



### 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: **06/13/19**    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: 06/10/19	Amount (inches): 0.50in
	Start date:	Amount (inches):
	Start date:	Amount (inches):

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 heavy rain Monday night into Tuesday.**

Weather conditions (time of inspection & future outlook): **Forecast is mostly cloudy with rain and scattered showers Thursday and Sunday, 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**

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### General Comments

- Crews did not work at UNH Friday June 7<sup>th</sup> due to the Special Olympics event at UNH.
- The Doucet crew spotted a painted turtle and a predated turtle nest while working off of Durham point Rd, across from driveway 283. See photos 17 & 18.

### Work completed this week:

- *Portsmouth*
  - *Boulos continues to do work at substation.*
- *Newington*
  - *MJ cleaned up the area around Str. F107-139.*
- *Durham*
  - *McCourt is assembling duct bank in A lot.*
  - *McCourt constructed a temporary road next to the field house.*
  - *McCourt assembled the trench box for jacking pit in A lot.*
  - *McCourt began excavation of receiving pit next to the field house.*
  - *Maine drilling and blasting continue to hammer ledge north and south of the steam pipe.*
  - *GZA continues to manage soil stockpile area in A lot.*

### Erosion and sediment control items and observations:

- No major issues with BMPs installed at this time, all require no or minimal maintenance. A new water discharge BMP basin was constructed north of College Brook, see below.
- **BMPs**
  - McCourt installed a dewatering discharge BMP structure next to Colovos Rd, north of College Brook. I did not see a filter bag installed as had been discussed; this bag is on order. The BMP structure may need to be built larger when the crew begins to pump water into the filter bag encased within the BMP structure.
  - 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.
  - Straw waddle installed around the lay down area off of Gosling Rd may need to be staked in more. The stakes are somewhat loose to the touch and in a serious rain event they could come loose and break apart. The waddles are a part of a combined berm installed next to/on the slope of the gravel lay down yard, see photos 4 & 5 below. Sam Eames has been notified of this corrective action.
  - It has been recommended that additional BMPs be installed in one area of the lay down yard, see photo 9.
  - McCourt installed a temporary water diversion system in A lot to direct the water over their trench, see photos 13 & 14.
  - There is an additional BMP training for the contractors on 06/13/19. This training will emphasize the expectations for BMP installation and maintenance.

### Corrective Action

- Due to the sediment discharge incident that accrued on 06/03/19, McCourt installed a dewatering apparatus next to their trenching activities north of College Brook (06/11/19). The BMP that they installed consisted of straw bales staked to the ground with filter fabric draped overtop of the bales creating a basin inside the bales, see photos 13 & 14. The dewatering structure looks great except that there isn't a filter bag installed yet, and the basin needs to be expanded in order to fit the filter bag inside once they start pumping water out of the trench.



**PHOTOGRAPHS**



Fig 1: McCourt continues to trench and assemble duct bank in A lot. They laid filter fabric over the exposed trench to prevent water from running through. Viewing southeast. (6-10-19)



Fig 2: Water is still present in the trench near the rain garden, along Colovos Rd. Viewing south. (6-10-19).



Fig 3: Combined berm installed around lay down area off of Gosling Rd. Viewing south. (6-10-19).



Fig 4: Combined berm installed around lay down yard cont. Viewing south. (6-11-19).



**PHOTOGRAPHS**



Fig 5: Combined berm installed around lay down yard cont. Viewing south. (6-11-19).



Fig 6: Combined berm installed around the lay down yard cont. Viewing northeast. (6-11-19).



Fig 7: Combined berm installed around the lay down yard cont. Viewing north. (6-11-19).



Fig 8: Combined berm installed around lay down yard, notice the water Runoff underneath the matting. Viewing north. (6-11-19).



**PHOTOGRAPHS**



Fig 9: Proposed area in lay down yard to add straw bales, this would help filter The runoff water that channels under the timber matting. Viewing north. (6-11-19).



Fig 10: Straw bales installed correctly between Str. F107-139 and wetland NW37. Viewing north. (6-11-19).



Fig 11: Silt fence installed between Str. F107-137 and wetland NM37, no maintenance needed. Viewing east. (6-11-19).



Fig 12: Foundation for Str. F107-136. A utility crew working along Woodbury Ave has excavated through the area that our crew finished and mulched with straw. There is now exposed soil in that area. (6-11-19).



**PHOTOGRAPHS**



Fig 13: The dewatering discharge BMP basin the McCourt installed for the trench dewatering activities next to Colovos Rd. Viewing south. (6-11-19).



Fig 14: The dewatering discharge basin next to Colovos Rd. The BMP structure will need to be expanded to encase the filter bag. Viewing south. (6-11-19).



Fig 15: McCourt began to pour concrete duct bank over installed pipe in A lot. Viewing south. (6-12-19)



Fig 16: McCourt's temporary water diversion plan; diverting water run off over their trench. Located in the low area in A lot. Viewing southeast. (6-12-19)



**PHOTOGRAPHS**



Fig 17: Predated turtle nest the Doucet crew reported off of Durham Point Rd. (6-12-19).



Fig 18: Painted turtle the Doucet crew reported near Durham Point Rd. (6-12-19).



