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November 9, 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 #24, for the **October 27th** and **November 3rd, 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', 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: 10/27/2017

Inspector: Paul Cyr

Rain Event: 2.0" (10/25/17)

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

- Watertown, Maps 09-16, Str24 to Str46
- Litchfield, Map 29, Str81 and Str83
- Harwinton, Map 32, Culvert Replacement, W-F11/S-F10
- Harwinton, Map 35, Str95

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

BluRoc and All Green Hydroseed LLC in the area of Str24 to Str46 to start hydroseed application starting from Str46 moving south towards Str24 (Watertown, Maps 09-16).

BluRoc working on the culvert replacement at W-F11/S-F10 (Harwinton, Map 32, see photos1-4)

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 11/03/2017

Inspector: Paul Cyr

Rain Event: 5.0" (10/30/17)

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

- Watertown, Maps 09-16, Str24 to Str46
- Thomaston, Maps 20-20A, Str58 & Str59
- Thomaston, Maps 19-20, Str52-Str57
- Harwinton, Map 32, Culvert Replacement, W-F11/S-F10

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

BluRoc and All Green Hydroseed LLC are in the area of Str24 to Str46 to continue hydroseed application and restoration work.

Areas of Inspection		Observation:	Recommended Action/s:	Corrected Action/s:
Access Roads and Adjacent Roadways	Interim Week	Overall appear to be in good condition with some minor rutting in low lying areas and tight turn areas. Areas will be regraded and maintained as part of the restoration phase.	N/A	N/A
	Bi-Week	Overall appear to be in good condition with some minor rutting in low lying areas and tight turn areas. Heavy rainfall events have saturated surfaces and off access road impacts, (sedimentation) was observed.	Restoration in progress. Areas impacted from the recent heavy rainfall events are being addressed as part of the restoration work.	In Progress
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week	Task Completed	N/A	N/A
	Bi-Week	Task Completed	N/A	N/A

Water Crossings	Interim Week	<p>Additional impacts observed at W-C20 (See Photo #5) from a recent rainfall event, 2.0" of rainfall on 10/25.</p>	<p>Will be addressed during restoration activities.</p>	<p>Pending</p>
	Bi-Week	<p>Additional impacts observed at W-C20 (See Photo #11) from a recent rainfall event, 5.0" of rainfall on 10/30 (see photo 11).</p> <p>Potential sedimentation impacts to W-C15 due to E&S control failure and heavy stormwater flow from recent rainfall events (see photo 14).</p> <p>Timber mats at crossing have buildup of sediments at W-C20 and W-C18 (see photo 12).</p> <p>BluRoc finished work on the culvert replacement at W-F11/S-F10 (Harwinton, Map 32, see photos 7-10).</p>	<p>Impacts to W-20 and breakthrough at W-C15 to be addressed as part of restoration work.</p> <p>Timber mat crossings should be cleared of excess sediment to prevent runoff into wetland and watercourses.</p> <p>Access roads and water bars immediately upland of wetlands and watercourses should be graded and maintained to prevent excessive tracking of road sediments over water crossings.</p>	<p>In Progress</p>

Erosion and Sedimentation Controls	Interim Week	Northern continues maintenance of existing E&S controls throughout the project ROW. Many sections of silt fence and straw bales will need to be replaced at the time of restoration and access road final grading. Many are at their limits functionally and structurally.	Continue to maintain existing E&S controls until veg establishment and stabilization is achieved following restoration activities.	In Progress
	Bi-Week	Same as interim week inspection. Due to heavy rainfall events many sediment traps and silt fencing are at capacity and water bars are flattened out (see photos 11-17).	Continue to maintain existing E&S controls until veg establishment and stabilization is achieved following restoration activities.	In Progress
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	Restoration and upland stabilization of disturbed areas is in progress.	N/A	In Progress

<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 interim week inspection. Restoration and upland stabilization of disturbed areas is in progress at this time.</p>	<p style="text-align: center;">N/A</p>	<p style="text-align: center;">In progress</p>
<p style="text-align: center;">Spills and Material Storage</p>	<p style="text-align: center;">Interim-Week</p>	<p>None observed, none reported.</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 observed, none reported.</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>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>Perimeter silt fencing at Str95 has been removed for the winter season.</p>	Continue to follow BMPs and Rare Species Avoidance and Minimization Measures.	N/A
	Bi-Week	Same as interim week inspection	Continue to follow BMPs and Rare Species Avoidance and Minimization Measures.	N/A

Additional Documentation Comments:

Notes:

The catch basin located immediately south of Str81 on Campville Road is protected at this time(see photo 6). A Straw wattle/tube has been installed to help prevent sediment runoff into the catch basin from the pad. The wattle provides minimal protection at this time. A full length or two full lengths of straw wattle should be installed according to BMPs such that they are installed upland and somewhat parallel with the road side and catch basin. Continued -

Open Items from previous inspections:


The wattle/s should be anchored at multiple points to prevent movement as well as be trenched in below grade to provide structure. As of 11/3/17, no changes made to existing E&S controls or current pad conditions.

Closed Items from previous inspections:

Next likely scheduled inspection: 11/09/2017

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: 10/27/17, Harwinton: Map 32, access road to culvert across W-F11/S-F10.



Photo 2: 10/27/17, Harwinton: Map 32, culvert replacement at W-F11/S-F10.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
10/27/2017	Paul Cyr	8 of 16	Watertown to Harwinton	Interim Report #24	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 3: 10/27/17, Harwinton: Map 32, culvert replacement at W-F11/S-F10.



Photo 4: 10/27/17, Harwinton: Map 32, culvert replacement at W-F11/S-F10.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
10/27/2017	Paul Cyr	9 of 16	Watertown to Harwinton	Interim Report #24	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 5: 10/27/17, Watertown: Map 14, W-C20 sedimentation breakthrough due to recent rainfall event.



Photo 6: 10/27/17, Litchfield: Map 29, catch basin at Str81 west side of Campville Road, straw wattle installed.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
10/27/2017	Paul Cyr	10 of 16	Watertown to Harwinton	Interim Report #24	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 7: 11/03/17, Harwinton: Map 32, access road to culvert spanning W-F11/S-F10, photo taken facing north toward Str87, Str3174, Str3235.



Photo 8: 11/03/17, Harwinton: Map 32, access road to culvert spanning W-F11/S-F10, up gradient side, photo taken facing west toward Valley Road.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
11/03/2017	Paul Cyr	11 of 16	Watertown to Harwinton	Biweekly Report #24	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 9: 11/03/17, Harwinton: Map 32, access road to culvert spanning W-F11/S-F10, down gradient side, photo taken facing east toward W-F11.



Photo 10: 11/03/17, Harwinton: Map 32, access road to culvert spanning W-F11/S-F10, down gradient side, photo taken facing south toward Str87, Str3174, Str3235.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
11/03/2017	Paul Cyr	12 of 16	Watertown to Harwinton	Biweekly Report #24	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 11: 11/03/17, Watertown: Map 14, W-C20 sedimentation breakthrough due to recent rainfall events (2).



Photo 12: 11/03/17, Watertown: Map 14, timber mat crossing at W-C20 excessive sediment buildup and poor road drainage conditions.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
11/03/2017	Paul Cyr	13 of 16	Watertown to Harwinton	Biweekly Report #24	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 13: 11/03/17, Watertown: Map 12, south of Str34 flattened water bar, soft road conditions due to poor surface water drainage.



Photo 14: 11/03/17, Watertown: Map 12, south of Str34 sedimentation through E&S controls slightly upland of W-C15.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
11/03/2017	Paul Cyr	14 of 16	Watertown to Harwinton	Biweekly Report #24	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 15: 11/03/17, Harwinton: Map 32, damaged silt fence south of Str3235 at W-F12.



Photo 16: 11/03/17, Harwinton: Map 32, damaged silt fence south of Str3235 at W-F12.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
11/03/2017	Paul Cyr	15 of 16	Watertown to Harwinton	Biweekly Report #24	

Photograph Log
Frost Bridge to Campville 115kV Project



Photo 17: 11/03/17, Watertown: Maps 09-16, photo of typical sediment trap filled to capacity observed throughout this section of ROW due to recent rainfall events.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
11/03/2017	Paul Cyr	16 of 16	Watertown to Harwinton	Biweekly Report #24	