



# DRAINAGE MONITORING REPORT

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

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Eversource Transmission  
Line:

## F107 - Seacoast Reliability Project

Location:

**Newington, New  
Hampshire**

GZA Project No:

**04.0190999.81**

### TYPE OF INSPECTION:

- ☐ Daily ☐ Weekly ☐ Storm Event<sup>+</sup> ☐ Reduced Frequency<sup>++</sup>  
☒ Other: Bimonthly

Date: **2/23/2022** Time: **1015** <sup>+</sup>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  
☒ Other If other, please describe: NOAA

+Storm event info (approx): **2/14** Amount of rainfall (inches): **N/A** Amount of snowfall (inches): **1.10**

+Storm event info (approx): **2/18** Amount of rainfall (inches): **0.19** Amount of snowfall (inches): **N/A**

+Storm event info (approx): **2/19** Amount of rainfall (inches): **0.11** Amount of snowfall (inches): **N/A**

+Storm event info (approx): **2/23** Amount of rainfall (inches): **0.58** Amount of snowfall (inches): **N/A**

++Reason for Reduced Frequency  
(i.e., Monthly due to dry conditions):

Inspector name(s) and title(s): **Logan Young, Field Scientist**

Others present/affiliation(s): **N/A**

Weather conditions (since last inspection): Partly clear with high temperatures ranging from the low 20's to the low 60's, precipitation events occurred on 2/14, 2/18, 2/19, and early 2/23.

Weather conditions (time of inspection): Clear, High 50's

pH Meter Information (make/model): **Hanna HI98107**

Calibration Method: 2 Point  
Date: **2/23/2022** Time: **1010**

Notes: None

## PROJECT TEAM

### PROJECT OWNER

Eversource

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**CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

- None.

**PHOTOGRAPHS**



29 Gundalow - 1 (Drainage Area)



29 Gundalow - 2 (Culvert)



64 Gundalow - 1 (Drainage Course)



64 Gundalow - 2 (Drainage Course)



4 Brickyard Circle - 1 (Drainage Course)



4 Brickyard Circle - 2 (Drainage Course)



**PHOTOGRAPHS**



4 Brickyard Circle – 3 (Drainage Course)

**DRAINAGE AREA MONITORING**

**Location: 29 Gundalow – 1 (Drainage Area)**

Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing

pH: **7.9**

Observations/Notes: Saturated conditions with low flow and max. depth approx. 1.5".

**Location: 29 Gundalow – 2 (Culvert)**

Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing

pH: **8.9**

Observations/Notes: Water at culvert inlet, approx. max depth 3".

**Location: 64 Gundalow – 1 (Drainage Course)**

Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing

pH: **9.5**

Observations/Notes: Water flowing from culvert, approx. max depth 2".

**Location: 64 Gundalow – 2 (Drainage Course)**

Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing

pH: **6.8**

Observations/Notes: Area of water in front of culvert inlets, approx. max depth 3.75".

**Location: 4 Brickyard Circle – 1 (Drainage Course)**

Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing

pH: **7.0**

Observations/Notes: Area of water adjacent to culvert outlets, approx. max depth 7".

**Location: 4 Brickyard Circle – 2 (Drainage Course)**

Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing

pH: **7.0**

Observations/Notes: Area of water adjacent to south wall of raceway, approx. max depth 2.5".

**Location: 4 Brickyard Circle – 3 (Drainage Course)**

Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing

pH: **7.0**

Observations/Notes: Area of water in center of raceway, approx. max depth 4".

**OTHER COMMENTS AND OBSERVATIONS**

- Increased flow observed in all sampling locations from snow and ice melt as a result of recent precipitation events and fluctuating temperatures.