



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: **07/01/20** Time: **8:00am** Does this report 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: 06-29-20	Amount (inches): 0.81 in
	Start date: 06-30-20	Amount (inches): 2.25 in
	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 sunny with recent thunder storms. Temperatures in the 70's.**

Weather conditions (time of inspection & future outlook): **Rain, temperatures in the 80's. Forecast shows a chance of sporadic showers throughout the weekend with a slight chance of precipitation early next week.**

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

- Continued BMP maintenance and upkeep is a constant priority on shorelines of both sides of the Bay until vegetation has established to stabilize the sites.
- Housekeeping such as sweeping of timber mats and roads is a must.
- All contractors on site should have a copy of the construction drawings.
- During mat removal be sure to remove any remains of silt socks etc unless directed by the environmental monitor.
- Stone and gravel used on the access roads should be removed or contoured and covered with topsoil, then seed and mulch.

Work completed this week:

- *Portsmouth*
 - *None.*
- *Madbury*
 - *None*
- *Newington.*
 - *Rye Beach Landscaping continues landscaping activities at Gundalow landing/east side of the Bay, and Flynn Pit.*
 - *Rye Beach Landscaping addressed corrective action items at Gundalow landing/east side of the Bay due to rain events.*
- *Durham.*
 - *JCR continues restoration activities between Strs. 99-98 & 35-45.*

Erosion and sediment control items and observations:

- **BMPs**
 - BMPs should be left in place until the sites are stabilized per the environmental monitor. There are areas where BMPs can be removed with environmental monitor approval.

Corrective Action

- On the night of 06-30-20 the site received 2.25 in of rain causing the gravel path on the slope at Gundalow landing to wash out, resulting in approximately 4 yards of gravel and loam being released into the intertidal zone. Almost all of the soil material was captured within 10'-12' of the turbidity curtain. On the morning of 07-01-20, Eversource, Normandeau and Rye Beach Landscaping developed and implemented a temporary stabilization plan. Rye Beach removed all released gravel from the intertidal zone and installed 6 inch crushed stone in the lower path in place of the smaller diameter gravel originally used. On 07-02-20, Rye Beach extended the culvert rock swale and installed multiple water bars on the slope down to the intertidal zone. These are temporary repairs; the team is currently working on a permanent stabilization plan. Regulatory agencies have been notified and will be provided a copy of the proposed stabilization plan for review and comment. Refer to photos 13-20 below.

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: Intertidal zone at Gundalow landing/east side of the Bay
Pond location: N/A
Adjacent surface water or wetland: Little Bay

Description: Approximately 4 yards of gravel was released into the intertidal zone at Gundalow landing/east side of the Bay.

TEMPORARY EROSION AND SEDIMENT CONTROLS (TESC)

Installed and functioning per the SWPPP? YES NO N/A

Are any corrective actions required? YES NO if so, please describe? Rye Beach removed gravel and temporarily repaired gravel path and BMPs on slope at Gundalow landing/ease side of the Bay. Photos 13-20 below.

** 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? 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: N/A

Areas that have been restored and mulched, but have little germination: Strs. 100-130 including (Frink farm-Hannah Lane). Strs. 28-34, Strs. 61-90.

Moderate germination: Strs. 131-149, Strs.67-68. Both sides of Little Bay.

Stabilized (85%+ germination): UNH. Strs. 22-24.

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: 07/02/20

PHOTOGRAPHS



Fig 1: Removing gravel access road between Strs. 97-98. Viewing northwest. (06-25-20).



Fig 2: Slope down to intertidal zone at Getchell property/west side of the Bay. Viewing west. (06-29-20).

PHOTOGRAPHS



Fig 3: Str. 97 former work pad area, sensitive fern revegetation. Viewing south. (06-29-20).



Fig 4: Str. 72, vegetation starting to grow. Viewing west. (06-29-20).

PHOTOGRAPHS



Fig 5: Rye Beach Landscaping planted a variety of shrubs at Str. 69. Viewing west. (06-29-20).



Fig 6: Str. 67. Viewing west. (06-29-20).

PHOTOGRAPHS



Fig 7: Restored access road between Strs. 44-43. Viewing north. (06-29-20).



Fig 8: Vegetation re-growth where access road to Str. 35 was installed, wetland DW41. Viewing north. (06-30-20).

PHOTOGRAPHS



Fig 9: Crew removed timber mats from Wetland DW45, between Strs 39 and 40. Viewing north. (06-30-20).



Fig 10: Access road over stream DS46, between Strs. 51-52. Viewing northeast. (06-30-20).

PHOTOGRAPHS



Fig 11: Access road through wetland DW33. Viewing northeast. (06-30-20).



Fig 12: Salt marsh restoration at Getchell property/west side of the Bay. Viewing south. (06-30-20).

PHOTOGRAPHS



Fig 13: Gravel path at Gundalow landing/east side of the Bay washed out due to the rain event on 06-30-20. Viewing east. (07-01-20).



Fig 14: Gravel path erosion and deposition into the intertidal zone at Gundalow landing/east side of the Bay. Viewing southwest. (07-01-20).

PHOTOGRAPHS



Fig 15: Gravel path erosion and deposition into the intertidal zone at Gundalow landing/east side of the Bay. Viewing west. (07-01-20).



Fig 16: Corrective action repairs at toe-of-slope/intertidal zone at Gundalow landing/east side of the Bay. Viewing southwest. (07-01-20).

PHOTOGRAPHS



Fig 17: Corrective action repairs to gravel path below man hole at Gundalow landing/east side of the Bay. Viewing southwest. (07-01-20).



Fig 18: Corrective action repairs to gravel path below man hole at Gundalow landing/east side of the Bay. Viewing southwest. (07-01-20).

PHOTOGRAPHS



Fig 19: Rye Beach Landscaping repairing gravel path above man hole at Gundalow landing/east side of the Bay. Viewing east. (07-01-20).



Fig 20: Repairing gravel path/culvert swale above man hole at Gundalow landing/east side of the Bay. Viewing east. (07-01-20).

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