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February 27, 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 #5 – Independent Environmental Inspector Report**

Dear Mr. Stein,

Please find enclosed the Biweekly Independent Environmental Inspector Report, Report #5, for the **February 17<sup>th</sup>** and **February 23, 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](mailto:kobrion@trcsolutions.com) or (508) 298-1009.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kevin M. O'Brion', written in a cursive style.

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:** 02/17/2017

**Inspector:** Paul Cyr

**Rain Event:** 1.34" (Including 11" snowfall on 2/10/17)

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

- Harwinton, Maps 32 through 35, Str88 through Str94
- Litchfield, Map 26, Str73 and Str74, mech. clearing
- Litchfield, Map 26, DVP-E2-1 and DVP-E2-2
- Watertown, Map 10, Str27, pad constr/rock hammering
- Watertown, Map 10, Str29, mech. clearing
- Watertown, Map 10, DVP C4-1 & W-C4 crossing

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

PAR Electrical Contractor was drilling Guide anchor holes for the proposed construction of temporary structures at Str88, Mechanical clearing and wood chipping was occurring at Str74 through Str77, and rock hammering and grading was occurring at Str27 to prepare the area for pad construction.

**ROW/SUBSTATIONS**

**Bi-Weekly Week Inspection:**

**Date:** 2/23/2017

**Inspector:** Paul Cyr

**Rain Event:**

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

- Watertown, Map 1, Str1A, Str1B, Str3080
- Watertown, Map 9A-10, Str26, Str27, Str28, W-C1/S-C1
- Litchfield, Map 26, DVP-E2-1, DVP-E2-2
- Litchfield, Map 28, Str78, Str79, W-E10, VP-E9-1
- Harwinton, Map 35, Str95, W-F15, S-F14

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

Final pad construction of Str27 and Str28 (Placement of base material, grading, and roller compaction), and placement of timber mats at Str78 and the Timber mat access road between Str78 and Str79 was observed at the time of this Site inspection. Access road maintenance was also observed on the stretch of ROW between High Meadow Road, Watertown to Str24 (Map 09A).

<b>Areas of Inspection</b>		<b>Observation:</b>	<b>Recommended Action/s:</b>	<b>Corrected Action/s:</b>
<b>Access Roads and Adjacent Roadways</b>	<b>Interim Week</b>	Appeared clean and maintained	N/A	N/A
	<b>Bi-Week</b>	Access roads are for the most part in good conditions, some areas of heavy equipment and truck traffic are soft and rutted. Northern is keeping up with maintenance of access roads and sweeping of public roadways at entry points to ROWs.	Continue to monitor road conditions and keep tracking pads and timber mats clean of accumulated/tracked sediments.	N/A
<b>Vegetative Clearing Limits (Including trees to save or danger trees noted.</b>	<b>Interim Week</b>	Mechanical clearing was occurring in the area of Str74 through Str77. The area to be cleared including wetlands and other sensitive areas were flagged and clearly visible. no out of bounds and excessive clearing was observed.	N/A	N/A
	<b>Bi-Week</b>	Mechanical clearing and hand clearing continues site wide. Areas to be cleared including wetlands and other sensitive areas are flagged and clearly visible. Areas cleared to date; no out of bounds and excessive clearing has been observed.	N/A	N/A

<b>Water Crossings</b>	<b>Interim Week</b>	Water crossings (Timber mats) appeared maintained and clear of tracked sediments.	Continue to monitor site conditions and clear buildup of sediments on timber mats at water crossings.	N/A
	<b>Bi-Week</b>	Water crossings (Timber mats) appeared maintained and clear of tracked sediments. No turbidity or sediment buildup observed.	Continue to monitor site conditions and clear buildup of sediments on timber mats at water crossings.	N/A

<b>Erosion and Sedimentation Controls</b>	<b>Interim Week</b>	The area overall is snow covered at this time. E&S is present in areas of active work and maintained. The installation of water bars at designated points is occurring on an as needed basis at this point.	Water bars should be implemented at designated areas to keep access roads clear of surface water flows and ponding in low lying areas. At this time snow melt is occurring and a minimal amount of surface flow is occurring. However, in the event of a significant rainfall event (Short burst or long durational), the chance	N/A  <u><i>cont. from left column:</i></u> of heavy surface water flows will occur and likely any standalone E&S (Hay bales, Silt fence) will not suffice. Runoff must be diverted from access roads to uplands prior to encountering perimeter controls.
	<b>Bi-Week</b>	E&S controls that have been installed to date are maintained and functioning as designed. Northern has installed several water bars along ROW access roads since 2/17 to divert surface water from snow melt off road surfaces upland of perimeter controls and sensitive areas.	Continue to monitor conditions and control surface water runoff upland of low lying perimeter controls.	N/A
<b>Inland Wetland &amp; Watercourse encroachment &amp; mitigation</b>	<b>Interim Week</b>	Hand clearing has been occurring in and around designated wetland areas. No excessive disturbance was observed. Area flagging is updated and tailboard discussions (covering BMP's) performed prior to working in these areas.	N/A	N/A


<p><b>Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</b></p>	<p><b>Bi-Week</b></p>	<p>Timber mats have been placed at Str78 (Map28) and construction of the timber mat access road to Str79 (Map28) through W-E10 has started. the BMPs (Detail Sheet 3) for an elevated timber mat road for animal crossing were referenced. At the time of this site inspection, the mats were placed with a 50-foot span between each 10' crossing. Northern is changing from the 50-foot span down to a 33' span moving forward with the rest of the timber mat road construction.</p>	<p>N/A</p>	<p>N/A</p>
<p><b>Spills and Material Storage</b></p>	<p><b>Interim-Week</b></p>	<p>None observed or reported.</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>Bi-Week</b></p>	<p>None observed or reported.</p>	<p>N/A</p>	<p>N/A</p>

<b>Rare, Threatened, and Endangered Species</b>	<b>Interim Week</b>	None observed or reported.	N/A	N/A
	<b>Bi-Week</b>	None observed or reported.	N/A	N/A
<p><b>Additional Documentation</b>  <b>Comments:</b></p>  <p><b>Notes:</b></p>  <p><b>Open Items from previous inspections:</b></p>  <p><b>Closed Items from previous inspections:</b></p>				

**Next likely scheduled inspection:** 3/2/2017

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: 2/17/2017, Harwinton, Map 35: Hard bottom crossing at S-G3 between Str97 and Str96.



Photo 2: 2/17/2017, Harwinton, Map 32: Construction of temp structures north of Str88, drilling guide anchor holes.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
02/17/2017	Paul Cyr	8 of 17	Watertown to Harwinton	Interim Report #5	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 3: 2/17/2017, Harwinton, Map 32: Construction of Str88, poured concrete foundation.



Photo 4: 2/17/2017, Litchfield, Map 26: Wood chipping at area of mechanical clearing between Str74 and Str77.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
02/17/2017	Paul Cyr	9 of 17	Watertown to Harwinton	Interim Report #5	

## Photograph Log Frost Bridge to Campville 115kV Project



Photo 5: 2/17/2017, Litchfield, Map 26: Mechanical clearing between Str70 and Str73.



Photo 6: 2/17/2017, Litchfield, Map 26: Decoy vernal pool, DVP E2-1.

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02/17/2017	Paul Cyr	10 of 17	Watertown to Harwinton	Interim Report #5	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 7: 2/17/2017, Litchfield, Map 26: Decoy vernal pool, DVP E2-1 (Right) and DVP E2-2(left) access road crossing current conditions.



Photo 8: 2/17/2017, Watertown, Map 10: Decoy vernal pool, DVP C4-1 current conditions.

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02/17/2017	Paul Cyr	11 of 17	Watertown to Harwinton	Interim Report #5	

**Photograph Log  
Frost Bridge to Campville 115kV Project**



Photo 9: 2/17/2017, Watertown, Map 10: Decoy vernal pool, DVP C4-1 (left), wetland W-C4 (right), access road crossing current conditions.



Photo 10: 2/17/2017, Watertown, Map 10: Partial clearing of pad at Str27 and Str28.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
02/17/2017	Paul Cyr	12 of 17	Watertown to Harwinton	Interim Report #5	

## Photograph Log Frost Bridge to Campville 115kV Project



Photo 11: 2/23/2017, Watertown, Map 9A: Soft ground conditions, tire rutting occurring.



Photo 12: 2/23/2017, Watertown, Map 9A: Soft ground conditions, Northern grading road to remove rutting.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
02/23/2017	Paul Cyr	13 of 17	Watertown to Harwinton	Biweekly Report #5	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 13: 2/23/2017, Watertown, Map 10: Non project related disturbance to W-C1/S-C1 by abutting landowner



Photo 14: 2/23/2017, Watertown, Map 10: Non project related disturbance to W-C1/S-C1 by abutting landowner

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
02/23/2017	Paul Cyr	14 of 17	Watertown to Harwinton	Biweekly Report #5	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 15: 2/23/2017, Watertown, Map 10: Str27 and Str28 pad construction.



Photo 16: 2/23/2017, Litchfield, Map 26: Water bar and plunge pool upland of W-E2, DVP-E2-1 and DVP-E2-2.

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## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 17: 2/23/2017, Litchfield, Map 26: Access road below water bar and plunge pool upland of W-E2, DVP-E2-1 and DVP-E2-2.



Photo 18: 2/23/2017, Litchfield, Map 28: Timber mat access road from Str78 to Str79 through W-E10, with 10'+/- animal crossing spaced every 36' along the approximate 500-foot run.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
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## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 19: 2/23/2017, Harwinton, Map 35: Str95, matted pad, silt fencing still to be installed around exterior edge of mats to prevent turtle access per BMPs.



Photo 20: 2/20/2017, Map 11: Non project related disturbance to Vernal pool VP C12-1, ATV tracks .

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
02/23/2017	Paul Cyr	17 of 17	Watertown to Harwinton	Biweekly Report #5	