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: _**X** Weekly __Storm Event __Incident __ Corrective Action

Date: **06/27/19** Time: **12:00pm** +Does this report include a 0.25" storm event? __Yes **X**_No
If yes, how did you determine whether a 0.25" storm event has occurred? __Rain Gauge **X**_Weather Station
Storm event information is from Pease Air Force Base.

+Storm event information (approx.):	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): **Mostly clear with some overcast, temperatures ranging from the high 60's to the mid 80's. Rainfall <.25 inches occurred on 6-25-19.**

Weather conditions (time of inspection & future outlook): **Hazy and cloudy during the time of inspection with scattered clouds forecasted for the rest of the day. Future forecast is partly cloudy with scattered rain over the weekend. 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? _**X**_Yes __No, if not, note area and explain:

Operating within phasing limitations? _**X**_Yes __No, if not, note area and explain:

PROJECT TEAM

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General Comments

- Wetland delineation and Invasive surveys have been completed from Madbury substation to wetland DW24 near Str. 85, with the exception of one or two access roads.

Work completed this week:

- *Portsmouth*
  - *Boulos continues to do work at substation.*
- *Newington*
  - *None*
- *Durham*
  - *McCourt finished assembling conduit and duct bank in "A" lot.*
  - *McCourt began excavating for duct bank and fusing pipe next to the field house at UNH. Soil is stockpiled in the Waterworks Rd laydown area.*
  - *McCourt continues excavating north of existing trench along Colovos Rd.*
  - *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 Inc. began drilling in jacking pit.*

Erosion and sediment control items and observations:

- No issues at this time.

- **BMPs**
  - The UNH dewatering apparatus is functioning well. Its configuration may change for future dewatering activities.
  - Hay bales may be used if straw bales are unavailable (on a case by case basis after consultation with the Environmental Monitor) when constructing a temporary emergency dewatering apparatus (as these will be removed from the site and disposed of – not broadcast around the site - after the apparatus is no longer needed). Hay bales are not approved for perimeter siltation control, straw bales will be the approved method when installing perimeter siltation controls.

Corrective Action

- None needed.

OPERATING WITHIN LIMITS?

__N/A **X**_YES __NO if not, please explain:

SURFACE WATER QUALITY

Storm water discharge from the site at the time of inspection?	__ YES	**X**_NO	__N/A
Storm water discharge consistent with water quality standards?	__YES	**X**_NO	__N/A
Turbidity visually observed?	__YES	**X**_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? **X**_YES __NO __N/A (**See erosion control installation/repair items above**)

Are any corrective actions required? __YES **X**_NO if so, please describe?

** 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? **X**_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: 6/27/19

PHOTOGRAPHS

Fig 1: GZA continues to haul out soil from stockpile area in “A” lot. Viewing north. (6-20-19).

Fig 2: Vac truck is used to pump rain water out of trench in “A” lot. Viewing south. (6-20-19).

Fig 3: Silt sock installed along trenching activities in “A” lot. Viewing south. (6-21-19).

Fig 4: Trenching for duct bank next to field house at UNH. Viewing south. (6-21-19).

PHOTOGRAPHS

Fig 5: Test pump, 2in electric pump pumping rain water from trench. Viewing west. (6-21-19).

Fig 6: Rain water pumped across Colovos Rd into dewatering apparatus. Viewing southeast. (6-21-19)

Fig 7: Rain water filtering out through the filter bag inside the dewatering Apparatus. (6-21-19).

Fig 8: Filtered water flowing next to Colovos and back into grassy area north of College Brook. Viewing north. (6-21-19).

PHOTOGRAPHS

Fig 9: No sediment observed discharging into College Brook as a result of trench dewatering activities next to Colovos Rd. Viewing east. (6-21-19).

Fig 10: Midwest Mole Inc. Prepping to begin drilling this week. Viewing south. (6-24-19).

Fig 11: Excavation next to the field house, under steam pipe. Viewing north. (6-24-19).

Fig 12: About half of the water in the trench along Colovos Rd has been pumped out. Viewing south. (6-24-19).

PHOTOGRAPHS

Fig 13: Excavation north of trench along Colovos Rd, moving towards steam pipe. Viewing north. (6-24-19).

Fig 14: Residual water/rain water seeping out during excavation. Viewing north. (6-24-19).

Fig 15: McCourt uncovered an old asbestos water line during excavation. Viewing north. (6-24-19).

Fig 16: Asbestos pipe properly secured, waiting to be picked up. Viewing north. (6-24-19).

PHOTOGRAPHS

Fig 17: McCourt excavating next to Colovos Rd, north of existing trench, moving towards steam pipe. Viewing north. (6-25-19).

Fig 18: McCourt pumping water out of trench into existing trench. Viewing north. (6-25-19).

Fig 19: McCourt pumping residual water out of current work area, into existing Trench along Colovos Rd. Viewing south. (6-25-19).

Fig 20: Residual water seeping out from stone beneath old water pipe. Viewing north. (6-25-19).

PHOTOGRAPHS

Fig 21: Straw bales installed between Str. F107-138 and wetland NW37. Viewing north. (6-25-19).

Fig 22: Straw bales installed between Str. F107-138 and wetland NW37. Viewing west. (6-25-19).

Fig 23: Silt sock installed next to trenching activities in “A” lot. Viewing north. (6-26-19).

Fig 24: Most of the soil in “A” lot has been hauled off site. Viewing west. (6-26-19).

PHOTOGRAPHS

Fig 25: Soil stockpiled in the Waterworks Rd laydown yard continue to be Hauled off. Viewing east. (6-26-19).


Fig 26: Silt fence and straw wattle installed between Waterworks Rd laydown yard and wetland DW65. Viewing west. (6-26-19).


Fig 27: Midwest Mole Inc. continues to drill through ledge underneath Main St. Viewing southwest. (6-26-19).