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September 28, 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 #21, for the **September 15th** and **September 22nd, 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: 09/15/2017

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 22, Str63 and Str64
- Litchfield, Map 29, Str81
- Litchfield, Map 29, Str83
- Harwinton, Maps 35, Str95
- Harwinton, Maps 32-34, Str88-Str94
- Harwinton, Map 32, access road to Str87, proposed culvert replacement area, timber mat crossing at S-F10

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

Northern crew (5) on site in the area of Str24-Str46 collecting tree stumps generated during initial project clearing activities and staging them for pickup in an area off the access road between W-C1A and W-C2a (Map 09A). Northern indicated that after stump work is completed that they were going to resume repairs/maintenance of E&S controls in the area of Str24 - Str46. No work activities by PAR were observed during this inspection.

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 09/22/2017

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 31A, Str86, 3236, 3171
- Harwinton, Maps 34, Str94
- Harwinton, Maps 35, Campville Substation Expansion
- Harwinton, Maps 35, Str95, Str96, and Str97
- Litchfield, Map 29, Str81
- Litchfield, Map 29, Str79 and Str80
- Watertown, Maps 06, Str14 and Str15

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

Works crews not observed on site today during the site inspection. PAR is finalizing work activities and moving through a punch list of items to close out work areas. Northern is organizing the installation of the culvert (Map 32, Harwinton) at W-F11/S-F10 which will be performed in October and continuing maintenance and repairs of E&S controls. Discussions with respect to restoration have been occurring over the last month however, no restoration has been observed on a project wide scale.

Areas of Inspection		Observation:	Recommended Action/s:	Corrected Action/s:
Access Roads and Adjacent Roadways	Interim Week	Access road between Str24 and 46 had no change in conditions as compared to the last inspection on 9/8/17. Access roads in the other areas inspected today appear to be in good condition.	N/A	IN PROGRESS
	Bi-Week	Access roads overall appear to be in good condition. Some minor rills observed in the longer down sloped portions of access road in the areas between Str24 and Str46.	Maintain water bars and plunge pools to control storm water flow upland of perimeter E&S controls	N/A
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week	Task Completed	N/A	N/A
	Bi-Week	N/A	N/A	N/A

Water Crossings	Interim Week	A layer of fine sediments are accumulating on the timber mats over W-C20 and on timber mats at W-C15.	Clear excess sediments from timber mats to prevent impacts to surrounding wetlands/watercourses during rainfall events and from continuous vehicle use.	IN PROGRESS
	Bi-Week	A layer of fine sediments are accumulating on the timber mats over W-C20 and on timber mats at W-C15. Not an excessive quantity but due to the high content of fine mica (very fine grain size) in the materials used to build up the access roads and structure pads, the material has been observed under dry dusty conditions (vehicle traffic causing dusty conditions) and during rain conditions (storm water flow), migrating off the timber mats onto surrounding areas.	Continue monitoring and maintenance of water crossings until restoration phase completed.	N/A

Erosion and Sedimentation Controls	Interim Week	<p>Northern continues maintenance of existing E&S controls throughout the project ROW.</p> <p>In the ROW between Str24 and Str46 some minor buildup of sediments was observed in temporary sediment basins and along sections of silt fence as reported in the previous Biweekly Report (#20). Continued below-</p>	<p>Continue to maintain existing E&S controls until vegetation establishment and stabilization is achieved following restoration activities.</p>	IN PROGRESS
	Bi-Week	<p>09/15/17: As of the date of this inspection, Northern has attended to many of the issues identified in the previous Biweekly Report. See corrective action photos. Northern is continuing to address areas called out in Biweekly Report #20 and has discussed with Matt Davison that some areas will be resolved during restoration activities.</p>	<p>09/22/17: Areas called out in the previous 2 reports have been closed out. Many areas would benefit from restoration or stabilization of upland areas, and areas previously impacted with sedimentation due to storm water runoff.</p>	N/A
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	<p>Sedimentation impacts reported last week in Biweekly Report #20 at W-C20 has been addressed. Excess sediment buildup on perimeter silt fences and hay bales where break through had occurred has been cleared by hand and seed placed for restoration and stabilization (see photo # 4).</p> <p>Other areas called out in Biweekly Report #20 are in the process of being addressed or plan to be during restoration.</p>	N/A	IN PROGRESS

<p style="text-align: center;">Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</p>	<p>Bi-Week</p>	<p>Areas called out in the previous 2 reports have been closed out.</p> <p>Timber mat pad removed from Str78 and placed to the south at Str3244 (Eversource maintenance line work).</p>	<p>Wetland and watercourses impacted by sedimentation would further benefit from restoration/stabilization with an approved wetland seed mix.</p>	<p>N/A</p>
	<p>Spills and Material Storage</p>	<p>Interim-Week</p>	<p>None observed or reported.</p>	<p>N/A</p>
<p>Bi-Week</p>		<p>Ground surface staining was observed at Str14 and Str15 from apparent equipment mechanical leaks. See photo #9.</p> <p>UPDATED-09/27/17, see Photo #12. Spill reported to CTDEEP on 09/22/17 and the impacted materials removed.</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>Continue to follow BMPs and Rare Species Avoidance and Minimization Measures.</p>	N/A
	Bi-Week	<p>No rare, threatened, or endangered species have been observed and/or reported to date.</p> <p>The silt fence surrounding Str95 installed for the purpose of blocking access to turtles, is down in many areas. Maintenance or removal (if appropriate). See photo #10.</p>	<p>Continue to follow BMPs and Rare Species Avoidance and Minimization Measures.</p> <p>If the silt fence barrier is not going to be maintained for the fall/winter months, removal may be appropriate at this time.</p>	N/A

Additional Documentation Comments:

Exclusion fencing along the north edge of the Str94 pad (Map 34, Harwinton) is down and/or missing. Repair and/or replace is required. See Photo #11.

Notes:

Spill report information- PAR called in the report to CTDEEP on 09/22/2017 and Spill No. 201704861 was generated.


Open Items from previous inspections:

Closed Items from previous inspections:

Next likely scheduled inspection: 9/29/2017

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: 09/15/17, Watertown: Map 14, access road north of Str39 to wetland W-C20, water bar flattened out. No changes in road conditions from previous inspection on 09/08/15.



Photo 2: 09/15/17, Watertown: Map 14, at southeast corner of timber mat crossing over wetland W-C20. Corrective actions- CLEARED excess accumulation of sediments.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
09/15/2017	Paul Cyr	8 of 14	Watertown to Harwinton	Interim Report #21	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 3: 09/15/17, Watertown: Map 14, at southeast corner of timber mat crossing over wetland W-C20, breakthrough into W-C20, photo taken at the time of this inspection. SEE PHOTO 4 FOR CORRECTIVE ACTION following inspection.



Photo 4: 09/15/17, Watertown: Map 14, at southeast corner of timber mat crossing over wetland W-C20. CORRECTIVE ACTIONS- Accumulation of sediments into wetlands cleared by hand. Photo provided by Northern of the corrective action taken, after initial inspection on 09/15/17.

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09/15/2017	Paul Cyr	9 of 14	Watertown to Harwinton	Interim Report #21	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 5: 09/15/2017, Watertown: Map 14, at southwest corner of timber mat crossing over wetland W-C20, excess buildup of sediments and sedimentation into W-C20, silt fence repair required. CORRECTIVE ACTION- Cleared excess sediments by hand, silt fence repair still required.



Photo 6: 09/15/17, Watertown: Map 15, access road between Str44 and Str45 at the CT State marked Hiking trail, rills and sediment flow off access road into the access point of hiking trail. CORRECTIVE ACTIONS- Cleared sediments by hand and stabilized with wood chips.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
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Photograph Log

Frost Bridge to Campville 115kV Project



Photo 7: 09/15/17, Watertown: Map 15, access road between Str44 and Str45 approximately 100 feet north of the CT State marked Hiking trail, rills and sediment flow off access road. CORRECTIVE ACTIONS- Cleared sediments by hand and stabilized with wood chips.



Photo 8: 09/15/17, Watertown: Map 13, south of Str36, excess sediments in temporary basin. CORRECTIVE ACTIONS- Cleared excess sediments from basin. Sediment runoff from uncontrolled storm water flow off the access road still in place.

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09/15/2017	Paul Cyr	11 of 14	Watertown to Harwinton	Interim Report #21	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 9: 09/22/17, Watertown: Map 06, Pad at Str15, petroleum release, partial cleanup activities.



Photo 10: 09/22/17, Harwinton: Map 35, timber mat pad at Str95, perimeter silt fencing utilized to prohibit turtle access is in need of repair or removal.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
09/22/2017	Paul Cyr	12 of 14	Watertown to Harwinton	Biweekly Report #21	

Photograph Log
Frost Bridge to Campville 115kV Project



Photo 11: 09/22/17, Harwinton: Map 34, exclusion fencing along the north edge of the pad at Str94 is in need of repair/replacement.

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09/22/2017	Paul Cyr	13 of 14	Watertown to Harwinton	Biweekly Report #21	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 12: UPDATE provided on 09/27/17, Information and photo received from Matt Davison of Davison Environmental. The petroleum release area observed at Str15 and Str14 (Map 6) was reported on 09/22/2017 to the CTDEEP (spill #201704861, badge #205) and removal of the impacted pad material was completed.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
09/27/2017	Paul Cyr	14 of 14	Watertown to Harwinton	Biweekly Report #21	