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April 12, 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 #9, for the **March 31st** and **April 7th 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,

A handwritten signature in black ink, appearing to read 'Kevin M. O'Brion', is positioned above the typed name.

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: 03/31/2017

Inspector: Paul Cyr

Rain Event: 3/27 (5/8"), 3/28 (1/4"), 3/31(1.0")

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

- Watertown, Map 09, Access road maintenance
- Thomaston, Map 17, Access road construction to Str47
- Thomaston, Map 22, Str62, Str63, Str64, W-D10 & D12
- Thomaston, Map 23, Str65, Str66
- Thomaston/Litchfield, Maps 25 & 26, Str70 - Str73
- Litchfield, Maps 28 & 29, Str80, Str81, Access Road
- Litchfield, Map 29, Str83, W-F4
- Harwinton, Map35, Str96
- Watertown, Map 01, Str3080

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

Northern continues to cut the access road and perform tree clearing at Str47 (Map 17), Davison Environmental re-flagged W-D10 (updated existing boundary flags) at Str62 (Map 22), Northern was placing timber mats at Str63 & Str64 (Map 22), and rock hammering (pad construction) at Str66 (Map 23). PAR is drilling the hole for the direct embedded delta tangent structure at Str73 (Map 26).

Over the weekend erosion from surface water runoff effected a private driveway at the ROW access road to Str80. E&S was installed to protect wetland W-E11 (Map 28) and in doing so surface water flow went down the private driveway causing significant erosion. See Wetlands Encroachment section below for further details.

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 04/7/2017

Inspector: Paul Cyr

Rain Event: 4/4 (1.0"), 4/6 (7/8")

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

- Thomaston, Map 21 & Map 22, Str61 and Str62
- Litchfield/Thomaston, Map 25 & Map 26, Str70 - Str73, W-E2 & S-E3, DVP-E2-1 & DVP-E2-2
- Litchfield, Map 29, Str81 - Str83, W-F4 & S-F2
- Litchfield, Map 30, Str84, W-F7, W-F8 & S-F5
- Litchfield, Map 31, Str86, Str3236, Str3171
- Harwinton, Map 35, Str95 - Str97 & W-G1

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

Northern was hammering rock and continuing pad construction at Str61. PAR was drilling the base for a direct embed structure at Str71, and pulling lines at structure Str3171 to the south towards Str85.

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.	N/A	N/A
	Bi-Week	Areas inspected today were maintained, no excessive rutting, ponding water, or water flows observed. Water bars and E&S controls are maintained and functioning.	Continue to monitor during rain events and discuss modifications to E&S based on changing seasonal weather conditions.	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. 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.	N/A	N/A
	Bi-Week	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.	Continue to monitor during rain events and discuss modifications to E&S based on changing seasonal weather conditions.	N/A

Erosion and Sedimentation Controls	Interim Week	Several areas require immediate maintenance to installed E&S. The access road to Str24 at W-C1A needs silt fencing repairs and excessive sediment removed (See photo #1). Str83 at W-F4 and S-F2 (Map29) requires silt fence repairs and pad slope armament (stone), rills have formed and sediment from the pad has the potential to effect W-F4 (Photos 9, 10, 11).	Repair and maintain E&S to prevent impacts to wetlands/watercourses and to control migration of water flow and sediments within the project ROW.	N/A
	Bi-Week	Northern was in the areas between Str24 & Str36 performing repairs and installing new E&S controls. Inspection of this area will be performed at the next scheduled date. Areas visited on this date (4/7/17) were maintained and functioning as designed with the exception of in the area of Str83 & W-F4. See >	Pad Str83 needs additional attention to construction and material stability. The addition of straw and sections of silt fence have not improved the conditions. Rills are visible, slump and slides are occurring around the south and eastern edges.	Pending
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	Timber mat installations (temporary access roads and temporary structure pads) in wetland areas are in accordance with the BMPs as outlined in the D&M. Cont. from Observations Section- Eversource Outreach and project contractors responded to repair the driveway and install additional E&S to protect the wetlands, private driveway, and public roadway and drainage basins (See Photos 2-6). Additional E&S controls, protection of roadway catch basins, as well as placement of a stone tracking pad was installed at the abutting Str81 later in the day (3/31/17). Before photos are included as Photos 7 & 8.	Cont. from left column- During dewatering activities at Str96 the silt bag ruptured and the surrounding dirt berm washed into a portion of W-G1(Map 35). Wetland restoration was performed, E&S controls were placed between the pad and the wetlands (See Photos 12, 13 & 14). Dewatering at this pad/structure has been completed.	N/A


<p>Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</p>	<p>Bi-Week</p>	<p>See above E&S section for observations at Str83 & W-F4</p>	<p>See above E&S section.</p>	<p>Pending</p>
<p>Spills and Material Storage</p>	<p>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>The previously reported diesel fuel storage tank has been removed from the site by PAR Electric.</p>	<p>N/A</p>	<p>N/A</p>
	<p>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>N/A</p>	<p>N/A</p>

Rare, Threatened, and Endangered Species	Interim Week	None observed or reported.	Continue to follow BMPs and Rare Species Avoidance and Minimization Measures.	N/A
	Bi-Week	<p>None observed or reported.</p> <p>Work is scheduled to resume at pad Str95 in the next couple of week.</p> <p>BMPs and Rare Species Avoidance and Minimization Measures will be followed in this area.</p>	Continue to follow BMPs and Rare Species Avoidance and Minimization Measures.	A pre-construction meeting will be held meeting the contractors discussing BMPs and Rare Species Avoidance and Minimization Measures.
<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: 4/14/2017

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: 3/31/2017, Watertown: Map 09A, E&S Maintenance required along access road abutting W-C1A.



Photo 2: 3/31/2017, Litchfield: Maps 28 & 29, access road to Str80 abutting private driveway.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
03/31/2017	Paul Cyr	8 of 19	Watertown to Harwinton	Interim Report #8	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 3: 3/31/2017, Litchfield: Maps 28 & 29, access road to Str80 abutting private driveway, repairs made to driveway after surface water runoff erosion was reported by property owner.



Photo 4: 3/31/2017, Litchfield: Maps 28 & 29, access road to Str80 abutting private driveway, repairs made to driveway after surface water runoff erosion was reported by property owner.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
03/31/2017	Paul Cyr	9 of 19	Watertown to Harwinton	Interim Report #8	

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



Photo 5: 3/31/2017, Litchfield: Maps 28 & 29, access road to Str80 abutting private driveway, repairs made to driveway after surface water runoff erosion was reported by property owner.



Photo 6: 3/31/2017, Litchfield: Maps 28 & 29, access road to Str80 abutting private driveway, repairs made to driveway after surface water runoff erosion was reported by property owner.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
03/31/2017	Paul Cyr	10 of 19	Watertown to Harwinton	Interim Report #8	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 7: 3/31/2017, Litchfield: Map 29, Str81 abutting Campville Road, E&S, tracking pad, and catch basin protection needed. Corrections were reportedly made on this day after the time of this inspection.



Photo 8: 3/31/2017, Litchfield: Map 29, Str81 abutting Campville Road, E&S, tracking pad, and catch basin protection needed. Corrections were reportedly made on this day after the time of this inspection.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
03/31/2017	Paul Cyr	11 of 19	Watertown to Harwinton	Interim Report #8	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 9: 3/31/2017, Litchfield: Map 29, Str83 abutting W-F4 and S-F2, failing E&S.



Photo 10: 3/31/2017, Litchfield: Map 29, Str83 abutting W-F4 and S-F2, failing E&S.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
03/31/2017	Paul Cyr	12 of 19	Watertown to Harwinton	Interim Report #8	

Photograph Log Frost Bridge to Campville 115kV Project



Photo 11: 3/31/2017, Litchfield: Map 29, Str83 abutting W-F4 and S-F2, E&S and pad armament required.



Photo 12: 3/31/2017, Harwinton: Map 35, Str96 abutting W-G1, restoration and installation of E&S, post wetland impact.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
03/31/2017	Paul Cyr	13 of 19	Watertown to Harwinton	Interim Report #8	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 13: 3/31/2017, Harwinton: Map 35, Str96 abutting W-G1, restoration and installation of E&S, post wetland impact.



Photo 14: 3/31/2017, Harwinton: Map 35, Str96 abutting W-G1, silt bag and dirt berm, area of release (Photo provided by Matt Davison).

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
03/31/2017	Paul Cyr	14 of 19	Watertown to Harwinton	Interim Report #8	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 15: 04/07/2017, Thomaston: Map25, Timber mat crossing at S-E3.



Photo 16: 04/07/2017, Thomaston: Map25, rock swale to temporary sediment basin/trap for surface water diversion.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/07/2017	Paul Cyr	15 of 19	Watertown to Harwinton	Biweekly Report #9	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 17: 04/07/2017, Litchfield: Map 26, waterbar to temporary sediment basin/trap.



Photo 18: 04/07/2017, Litchfield: Map 29, Stone tracking pad at Str81 and Campville Road.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.
04/07/2017	Paul Cyr	16 of 19	Watertown to Harwinton	Biweekly Report #9

FBC

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 19: 04/07/2015, Litchfield: Map 29, between ROW access road to Str80 (Southard property) and street access to Str81, E&S controls and catch basin drainage protection measures.



Photo 20: 04/07/2017, Litchfield: Map 29, E&S controls at Str83.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/07/2017	Paul Cyr	17 of 19	Watertown to Harwinton	Biweekly Report #9	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 21: 04/07/2017, Litchfield: Map 29, E&S controls at Str83 and W-F4/S-F2.



Photo 22: 04/07/2017, Litchfield: Map 29, E&S controls at Str83, erosion of slope material.

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/07/2017	Paul Cyr	18 of 19	Watertown to Harwinton	Biweekly Report #9	

Photograph Log
Frost Bridge to Campville 115kV Project



Photo 23: 04/07/2017, Litchfield: Map 29, E&S controls at Str83, ponding on top of pad and runoff causing rills to form.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/07/2017	Paul Cyr	19 of 19	Watertown to Harwinton	Biweekly Report #9	