





CONSTRUC	TION MONITORIN	G REPORT	
			Eversource Transmission Lines:
TYPE OF INSPECTION: <u>x</u> Wee	ekly X_Storm Event	Incident X Corrective Action	
Date: 10/24/19 Time: 8:00am Does If yes, how did you determine whether a 0.25" Storm event information is from Pease Air Force			Madbury, Durham, Newington, Portsmouth, NH Alteration of Terrain Permit: SEC Docket No. 2015-004
+Storm event information (approx.):	Start date: 10-22-19 Start date: Start date:	Amount (inches): 1.58in Amount (inches): Amount (inches):	Environmental Permit: SEC Docket No. 2015-004
NOTE:			USEPA NOI Tracking No: NHR1000QN NHR1000QT NHR1000QO NHR1000S6
			NAI Project No: 23840.39
Inspector name(s), title(s) and qualificatio Inspector and Marc Jacobs, CPESC, N		nandeau Environmental	
Others present/qualifications(s): Sam	Eames, Eversource cons	struction representative	
Weather conditions (since last inspection) and 60's.	: Cloudy with rain, temp	eratures ranging in the 50's	
Weather conditions (time of inspection & Future forecast shows a chance of rair and 50's.			
CONSTRUCTION SITE SEQUENCIND Disturbed area and ongoing work (acreage		E	
Proceeding per approved plan?X	_YesNo, if not, r	note area and explain:	

Operating within phasing limitations? _X_Yes ___No, if not, note area and explain:

General Comments

- Continued BMP maintenance and upkeep will be constant priority in intertidal zones on both sides of the Bay during cable installment.
- Housekeeping is a must. There is too much observed trash on the job sites.
- Any restored areas available to be seeded should be done now as the window for germination is closing rapidly.
- Restoration and seeding should be done incrementally and not saved until construction activities are finished.

Work completed this week:

- Portsmouth
 - 1. Boulos continues to do work at substation.
- Newington
 - o JCR continues site prep at the Shattuck Road laydown area.
 - o GZA continues to manage soils excavated during trenching and drilling activities.
 - o GZA continues to sample and treat groundwater at the Frink farm.
 - o McCourt continues trenching activities from Str 107.
 - o McCourt continues trenching activities from Str. 106.
 - o The stream diversion at the Frink farm is installed (and scheduled to be removed next week).
 - o LS Cable finished first jet plow activity to bury cable in Bay.
 - JCR continues to build access roads.
 - o LS Cable reinstalled silt curtain in the Bay.
 - o Blu Rock assists with cable pulling in trench on east side of the Bay.
- Durham
 - o Blu Rock assists with cable pulling in trench on the west side of the Bay.
 - LS Cable finished first jet plow activity to bury cable in Bay.
 - o JCR continues to build access roads
 - o JCR began removing timber matting around Str 28.

Erosion and sediment control items and observations:

BMPs

- McCourt removed all sediment and erosion controls at UNH.
- Silt curtain should be reinstalled before each rain event and preferably before the end of each work day.
- Knights Brook and wetland NW16 need to be restored and seeded.
- The areas around Strs. 26, 27, 28, 29 and dewatering basin near Str. 32 need to be restored and seeded.

Corrective Action

- Trench at the Beswick property partially collapsed due to the 10-23-19 rain event, causing visual plumes of sediment and turbid water into the Bay (crews were notified and responded in a timely manner to temporarily repair these issues). We are working together to develop and implement a plan to minimize sediment loss from adjacent uplands into tidal waters. See photos 13, 14, 15, 20, 21, 22 below.
- Turbid water visible in Knights Brook around stream diversion pump. Turbidity is a result of ruts near Str. 106. See photos 17, 18, 19. Tamp down ruts and re-mulch.

Eversource Seacoast Reliability Project

OPERATING WITHIN LIMITS?N/A X_YESNO if not, please explain:				
SURFACE WATER QUALITY				
Storm water discharge from the site at the time of inspection? Storm water discharge consistent with water quality standards? Turbidity visually observed? If yes, check appropriate location(s) below, and describe discharge: X YES NO N/A X YES NO N/A				
Location: Beswick property, Frink Farm Pond location: N/A Adjacent surface water or wetland: Little Bay, NW16 and Knights Brook				
Description : Sediment plume visual in the Bay at Beswick property and turbid water in wetlands at Frink farm.				
TEMPORARY EROSION AND SEDIMENT CONTROLS (TESC)				
Installed and functioning per the SWPPP?YES _X_NON/A				
Are any corrective actions required? X YESNO 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				
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? <u>X</u> YES <u>NO</u> NA				
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:				
Sparse germination: Dense germination: Strs. 135, 136, 137 Stabilized (85%+ germination): Field house at UNH, Colovos Rd at UNH, College Brook.				
Storm Water Convevance. 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:				



Fig 1: Pumping water out of trench and into frack tank at Frink farm. Viewing east. (10-21-19).



Fig 3: Float fill poured on duct bank in trench at Str. 107. Viewing west. (10-21-19).



Fig 2: Trenching activities at Frink farm. Viewing east. (10-21-19).



Fig 4: Access to man hole on the east side of the Bay at the Beswick property. Viewing west. (10-21-19).



Fig 5: Sediment controls on the east side of the Bay at the Beswick property. Viewing west. (10-21-19).



Fig 7: Silt curtain installed on the east side of the Bay. Viewing west. (10-21-19).



Fig 6: Silt curtain installed on the east side of the Bay. Viewing west. (10-21-19).



Fig 8: Assembling pipe in trench at Frink farm. Viewing east. (10-22-19).



Fig 9: Pulling the cable at the Getchell property. Viewing east. (10-22-19).



Fig 11: Matted access road through wetland DW6. Viewing west. (10-22-19).



Fig 10: Pulling the cable at the Getchell property. Viewing east. (10-22-19).



Fig 12: Poured duct bank in trench at Frink farm. Viewing east. (10-22-19).



Fig 13: Visible turbidity plume in the Bay at Beswick property. (10-23-19). Viewing southwest. (10-23-19).



Fig 14: BMP failure around cable location. Viewing southwest. (10-23-19).



Fig 15: Trench walls washed out at Beswick Property. Viewing west. (10-23-19).



Fig 16: Approximately 1.5ft of water on top of float fill in trench at Frink farm. Viewing east. (10-23-19).



Fig 17: Turbidity visible around stream bypass pump in Knights Brook. Viewing south. (10-23-19).



Fig 19: Turbid water, a result of the rutting near Str. 106. Viewing east. (10-23-19).



18: Ruts in previously restored area near Str. 106 causing sediment loss. Viewing west. (10-23-19).



Fig 20: LS Cable and Blu Rock on site to patch sediment and erosion Controls at Beswick Property. Viewing west. (10-23-19).



Fig 21: Temporary repairs made to sediment and erosion controls at Beswick property. Viewing west. (10-23-19).



Fig 22: Temporary repairs made to sediment and erosion controls at Beswick property. (10-23-19).



Fig 23: JCR removing timber mats around Str. 28. Viewing south. (10-23-19).

Eversource Seacoast Reliability Project

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