



# 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:

04.0190967.00

**TYPE OF INSPECTION:**  Daily  Weekly  Storm Event<sup>+</sup>  Reduced Frequency<sup>++</sup>  
 Other:

Date: **02/16/2021** Time: **1320** <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: Weather Underground

+Storm event info (approx): Wintery mix and variable rain beginning early morning on 2/16 and continuing through the early afternoon

Amount of rainfall (inches): 0.38

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

Inspector name(s) and title(s): Matt Deane, Technical Specialist

Others present/affiliation(s):

Weather conditions (since last inspection): Variable sun, clouds, and snow with temperatures consistently below freezing until 2/16 storm event

Weather conditions (time of inspection): Cloudy, Mid 30's

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

Calibration Method: 2 Point  
Date: **02/16/2021** Time: **1315**

Notes:

## PROJECT TEAM

### PROJECT OWNER

#### Eversource

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### ENVIRONMENTAL CONSULTANT

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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: --

Observations/Notes: No water observed under snow cover.

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

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

pH: **Frozen**

Observations/Notes: Layer of slush/snow melt on top of solid ice layer.

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

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

pH: **11.0**

Observations/Notes: Flowing water under layer of snow.

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

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

pH: **10.5**

Observations/Notes: Flowing water under layer of snow.

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

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

pH: **9.6**

Observations/Notes: Some solid ice and flowing water at culvert outlet.

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

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

pH: **7.9**

Observations/Notes: Some liquid flowing water, predominantly heavy slush in raceway.

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

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

pH: **7.6**

Observations/Notes: Some liquid flowing water, predominantly heavy slush in raceway.

**Location: Knight's Brook – 1 (Upstream in Brook)**

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

pH: **Not Monitored**

Observations/Notes:

<p><b>Location: Knight's Brook – 2 (Downstream in Brook)</b> Status of surface water at the time of inspection?   <input type="checkbox"/> Dry   <input type="checkbox"/> Standing   <input type="checkbox"/> Flowing pH: <b>Not Monitored</b> Observations/Notes:</p>
<p><b>Location: Knight's Brook – 3 (Above Duct Bank in Brook)</b> Status of surface water at the time of inspection?   <input type="checkbox"/> Dry   <input type="checkbox"/> Standing   <input type="checkbox"/> Flowing pH: <b>Not Monitored</b> Observations/Notes:</p>
<p><b>Location: Hannah – 1 (Wetland NW-22)</b> Status of surface water at the time of inspection?   <input type="checkbox"/> Dry   <input type="checkbox"/> Standing   <input type="checkbox"/> Flowing pH: <b>Not Monitored</b> Observations/Notes:</p>
<p><b>Location: Hannah – 2 (Wetland NW-24)</b> Status of surface water at the time of inspection?   <input type="checkbox"/> Dry   <input type="checkbox"/> Standing   <input type="checkbox"/> Flowing pH: <b>Not Monitored</b> Observations/Notes:</p>
<p><b>Location: Flynn Pit – 1 (Wetland NW-4)</b> Status of surface water at the time of inspection?   <input type="checkbox"/> Dry   <input type="checkbox"/> Standing   <input type="checkbox"/> Flowing pH: <b>Not Monitored</b> Observations/Notes:</p>
<p><b>Location:</b> Status of surface water at the time of inspection?   <input type="checkbox"/> Dry   <input type="checkbox"/> Standing   <input type="checkbox"/> Flowing pH: Observations/Notes:</p>

<p><b>OTHER COMMENTS AND OBSERVATIONS</b></p> <ul style="list-style-type: none"><li>• None.</li></ul>
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