DRAINAGE MONITORING REPORT

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

Known for excellence. Built on trust.

Eversource Transmission Line:

F107 - Seacoast Reliability Project

Location:

Durham, New Hampshire

GZA Project No:

04.0190967.00

TYPE OF INSPECTION: ☐ Daily ☒ Weekly ☐ Storm Event+ ☐ Reduced Frequency++ ☐ Other:

Date: **01/03/2021** Time: **1200** +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

+Storm event info (approx):

Amount of rainfall (inches):

++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 and clouds, no measurable precipitation

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

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

Calibration Method: 2 Point
Date: **01/03/2021** Time: **1115**

Notes:

PROJECT TEAM

PROJECT OWNER
Eversource
Attn: Dena Champy-Project Manager
Phone: 508-954-2736
Email: dena.champy@eversource.com

Attn: Kurt Nelson-Permitting Specialist
Phone: 603-714-3031
Email: kurt.nelson@eversource.com

Attn: Tom Meister
Phone: 339-987-7901
Email: thomas.meister@eversource.com

Attn: Sam Eames
Phone: 603-915-0073
Email: samual eames@eversource.com

EVERSOURCE COMPLIANCE
Attn: Matt Cardin
Phone: 603-988-6635
Email: matthew.cardin@eversource.com

FIELD SERVICES SAFETY MANAGER
Transmission ROW
Attn: Joshua Scott
Phone: 603-848-7759
Email: Joshua.scott@eversource.com

ENVIRONMENTAL CONSULTANT
GZA GeoEnvironmental, Inc.
Attn: Deborah Zarta Gier
Phone: 603-380-5024
Email: Deborah.zartagier@gza.com

Attn: Rebecca Cox
Phone: 603-315-7520
Email: rebecca.cox@gza.com

Attn: Lucas Turcotte
Phone: 603-380-5017
Email: lucas.turcotte@gza.com

CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

- Active construction/earthwork occurring in adjacent parking lot.

PHOTOGRAPHS

UNH Wetland - 1 (Stormwater Area)

UNH Wetland – 2 (Stormwater Area)

UNH Wetland - 3 (Cattail Wetland)

UNH Wetland - 4 (Cattail Wetland)

UNH Wetland - 5 (Cattail Wetland)

UNH Wetland - 6 (Cattail Wetland)

DRAINAGE AREA MONITORING

Location: UNH Wetland – 1 (Stormwater Area)
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **--**
Observations/Notes:

Location: **UNH Wetland – 2 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.4**
Observations/Notes: Variable depth standing water, max depth approx. 2". Surface iced over.

Location: UNH Wetland – 3 (Cattail Wetland)
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.1**
Observations/Notes: Variable depth standing water, max depth approx. **3**". Surface iced over.

Location: **UNH Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.5**
Observations/Notes: Large area of variable depth standing water, max depth approx. 3". Surface iced over.

Location: **UNH Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.4**
Observations/Notes: Large area of variable depth standing water, max depth approx. 3". Surface iced over.

Location: **UNH Wetland – 6 (Cattail Wetland)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **---**
Observations/Notes:

Location: **College Brook – 1 (Upstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **College Brook – 2 (Downstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **CB – 1 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **CB – 2 (Catch Basin))**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **RG – 1 (Rain Garden)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **A Lot – 1 (Drainage Swale)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **Reservoir Brook – 1 (Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location:
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH:
Observations/Notes:

OTHER COMMENTS AND OBSERVATIONS

- None.

DRAINAGE MONITORING REPORT

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

Known for excellence. Built on trust.

Eversource Transmission Line:

F107 - Seacoast Reliability Project

Location:

Durham, New Hampshire

GZA Project No:

04.0190967.00

TYPE OF INSPECTION: ☐ Daily ☒ Weekly ☐ Storm Event+ ☐ Reduced Frequency++ ☐ Other:

Date: **01/08/2021** Time: **0900** +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

+Storm event info (approx):

Amount of rainfall (inches):

++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 and clouds with some snow showers, no measurable precipitation

Weather conditions (time of inspection): Sunny, Mid 20's

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

Calibration Method: 2 Point
Date: **01/08/2021** Time: **0815**

Notes:

PROJECT TEAM

PROJECT OWNER
Eversource
Attn: Dena Champy-Project Manager
Phone: 508-954-2736
Email: dena.champy@eversource.com

Attn: Kurt Nelson-Permitting Specialist
Phone: 603-714-3031
Email: kurt.nelson@eversource.com

Attn: Tom Meister
Phone: 339-987-7901
Email: thomas.meister@eversource.com

Attn: Sam Eames
Phone: 603-915-0073
Email: samual eames@eversource.com

EVERSOURCE COMPLIANCE
Attn: Matt Cardin
Phone: 603-988-6635
Email: matthew.cardin@eversource.com

FIELD SERVICES SAFETY MANAGER
Transmission ROW
Attn: Joshua Scott
Phone: 603-848-7759
Email: Joshua.scott@eversource.com

ENVIRONMENTAL CONSULTANT
GZA GeoEnvironmental, Inc.
Attn: Deborah Zarta Gier
Phone: 603-380-5024
Email: Deborah.zartagier@gza.com

Attn: Rebecca Cox
Phone: 603-315-7520
Email: rebecca.cox@gza.com

Attn: Lucas Turcotte
Phone: 603-380-5017
Email: lucas.turcotte@gza.com

CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

- Active construction/earthwork occurring in adjacent parking lot.

PHOTOGRAPHS

UNH Wetland - 1 (Stormwater Area)

UNH Wetland – 2 (Stormwater Area)

UNH Wetland - 3 (Cattail Wetland)

UNH Wetland - 4 (Cattail Wetland)

UNH Wetland - 5 (Cattail Wetland)

UNH Wetland - 6 (Cattail Wetland)

DRAINAGE AREA MONITORING

Location: UNH Wetland – 1 (Stormwater Area)
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **--**
Observations/Notes:

Location: **UNH Wetland – 2 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.9**
Observations/Notes: Variable depth standing water, max depth approx. 2". Surface iced over.

Location: UNH Wetland – 3 (Cattail Wetland)
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.2**
Observations/Notes: Variable depth standing water, max depth approx. **3**". Surface iced over.

Location: **UNH Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.4**
Observations/Notes: Large area of variable depth standing water, max depth approx. 3". Surface iced over.

Location: **UNH Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.3**
Observations/Notes: Large area of variable depth standing water, max depth approx. 3". Surface iced over.

Location: **UNH Wetland – 6 (Cattail Wetland)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **---**
Observations/Notes:

Location: **College Brook – 1 (Upstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **College Brook – 2 (Downstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **CB – 1 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **CB – 2 (Catch Basin))**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **RG – 1 (Rain Garden)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **A Lot – 1 (Drainage Swale)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **Reservoir Brook – 1 (Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location:
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH:
Observations/Notes:

OTHER COMMENTS AND OBSERVATIONS

- None.