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April 26, 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 the enclosed Biweekly Independent Environmental Inspector Report, Report #10, for the **April 14th** and **April 21st 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: 04/14/2017

Inspector: Paul Cyr

Rain Event:

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

- Watertown, Map 1, Str1A
- Watertown, Map 09 - 14, Str24 - Str39, various wetlands, vernal pools, and water crossings
- Thomaston, Map 24, Str69
- Litchfield, Map 26, Str74, W-E4
- Litchfield, Map 28 - 29, Str80 (access road to) & Str81 (pad E&S), E&S controls & tracking pads, Campville Rd
- Harwinton, Map35, Str95 (Rare Species Avoidance and Minimization Measures)

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

No work was occurring on the day of this inspection, (Municipal, State and Federal Holiday (Good Friday & Easter Sunday weekend)). Northern and PAR recognized this day as a holiday as well and were not on site. TRC and Davison Environmental were on site to inspect work performed over the previous week. A significant push to install E&S controls in the areas between Str24 and Str40 was performed by Northern and structure base drilling, steel structure construction, and line work was performed by PAR in various areas since the last inspection conducted on 4/7/2017.

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 04/21/2017

Inspector: Paul Cyr

Rain Event: 1/2" (4/19-4/21)

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

- Watertown, Maps 09-15, Str24-Str43, W-C1A, W-C2A, W-C1/S-C1, W-C3, W-C4, W-C6, W-C16, W-C12/VP-C12-1, W-C14, W-C15, S-C4, W-C18, W-C20/VP-C20-1
- Thomaston, Maps 18-20A, Str50-56, W-D2/S-D2, W-D3/S-D3, W-D4/VP-D4-1, W-D5/VP-D5-1
- Thomaston, Maps 21-22, Str60-Str62, W-D10

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

Northern is performing maintenance and new installation of E&S controls in various areas including along wetland W-D4/VP-D4-1, and structure pad prep/pad construction at Str40, Str42 and Str43. Not observed during this site visit but occurring was, PAR drilling the base hole for the drilled shaft vertical deadend steel structure at Str3236 (Litchfield), and finishing the base hole drilling for the direct embedded delta tangent steel structure at Str77 (Litchfield).

Areas of Inspection		Observation:	Recommended Action/s:	Corrected Action/s:
Access Roads and Adjacent Roadways	Interim Week	Currently maintained, no excessive rutting, ponding water, or water flows observed. Water bars and E&S controls are functioning. See attached photos.	N/A	N/A
	Bi-Week	Overall ROW access roads are currently maintained, no excessive rutting or water flows observed. Minor ponding was observed on the access road in the area of VP-C15-1. E&S was in place and functioning. No impacts observed to VP-C15-1.	In the area of VP-C-15-1, regrade or fill low area of access road to prevent ponding and place non-woven filter fabric overlayed with stone for stabilization. Discussed with Matt Davison/Davison Env.	Pending
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	<p>All crossings appear to be functioning in accordance with BMPs. No sediment appears to be entering the streams or wetlands. Timber mat crossings and hard bottom crossings are clear of excessive buildup of sediments. Timber mat pads and temporary access roads are placed to minimize disturbance and according to BMPs.</p> <p>Timber mat crossings in the areas between Str24 and Str40 were cleaned, reset, and stone tracking pads placed at the approach and departure of the crossings. See attached photos.</p>	N/A	N/A
	Bi-Week	<p>Overall water crossings appear to be installed in accordance with BMPs. No sediment appears to be entering the streams or wetlands. Timber mat crossings and hard bottom crossings are clear of excessive buildup of sediments. Timber mat pads and temporary access roads are placed to minimize disturbance and according to BMPs.</p> <p>Timber mat crossing at W-C15/VP-C15-1 is muddy from wet conditions and ponding on access road. No sedimentation in W-C15/VP-C15-1 was observed.</p>	Clean timber mats and place stone tracking pads on either side to prevent tracking and buildup of sediments onto timber mats. Discussed with Matt Davison/Davison Environmental.	Pending

Erosion and Sedimentation Controls	Interim Week	Installation of E&S controls in the areas between Str24 and Str40 has improved access road conditions significantly. Stone tracking pads, water bars and temporary sediment basins/plunge pools, has improved upland diversion of surface water runoff and the protection of downgradient wetlands, watercourses, and other sensitive areas. See attached photos.	N/A	N/A
	Bi-Week	Installation of E&S controls site wide continues to improve ROW access road conditions. Surface water runoff is being controlled upland of wetlands, watercourses, and vernal pools, preventing impacts to those sensitive areas.	N/A	N/A
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	<p>Timber mat installations (temporary access roads and temporary structure pads) in wetland areas are in accordance with the BMPs.</p> <p>The upland diversion of surface water flow and perimeter controls (Silt fencing and hay bales) are in accordance with BMPs.</p> <p>Not inspected today-still open item: Although not at immediate risk, the conditions of the pad at Str83 need to be addressed. Pad slopes should be stabilized and/or armored to ensure sediments from the pad do not build up on or breach perimeter controls and enter wetland W-F4 and/or S-F2 in the case of a significant rain event.</p>	Discussed with Matt Davison/Davison Environmental.	Pending


<p style="text-align: center;">Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</p>	<p style="text-align: center;">Bi-Week</p>	<p>Same as Previous Inspection.</p>	<p>Discussed with Matt Davison/Davison Environmental.</p>	<p>Northern installed additional E&S controls at the base of Str83 and placed grass seed and hay on slopes to help stabilize. Area will continue to be monitored for pad and slope stabilization.</p> <p>Updated photos supplied by Matt Davison/Davison Environmental and placed in the project file.</p>
<p style="text-align: center;">Spills and Material Storage</p>	<p style="text-align: center;">Interim-Week</p>	<p>None reported or observed.</p> <p>Emergency spill kits were observed in all active work areas and secondary containment procedures are implemented when refueling of equipment.</p>	<p style="text-align: center;">N/A</p>	<p style="text-align: center;">N/A</p>
	<p style="text-align: center;">Bi-Week</p>	<p>None reported or observed.</p> <p>Emergency spill kits were observed in all active work areas and secondary containment procedures are implemented when refueling of equipment.</p>	<p style="text-align: center;">N/A</p>	<p style="text-align: center;">N/A</p>

Rare, Threatened, and Endangered Species	Interim Week	<p>The area of pad Str95 was inspected and no turtles were observed in the surrounding area or on the pad itself. The pad is edged with silt fencing to prevent turtle access. However, a few sections of silt fence are in need of repair or replacement. See attached photos.</p>	<p>Continue to follow BMPs and Rare Species Avoidance and Minimization Measures.</p> <p>Repair or replace silt fence in the area of Str95 to prevent turtle access.</p> <p>Matt Davison will be conducting a Contractor Awareness program prior to work in this area.</p>	N/A
	Bi-Week	<p>The pad is edged with silt fencing to prevent turtle access. However, a few sections of silt fence are in need of repair or replacement. No action taken as of this inspection. Spoke with Matt Davison/Davison Environmental and Northern will be repairing perimeter silt fencing in the coming days.</p>	<p>Continue to follow BMPs and Rare Species Avoidance and Minimization Measures.</p>	<p>Silt fencing barrier repaired as of 4/25/2017. Updated photos supplied by Matt Davison/Davison Environmental and placed in the project file.</p>
<p>Additional Documentation Comments:</p>				
<p>Notes:</p>				
<p>Open Items from previous inspections:</p>				
<p>Closed Items from previous inspections:</p>				

Next likely scheduled inspection: 4/28/2017

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: 4/14/2017, Watertown: Map 14, water crossing at W-C20 & VP-C20-1, Stone access tracking pads and E&S Improvements.



Photo 2: 4/14/2017, Watertown: Map 12, water crossing at W-C15 & S-C4, Stone access tracking pads and E&S Improvements.

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/14/2017	Paul Cyr	8 of 15	Watertown to Harwinton	Interim Report #10	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 3: 4/14/2017, Watertown: Map 12, water crossing at W-C14, stone access tracking pads and E&S Improvements.



Photo 4: 4/14/2017, Watertown: Map 12, access road improvements, stone swale, and addition of perimeter silt fence.

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/14/2017	Paul Cyr	9 of 15	Watertown to Harwinton	Interim Report #10	

Photograph Log Frost Bridge to Campville 115kV Project



Photo 5: 4/14/2017, Watertown: Map 11, VP-C12-1, wood frog eggs present.



Photo 6: 4/14/2017, Watertown: Map 11, timber mat water crossing at W-C12 & VP-C12-1, access road E&S control improvements.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/14/2017	Paul Cyr	10 of 15	Watertown to Harwinton	Interim Report #10	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 7: 4/14/2017, Watertown: Map 11, access road, water bar, stone swale and E&S improvements in the area of Str31.



Photo 8: 4/14/2017, Watertown: Map 11, access road, water bar, stone swale and E&S improvements in the area of Str31.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/14/2017	Paul Cyr	11 of 15	Watertown to Harwinton	Interim Report #10	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 9: 4/14/2017, Harwinton: Map 35, Str95, Rare Species Avoidance and Minimization Measures, perimeter silt fence needs repair/replacement.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/14/2017	Paul Cyr	12 of 15	Watertown to Harwinton	Interim Report #10	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 10: 4/21/2017, Thomaston: Map 19, E&S at W-D4/VP-D4-1.



Photo 11: 4/21/2017, Thomaston: Map 19, E&S at W-D4/VP-D4-1.

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/21/2017	Paul Cyr	13 of 15	Watertown to Harwinton	Biweekly Report #10	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 12: 4/21/2017, Thomaston: Map 18, E&S controls at W-D3.



Photo 13: 4/21/2017, Thomaston: Map 18, E&S at W-D3.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/21/2017	Paul Cyr	14 of 15	Watertown to Harwinton	Biweekly Report #10	

Photograph Log
Frost Bridge to Campville 115kV Project



Photo 14: 4/21/2017, Thomaston: Map 18, construction of Str51 abutting W-D3 and S-D3.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/21/2017	Paul Cyr	15 of 15	Watertown to Harwinton	Biweekly Report #10	