Pulling the cable at the Getchell property. Viewing east. (10-22-19).



Fig 11: Matted access road through wetland DW6. Viewing west. (10-22-19).



Fig 12: Poured duct bank in trench at Frink farm. Viewing east. (10-22-19).



**PHOTOGRAPHS**



Fig 13: Visible turbidity plume in the Bay at Beswick property. (10-23-19).  
Viewing southwest. (10-23-19).



Fig 14: BMP failure around cable location. Viewing southwest.  
(10-23-19).



Fig 15: Trench walls washed out at Beswick Property. Viewing west.  
(10-23-19).



Fig 16: Approximately 1.5ft of water on top of float fill in trench at  
Frink farm. Viewing east. (10-23-19).



**PHOTOGRAPHS**



Fig 17: Turbidity visible around stream bypass pump in Knights Brook. Viewing south. (10-23-19).



18: Ruts in previously restored area near Str. 106 causing sediment loss. Viewing west. (10-23-19).



Fig 19: Turbid water, a result of the rutting near Str. 106. Viewing east. (10-23-19).



Fig 20: LS Cable and Blu Rock on site to patch sediment and erosion Controls at Beswick Property. Viewing west. (10-23-19).



**PHOTOGRAPHS**



Fig 21: Temporary repairs made to sediment and erosion controls at Beswick property. Viewing west. (10-23-19).



Fig 22: Temporary repairs made to sediment and erosion controls at Beswick property. (10-23-19).



Fig 23: JCR removing timber mats around Str. 28. Viewing south. (10-23-19).



**PROJECT TEAM**

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