



### CONSTRUCTION MONITORING REPORT

Eversource Transmission Lines:  
**F107**

**TYPE OF INSPECTION:**     Weekly     Storm Event     Incident     Corrective Action

Date: **08/08/19**    Time: **12:00pm**    '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: 8-07-19	Amount (inches): 1.51in
	Start date:	Amount (inches):
	Start date:	Amount (inches):

NOTE:  
\* Yesterday's rain event inspection is included in this report.

**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**

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): **Mostly clear with a heavy rain event (8-07-19), resulting in 1.51in of rain. Temperatures ranging from the high 80's to the 90's.**

Weather conditions (time of inspection & future outlook): **Future forecast is mostly clear. Temperatures ranging in the 80'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

- Normandeau continues to conduct wildlife sweeps prior to timber matting installation. Afterwards it is the contractor's responsibility to conduct wildlife sweeps prior to daily activities in those areas.

### Work completed this week:

- *Portsmouth*
  1. *Boulos continues to do work at substation.*
- *Newington*
  - *JCR continues to work on access road to Str. 102, near Flynn Pit.*
- *Durham*
  - *McCourt began trenching across the road to Gregg Hall.*
  - *McCourt began installing duct bank for sweeps "A" lot.*
  - *McCourt finished the stream restoration.*
  - *GZA continues to manage soil stockpile area in "A" lot and Waterworks Rd laydown area.*
  - *MJ began drilling foundation for Str. F107-24 & 32.*
  - *JCR began site prep and clearing at the Shattuck Road laydown area.*
  - *JCR continues to work on building access routes:*
    - *Access to Str. 102*
    - *Access from the water tower to Foss Farm.*
  - *Supreme continues to clear ROW.*
  - *Gratan began installing metal guide rails at the cable house.*

### Erosion and sediment control items and observations:

- The roads at UNH need to be swept. Sweeping may need to take place on a daily basis.
- Spare erosion control materials are required to be stored on site in case of emergencies and repairs.
- **BMPs**
  1. Straw bales should be installed in south of the silt fence in low area in Waterworks Rd laydown yard. See photo 8 below.
  2. Silt fence and perimeter fence installed at the Waterworks Rd laydown yard needs repair. Soil and stone has overtopped the silt fence and has punctured the perimeter fence. Soil needs to be pulled back. See photographs 26 & 27 below.
  3. Straw bales along Gregg Hall Rd trenching activities need to be installed tightly together, currently there are significant gaps.
  4. Newly constructed dewatering apparatus needs repair. The use of Marafi type fabric was installed instead of the geotextile filter fabric that was previously used. See photographs 12 and 23 below.
  5. Erosion control liner in College Brook needs to be toed in. See photo 24 below.
  6. Minor repairs need to be made to the silt fence around Flynn Pit.
  7. Minor slope stabilization at the cable house and additional filter sock needs to be installed. See photos 21 & 22 below.
  8. Slopes of rain garden need repair. Slope erosion due to rain event. See photo 25 below.

### Corrective Action

- Yes, see items 1,2 and 4 above. Others are routine 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: UNH  
Pond location: N/A  
Adjacent surface water or wetland: College Brook and dewatering basin near Str.23.

**Description:** See comments above.

**TEMPORARY EROSION AND SEDIMENT CONTROLS (TESC)**

Installed and functioning per the SWPPP?       YES       NO       N/A (See erosion control installation/repair items above)

Are any corrective actions required?       YES       NO if so, please describe? **See comments above.**

*\* 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: Structures. F107-134, 135 and 137, Colovos Rd at UNH have germination.

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: \_\_\_\_\_

MARC E. JACOBS  
CERTIFIED PROFESSIONAL  
EROSION & SEDIMENT  
CONTROL SPECIALIST  
NO. 2017      Exp.

Date: \_\_\_\_\_ 8/08/19



**PHOTOGRAPHS**



Fig 1: Upstream view of College Brook restoration. Viewing west. (8-01-19).



Fig 2: College Brook restoration. Viewing north. (8-01-19).



Fig 3: Wetland DW49 and work pad for Str. 28. Viewing north. (8-01-19)



Fig 4: Work pad over wetland DW49 and slope adjacent to wetland DW49. Viewing south. (8-01-19).



**PHOTOGRAPHS**



Fig 5: MJ drilling for Str. 21. Viewing east. (8-02-19).



Fig 6: Filter fabric placed in between timber matting work pad for Str. 28. (8-02-19).



Fig 7: Work pad for Str. 29. Viewing south. (8-02-19).



Fig 8: Straw bales installed in the wrong location in the Waterworks Rd laydown yard. Viewing east. (8-03-19).



**PHOTOGRAPHS**



Fig 9: Gratan placing steel beams around the cable house. Viewing south. (8-03-19).



Fig 10: McCourt installing conduit for sweep to Str. 22. Viewing south. (8-05-19).



Fig 11: Filter sock installed on the east side work pad at Str. 28. Viewing north. (8-05-19).



Fig 12: Dewatering apparatus installed near Str. 23 for McCourt's trenching activities. Viewing east. (8-05-19).



**PHOTOGRAPHS**



Fig 13: 380 line push brace temporarily installed in wetland DW67 with minimal wetland impacts. Viewing south. (8-05-19).



Fig 14: Existing structure in wetland DW65 removed. Viewing south. (8-05-19).



Fig 15: Crew actively installing access road off of Foss Farm road. Viewing northeast. (8-06-19).



Fig 16: Dewatering basin next to drilling activities at Str. 32. Viewing east. (8-06-19).



**PHOTOGRAPHS**



Fig 17: Beginning to trench across the road leading to Gregg Hall. Viewing north. (8-06-19).



Fig 18: Trenching activities across Gregg Hall Rd. Viewing north. (8-07-19)



Fig 19: Newly built dewatering apparatus used for trench dewatering. Viewing south. (8-07-19).



Fig 20: Constructing access road in the Shattuck laydown yard. Viewing west. (8-07-19)



**PHOTOGRAPHS**



Fig 21: Slope erosion at cable house. Viewing west. (8-08-19)



Fig 22: Slope erosion at cable house cont. Viewing west. (8-08-19).



Fig 23: Newly installed dewatering apparatus for trenching activities through Gregg Hall Rd. Viewing east. (8-08-19).



Fig 24: Restored section of College Brook. Viewing south. (8-8-19).



**PHOTOGRAPHS**



Fig 25: Slope erosion at the rain garden. Viewing northeast. (8-08-19).



Fig 26: Waterworks Rd laydown yard. Viewing east. (8-08-19).



Fig 27: Waterworks Rd laydown yard. Viewing east. (8-08-19).



**PROJECT TEAM**

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