

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: **07/23/19** Time: **12:00pm** 'Does this inspection 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: 07/22/19	Amount (inches): 1.43in
	Start date:	Amount (inches):
	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): **Clear with scattered clouds, temperatures ranging from the high 70's to the high 80's.**

Weather conditions (time of inspection & future outlook): **Heavy rain at the time of inspection. Future forecast is mostly clear with scattered clouds, temperatures ranging in the 70's and 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

- 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 dumped 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 photos 9 & 10 below.
- The water in College Brook downstream of the work activity continues to be less turbid than water upstream.
- **BMPs**
 - The temporary filter fabric and stone lined stream bed in College Brook is working well. It will be deconstructed when McCourt finishes restoring College Brook.
 - Silt fence in Waterworks Rd laydown area isn't fully preventing sediment from flowing through. I recommend install three straw bales in front of silt fence in that area to help filter sediment, see photo 8 below.
 - Additional erosion controls are required at Gundalow Landing (straw bale and silt fencing). Please make this a priority and consult Sam Eames or myself with any questions regarding the installation of the additional erosion controls. Photo 1 below depicts the current site conditions.
 - Straw bales need to be installed between trench location and wetland DW69 before McCourt can continue to trench in that area. See photo 5 below.
 - Straw wattles were installed on the top of College Brook banks as a preventative measure to filter sediment latent trench water from running into College brook if water overtopped the trench. See photo 2 below.

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: College Brook and Waterworks Rd laydown area
Pond location: N/A
Adjacent surface water or wetland: College Brook & wetland DW65.

Description: Due to the rain event the water in College Brook is turbid. Although College Brook is turbid, downstream is slightly better than upstream. See photos 3 & 4 below.

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 above comments.

** 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: _____

MARC E. JACOBS
CERTIFIED PROFESSIONAL
EROSION & SEDIMENT
CONTROL SPECIALIST
NO. 2017 Exp. 7/23/19

Date: _____ 7/23/19

PHOTOGRAPHS



Fig 1: Gundalow Landing erosion controls, additional fence and bales are required. Viewing northeast (7-23-19).



Fig 2: College Brook. High water flow due to the rain event. Viewing west. (7-23-19).



Fig 3: College Brook, downstream of work activity. Viewing east. (7-23-19).



Fig 4: College Brook, upstream of work activity. Viewing west. (7-23-19).

PHOTOGRAPHS



Fig 5: Wetland DW69, location of where straw bales need to be installed. Viewing east. (7-23-19).



Fig 6: MJ drilling Str. 23, next to wetland DW67. Viewing west. (7-23-19).



Fig 7: Erosion controls installed between drilling activities for Str. 23 and wetland DW67. Viewing west. (7-23-19).



Fig 8: Area in Waterworks Rd laydown yard where straw bales are recommended. Viewing north. (7-23-19).

PHOTOGRAPHS



Fig 9: Area near Str. 27 where soil from Str. 23 & 24 are being spread. Viewing north. (7-23-19).



Fig 10: Silt fence installed on the downslope area of where soils are being spread. Viewing north. (7-23-19).



Fig 11: Filter sock installed around Str. 22. Viewing south. (7-23-19).

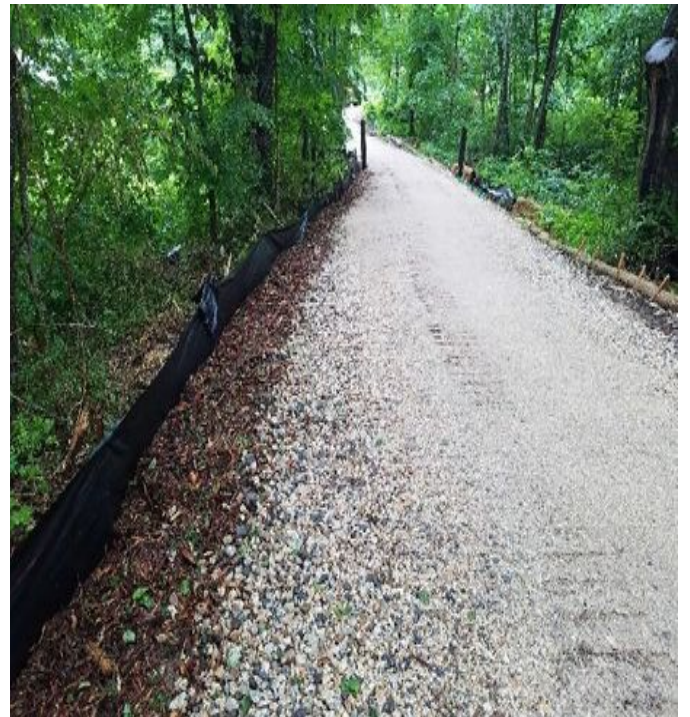


Fig 12: Improved Mill Rd access road. Viewing south. (7-23-19).



Fig 13: Straw bales installed between Str.28 and Oyster River. Viewing north.
(7-23-19).

PROJECT TEAM

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