



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: **06/20/19** Time: **12:00pm** Was this inspection triggered by 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: 06/13/19	Amount (inches): 0.50in*
	Start date: 06/16/19	Amount (inches): 0.27in
	Start date:	Amount (inches):

NOTE:
*SWPPP for storm event on 6-13-19 was submitted on 6-14-19.

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 scattered clouds with some rain Thursday night and Sunday night.**

Weather conditions (time of inspection & future outlook): **Forecast is cloudy with rain predicted for tonight and into Friday morning, temperatures in the 60's and 70'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:

PROJECT TEAM

Eversource

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General Comments

- Most construction activities, besides McCourt's work are on hold until the Army Corps permits come through.

Work completed this week:

- *Portsmouth*
 - *Boulos continues to do work at substation.*
- *Newington*
 - *None*
- *Durham*
 - *McCourt continues to excavate, fuse pipe, assemble conduit and assembling duct bank in "A" lot.*
 - *McCourt finished hammering ledge next to the field house.*
 - *McCourt began excavating for duct bank next to the field house at UNH. Soil is stockpiled in the Waterworks Rd laydown area.*
 - *McCourt finished excavating for the jacking pit.*
 - *Maine drilling and blasting finished their blasting activities.*
 - *GZA continues to manage soil stockpile area in "A" lot.*
 - *Soil is being hauled out of "A" lot as well as Waterworks Rd laydown area.*
 - *Midwest Mole is onsite prepping for drilling activities in jacking pit.*
 - *Supreme Inc. began tree clearing at Gundalow landing. On hold for now.*

Erosion and sediment control items and observations:

- The soil that is stockpiled in the Waterworks Rd laydown area overtopped the straw waddles that they had in place. McCourt was instructed to install silt fence around any soil stockpiles.
- **BMPs**
 - McCourt will install a silt fence on the north side of the Waterworks Rd laydown yard, between the soil stockpile and wetland DW65. This will protect the wetland from any soil runoff from the laydown area. McCourt was instructed to key the silt fence into the ground, leaving no space between the fence and the ground surface. This corrective maintenance will be done by the end of the day (6-20-19) in preparation for Thursday's rain event.
 - Again the contractors have been reminded that they need to have spare BMP supplies on hand in case of emergencies. These spare supplies should be kept dry at all times; this is a requirement of the BMPs, Eversource and DES.

Corrective Action

- McCourt and I discussed leaving the dewatering apparatus as is for now until additional straw bales arrive on site. The trench dewatering plan is to slowly discharge water from the trench along Colovos Rd into the folded up filter bag that will be placed inside the already constructed dewatering apparatus. I will be on site during the initial start of dewatering the trench to inspect the dewatering activities. If the filter bag or the dewatering apparatus isn't properly filtering out the water from the trench then McCourt will stop pumping water and expand the dewatering apparatus to an approximate size of 14'X14' to encase the 12'X12' filter bag that they are using. This will give the filter bag more room to expand within the apparatus and more efficiently filter the discharged water, see fig 2 below.

PHOTOGRAPHS



Fig 1: Combined berm installed around laydown area off of Gosling Rd. Viewing south. (6-14-19).



Fig 2: Dewatering apparatus installed along Colovos Rd, north of College Brook, UNH. Viewing northeast. (6-14-19).



Fig 3: Rain water present in trench along Colovos Rd, UNH. Viewing south. (6-17-19).



Fig 4: Pump truck used to pump out rain water from trench in "A" lot. Viewing south. (6-17-19).

PHOTOGRAPHS



Fig 5: Straw bales stored in lay down area off of Gosling Rd in open area need To be covered. Viewing east. (6-18-19).



Fig 6: McCourt installing pipe and duck bank in "A" lot. Viewing south. (6-17-19).



Fig 7: McCourt finalized the jacking pit in "A" lot. Viewing south. (6-18-19)



Fig 8: Soil stockpile in Waterworks Rd laydown area overtopped the Straw wattle. Viewing east. (6-17-19).

PHOTOGRAPHS



Fig 9: McCourt installed silt fencing and straw waddle between the soil stockpile In Waterworks Rd and wetland DW65. Maintenance needed, see above. Viewing east. (6-17-19).



Fig 10: Silt fence installed in the Waterworks Rd laydown area needs to be keyed into the ground, see above. Viewing east. (6-18-19).

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: NA
Pond location: N/A
Adjacent surface water or wetland: NA

Description:

TEMPORARY EROSION AND SEDIMENT CONTROLS (TESC)

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

If not, explain necessary repairs or other maintenance to be taken for each of the following categories. Detail what needs to be done, in what location, and what has been corrected since the last monitoring inspection.

Erosion prevention (stabilize exposed soils):
Runoff control (direct storm water):
Sediment control (clean up sediment/sediment-laden storm water): See comments 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.

Storm Water Conveyance, Soil Stabilization, and Storm Water Treatment, Other: Maintenance needs to be done on erosion & sediment controls.

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: _____ 6/20/19

