



### 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: **07/25/19** 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: 7-22-19	Amount (inches): 1.43
	Start date:	Amount (inches):
	Start date:	Amount (inches):

NOTE:  
\* Inspection report for the above rain events was submitted on 7-24-19.

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): **Mostly clear with rain events (7-22-19 through 7-23-19), temperatures ranging from the high 70's to the high 80's.**

Weather conditions (time of inspection & future outlook): **Future forecast is mostly clear with some scattered clouds. Temperatures ranging in the 80's and 90'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

- None

### Work completed this week:

- *Portsmouth*
  - *Boulos continues to do work at substation.*
- *Newington*
  - *None*
- *Durham*
  - *Soil is stockpiled in the Waterworks Rd laydown area.*
  - *McCourt continues to fuse pipe and assemble duct bank along Colovos Rd.*
  - *McCourt continues to excavate towards Str. 23.*
  - *McCourt plans to finish the approved stream restoration plan by the end of the week.*
  - *GZA continues to manage soil stockpile area in "A" lot and Waterworks Rd laydown area.*
  - *Soil continues to be hauled out of Waterworks Rd laydown area.*
  - *MJ began to begin drilling at Str. F107-23.*
  - *Supreme continues to clear ROW.*

### Erosion and sediment control items and observations:

- Soil from structures 23 and 24 are being spread and reworked into the slope near structure 27; this plan was approved by UNH and Eversource. Erosion controls have been installed downslope of this area. See photo 20 below.
- **BMPs**
  - Additional erosion controls are required at Gundalow Landing (straw bale and silt fencing). See photo 16 below.
  - Straw bales need to be installed between trench location and wetland DW69 before work can continue in that area. See photo 19 below.
  - Straw bales should be installed in front of the silt fence in low area in Waterworks Rd laydown yard. See photo 17 below.
  - Straw wattle are no longer an approved BMP. The use of stump grindings, BioWattle, filter socks, or woven jute matting if necessary are approved replacement BMPs.

### Corrective Action

- None, other than the 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:  
Pond location: N/A  
Adjacent surface water or wetland:

Description:

**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 (PESC)**

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 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: \_\_\_\_\_

Date: \_\_\_\_\_ 7/25/19

**PHOTOGRAPHS**



Fig 1: MJ staging equipment, prepping to drill Str. 23. Viewing south. (7-18-19).



Fig 2: Temporary filter fabric and stone installed in College brook. Viewing west. (7-18-19).



Fig 3: Wetland DW47 and stonewall WP-9A crossing. Viewing south. (7-19-19).



Fig 4: Str. 24 work pad within wetland DW65. Viewing south. (7-19-19).

**PHOTOGRAPHS**



Fig 5: Concrete wash out station with perimeter BMPs installed. Viewing southeast. (7-19-19)



Fig 6: Foss Farm access road, near graveyard. Viewing east. (7-19-19).



Fig 7: Air bridge over stone wall WP-9. Viewing northeast. (7-19-19).



Fig 8: Gratan removing debris from around the cable house. Viewing south. (7-19-19).

**PHOTOGRAPHS**



Fig 9: Stone wall WP-36. Viewing west. (7-19-19).



Fig 10: McCourt pouring concrete for duct bank in trench along Colovos road. Viewing north. (7-22-19).



Fig 11: MJ drilling Str. 23. Viewing north. (7-22-19).



Fig 12: Vegetation growth on slopes in College Brook observed. Viewing west. (7-22-19).

**PHOTOGRAPHS**



Fig 13: Timber matting over northern portion of wetland DW58. Viewing south (7-22-19).



Fig 14: Downstream view on west side of temporary mat bridge over Stream DS60. Viewing north. (7-22-19).



Fig 15: Timber matting for work pad, with BMP installation at Str. 24. Viewing southeast. (7-22-19).



Fig 16: Gundalow Landing erosion controls, additional fence and bales are required. Viewing northeast. (7-23-19).

**PHOTOGRAPHS**



Fig 17: Low area in Waterworks Rd laydown yard that requires straw bales. Viewing north. (7-23-19).



Fig 18: MJ is drilling Str. 23, next to wetland DW67. Viewing west. (7-23-19).



Fig 19: Wetland DW69, location of where straw bales need to be installed. Viewing east. (7-23-19).



Fig 20: Silt fence on the downslope area where soils are being Spread near Str. 27. Viewing north. (7-23-19).



**PHOTOGRAPHS**



Fig 21: Pouring float fill in trench, north of College Brook. Viewing north. (7-24-19).



Fig 22: BMP installation south of Oyster River. Viewing north. (7-24-19).



Fig 23: Stonewall WP-4B & WP-4C, viewing north towards Str. 30. (7-24-19).



Fig 24: Dewatering basin at Str. 32. Viewing south. (7-24-19).

**PHOTOGRAPHS**



Fig 25: 25'X50'X4' dewatering basin, lined with filter fabric. Viewing south.  
(7-24-19).

**PROJECT TEAM**

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