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May 24, 2017

Mr. Robert Stein, Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

**Subject: Docket No. 466, Frost Bridge to Campville 115-kV Project
Decision and Order Condition #4 – Independent Environmental Inspector Report**

Dear Mr. Stein,

Please find enclosed the Biweekly Independent Environmental Inspector Report, Report #12, for the **May 12th** and **May 19th 2017**, inspection events for the construction of the Eversource Frost Bridge to Campville 115-kV Project.

If you have any questions, please contact me at kobrion@trcsolutions.com or (508) 298-1009.

Sincerely,

Kevin M. O'Brion
Environmental Scientist/Project Manager
TRC Environmental Corp.

Enclosure

cc- Kathleen Shanley (email), Eversource
TRC Files
Paul Cyr-TRC

Docket No. 466- Development and Management Plan Inspection

The Connecticut Siting Council (CSC) issued to the Connecticut Light and Power Company (d.b.a. as Eversource Energy [Eversource]) a Certificate of Environmental Compatibility and Public Need (Certificate) for the Frost Bridge to Campville 115-kV Project (Project). For the Project, Eversource is in the process of constructing a new 10.4-mile, primarily overhead electric transmission line between its Frost Bridge Substation in the Town of Watertown and its Campville Substation in the Town of Harwinton, and also is making minor related modifications to both substations and to a 0.4-mile segment of two existing 115-kV lines (the 1191 and 1921 lines) at the Naugatuck River crossing in the towns of Litchfield and Harwinton. These electrical system modifications are located within Eversource's existing right-of-way (ROW) or substation properties in Litchfield County Connecticut. Pursuant to the CSC's approval of the Project, this report presents the results of the bi-weekly inspections of the Project's conformance to the CSC-approved Development & Management (D&M) Plans, performed by the CSC's independent environmental inspector pursuant to Certificate Condition 4.

ROW/SUBSTATIONS

Interim Week Inspection:

Date: 05/12/2017

Inspector: Paul Cyr

Rain Event:

Locations Inspected (by Town, D&M Plan Map Sheet, and Structure Number/Site):

- Watertown, Maps 09-15, Str24-Str44, W-C18, various wetlands, and watercourses.
- Thomaston, Map 17, Str48
- Litchfield, Map 28, Str78-Str80
- Litchfield, Map 31A, Str3171
- Harwinton, Map 32, Str87
- Harwinton, Map 35, Str95

Work Observed: (by D&M Plan Map Sheet and Structure Number/Site)

Northern was performing E&S and access road maintenance between Str24 & Str44 and at Str87, road construction between Str79 & Str80, and from the ROW entrance to Str48 off Rt 109. Northern was constructing structure pads/pull pads at Str39, 44, 48, 79, and Str58. PAR continued to drill the structure base hole at Str64 and was dismantling Str3171.

Repairs to E&S controls (Silt fence) were performed (corrective action) by Northern at W-C18 (Map 13) as of the non-conformance reported in the Biweekly Report #11, dated 5/05/17.

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 05/19/2017

Inspector: Paul Cyr

Rain Event: 1 1/8" (5/12 & 5/13), 1/3" (5/17 & 5/18)

Locations Inspected (by Town, D&M Plan Map Sheet, and Structure Number/Site):

- Watertown, Maps 09-15, Str24-Str44, wetlands, and watercourses
- Watertown, Map 14, Str47 & Str48
- Thomaston, Maps 18-20A, Str50-Str59
- Litchfield, Maps 31-31A, Str86, Str3171, and Str3236
- Harwinton, Map 35, Campville Substation
- Harwinton, Map 35, Str95
- Harwinton, Map 34, Str93 & Str94
- Harwinton, Map 32, W-F11/S-F10 Timber mat crossing

Work Observed: (by D&M Plan Map Sheet and Structure Number/Site)

Northern was performing E&S and access road maintenance between Str24 & Str44 and constructing the pad for Str44. PAR was finishing the drilling at Str51 and setting up to erect the direct embedded delta tangent structure.

Areas of Inspection		Observation:	Recommended Action/s:	Corrected Action/s:
Access Roads and Adjacent Roadways	Interim Week	No excessive rutting and ponding was observed. Perimeter E&S controls (non conformance) as discussed in Biweekly Report #11 (5/5/17) have been corrected by Northern.	N/A	N/A
	Bi-Week	No excessive rutting and ponding was observed. The access road between Str40 and Str44 could use minor grading and improved with some gravel to prevent rutting by heavy equipment use but it currently is not a significant issue.		N/A
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week	No out of bounds or excessive clearing observed. Areas currently being cleared are flagged and flagging is updated when needed.	N/A	N/A
	Bi-Week	No out of bounds or excessive clearing observed. Areas currently being cleared are flagged and flagging is updated when needed.	N/A	N/A

Water Crossings	Interim Week	All crossings appear to be functioning in accordance with BMPs.	N/A	N/A
	Bi-Week	The timber mat crossing at VP-C20-1 had an excessive buildup of sediments (See photo #7) at the time of this site inspection on 05/19/2017. Northern was notified of the conditions and by the end of the day cleared the excessive sediments from the crossing (See photo #8).	Continue to monitor and maintain water crossings for excessive sediment buildup.	N/A

Erosion and Sedimentation Controls	Interim Week	Northern continues installation and maintenance of E&S controls improving access road conditions in the project ROW.	Maintain existing E&S controls, and install new perimeter controls to prevent impacts to surrounding areas.	N/A
	Bi-Week			
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	No wetland or watercourse impacts/damage observed, no violations observed.	N/A	N/A

<p>Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</p>	<p>Bi-Week</p>	<p>No wetland or watercourse impacts/damage observed, no violations observed.</p>	<p>N/A</p>	<p>N/A</p>
<p>Spills and Material Storage</p>	<p>Interim-Week</p>	<p>Release occurred on 5/6/17 @ 1105 hrs, and report filed @ 1748 hrs- Diesel Fuel release from a failed fuel filter on a PAR operated crane at Str86 (Litchfield, Map 31A). Approximately 5-gallons of diesel fuel released to the ground surface. Impacted soils were excavated and transported off site. PAR filed a internal spill form (#866-DEP-Spil) and reported the release to</p>	<p>Continued from left column-CTDEEP (#2017-02169).</p>	<p>Impacted soils were excavated and transported off site for disposal.</p>
	<p>Bi-Week</p>	<p>Approximately 2-gallons of diesel leaked from a generator's fill pipe cap due to heat expansion after the tank was filled (as reported by contractor) and impacted the ground surface (asphalt millings) in the parking lot of the Thomaston Fish and Game Club off of Norhfield</p>	<p>Continued from left column-Road (Map 20). An internal Spill Form (including photos) was completed by PAR (the responsible party) and a contracted project inspector reported the release to CTDEEP.</p>	<p>Continued from left column-CTDEEP spill number was issued (#2017-02510). The release occurred in an off ROW area. No impacts to wetlands, watercourses or other sensitive areas were reported.</p>

Rare, Threatened, and Endangered Species	Interim Week	<p>BMPs and Rare Species Avoidance and Minimization Measures are being followed.</p> <p>No rare, threatened, or endangered species have been observed and/or reported to date.</p>	<p>Continue to follow BMPs and Rare Species Avoidance and Minimization Measures.</p>	N/A
	Bi-Week	<p>BMPs and avoidance and Minimization Measures are being followed.</p> <p>No rare, threatened, or endangered species have been observed and/or reported to date.</p>	<p>Continue to follow BMPs and Rare Species Avoidance and Minimization Measures.</p>	N/A

Additional Documentation Comments:

Notes:

5/12/17: Slope failure is occurring at pad Str38, northeast corner of pad. Destabilization at northeast corner of slope. Rills and tunneling were observed. Slope failure will likely occur but there are no impacts to sensitive areas such as wetlands or watercourses. If failure were to occur, materials would still fall within the proposed area of disturbance because the pad was constructed smaller than originally designed. As of 05/19/17, this has not been addressed.


Open Items from previous inspections:

Closed Items from previous inspections:

Next likely scheduled inspection: 5/26/2017

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Independent Field Inspector: 

Reviewer: 

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 1: 05/12/2017, Watertown: Map 13, E&S (Silt Fence) controls repaired.



Photo 2: 05/12/2017, Watertown: Map 15, Rock Hammering pad at Str44.

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
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Photograph Log Frost Bridge to Campville 115kV Project



Photo 3: 05/12/2017, Thomaston: Map 17, tracking pad/apron and access road construction at Str48.



Photo 4: 05/12/2017, Litchfield: Map 28, Access road construction between Str79 and Str80.

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Photograph Log

Frost Bridge to Campville 115kV Project



Photo 5: 05/19/2017, Watertown: Map 13, Structural failure-slope failure occurring at pad Str38.



Photo 6: 05/19/2017, Watertown: Map 13, Structural failure-slope failure occurring at pad Str38.

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
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Photograph Log

Frost Bridge to Campville 115kV Project



Photo 7: 05/19/2017, Watertown: Map 14, timber mat crossing at VP-C20-1 in need of cleaning and maintenance of perimeter silt fence.



Photo 8: 05/19/2017, Watertown: Map 14, at VP-C20-1 crossing, timber mats and silt fence cleared of excess sediments, completed on 05/19/2017 by Northern.

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
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