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October 25, 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 #23, for the **October 13th** and **October 20th, 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: 10/13/2017

Inspector: Paul Cyr

Rain Event:

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 35, Str95
- Harwinton, Map 35, Campville Substation
- Watertown, Map 01, Frost Bridge Substation & Str1B

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

BluRoc was not observed on site at the time of this inspection (mobilizing to Str46-Str24 to resume restoration activities) and PAR was only observed working on the wire connection at Str1B. Some evidence of restoration activities were observed in the areas between Str46 and Str24 (wetland seeding, pad grading and slope stabilization, see photo #4) and timber mat crossings were cleaned of previously reported buildup of sediments (primarily at W-C20, see Photos #1 & 1-1). The perimeter silt fencing at Str95 was removed (no turtle sightings to date). No catch basin protection observed at Str81 (Litchfield, Map 29), nor was there any perimeter E&S controls preventing the stormwater runoff from the pad to enter the roadway and the catch basin.

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 10/20/2017

Inspector: Paul Cyr

Rain Event:

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

- Watertown, Maps 09-16, Str24 to Str46
- Thomaston, Map 17, Str47 and Str48
- Litchfield, Map 29, Str81 and Str83
- Harwinton, Map 35, Str95
- Harwinton, Map 33-35, Str90 to Str95

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

BluRoc was observed on site in the area of Str24 to Str46 continuing restoration activities (See Photo #5) and a crew of 3 was observed starting the culvert replacement at W-F11/S-F10 (Map 32, Harwinton), southwest of Str87 (See Photos #6 and #7).

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	Appear to be in good condition with some minor rutting in low lying areas and tight turn areas. a few waterbars need to be reformed because they have been flattened out due to project equipment/vehicle traffic (will be fixed as part of restoration).	N/A	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>Corrective actions were completed by BluRoc at W-C20. The timber mats were cleared of excess sediments (See photo #1).</p> <p>Timber mat crossings and hard bottom crossings are functioning as designed and appear to be clean of excess buildup of sediments and structurally maintained.</p>	N/A	
	Bi-Week	<p>Timber mats and hard bottom crossings appear to be in good condition and maintained.</p>	N/A	N/A

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 (See Photo #2 and 3).	Continue to maintain existing E&S controls until veg establishment and stabilization is achieved following restoration activities.	In Progress
	Bi-Week	Restoration has begun and discussions were had with BluRoc about replacing and/or restoring existing E&S controls to ensure E&S control effectiveness throughout the winter and vegetation establishment.	N/A	In Progress
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	Restoration and upland stabilization of disturbed areas has begun site wide.	N/A	In Progress

<p>Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</p>	<p>Bi-Week</p>	<p>Restoration and upland stabilization of disturbed areas has begun site wide.</p> <p>The culvert replacement started on the day of this inspection. Markout and elevation surveying was in progress, and rough cuts with an excavator to designate the culvert extents was being done. E&S controls will be put in place where needed and the crew identified two temporary staging areas adjacent to the work area for the excavated soils/sediments.</p>	<p>N/A</p>	<p>In Progress</p>
<p>Spills and Material Storage</p>	<p>Interim-Week</p>	<p>None observed, none reported.</p>	<p>N/A</p>	<p>N/A</p>
	<p>Bi-Week</p>	<p>None observed, none reported.</p>	<p>N/A</p>	<p>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	<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>	N/A	N/A

Additional Documentation Comments:

Notes:

The catch basin located immediately south of Str81 on Campville Road remains unprotected. Sediments buildup in the sump are at or above existing inlet/outlet pipes. Stormwater flow off the Str81 pad should be controlled with perimeter E&S controls or diverted to prevent sedimentation off of the work pad onto Campville Road and subsequently into the effected catch basin.

Open Items from previous inspections:

At the time of this inspection no action had been taken with respect to the above catch basin protection. BluRoc was to resolve the conditions however I did not receive confirmation (photos) that anything was performed after this visit

Closed Items from previous inspections:

Next likely scheduled inspection: 10/27/2017

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: **10/06/17**, Watertown: Map 14, Wetland W-C20 timber mat crossing, sediment buildup on mats. Photo taken from Biweekly Report #22 showing existing sediment buildup and dry conditions.



Photo 1-1: **10/13/17**, Watertown: Map 14, **CORRECTIVE ACTION**-Wetland W-C20 timber mat crossing, sediment buildup cleared, some recent minor buildup however hard-packed into the crevices of the timbers.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
10/13/2017	Paul Cyr	8 of 12	Watertown to Harwinton	Interim Report #23	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 2: 10/13/17, Watertown: General conditions of many sections of silt fence and straw bales alongside of access roads of the ROW. Road base stone and riprap have pushed outward overloading the structural integrity of the E&S controls and many times tearing the fabric and allowing sediments to pass through.



Photo 3: 10/13/17, Watertown: General conditions of many sections of silt fence and straw bales alongside of access roads of the ROW. Road base stone and riprap have pushed outward overloading the structural integrity of the E&S controls and many times tearing the fabric and allowing sediments to pass through.

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10/13/2017	Paul Cyr	9 of 12	Watertown to Harwinton	Interim Report #23	

Photograph Log
Frost Bridge to Campville 115kV Project



Photo 4: 10/13/17, Watertown: Map 15, Str42 partial restoration, grading and preparing for seeding and slope stabilization.

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Photograph Log

Frost Bridge to Campville 115kV Project



Photo 5: 10/20/17, Watertown: Maps 09-16, Str24-Str46, upland slope grading and preparing for seeding for restoration.



Photo 6: 10/20/2017, Harwinton: Map 32, culvert replacement at W-F11/S-F10, culvert halves pictured.

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10/20/2017	Paul Cyr	11 of 12	Watertown to Harwinton	Biweekly Report #23	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 7: 10/20/2017, Harwinton: Map 32, culvert replacement at W-F11/S-F10, southwest of Str87.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
10/20/2017	Paul Cyr	12 of 12	Watertown to Harwinton	Biweekly Report #23	