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July 19, 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 #16, for the **July 7th** and **July 14th 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: 07/07/2017

Inspector: Paul Cyr

Rain Event: 1.5" (6/30-7/1), 0.25+(7/7)

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

- Watertown, Maps 09-16, Str24 to Str46
- Thomaston, Map 17, Str47 & Str48
- Harwinton, Map 35, Str95 & Campville Substation

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

No active work observed at the time of this inspection. Northern was not actively working on site and PAR reportedly only had line crew/s on site, no drilling or structure construction observed.

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 07/14/2017

Inspector: Paul Cyr

Rain Event: 2.0" (7/11), 0.25" (7/14)

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

- Watertown, Maps 09-16, Str24 to Str46

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

Northern on site in the areas of Str24 through Str46 performing E&S control repairs, road maintenance (repairing water bars and cleaning temporary sediment traps), and stabilization/restoration of break through areas (sedimentation).

PAR drilling structure base holes at Str26, Str43 and Str44.

Areas of Inspection		Observation:	Recommended Action/s:	Corrected Action/s:
Access Roads and Adjacent Roadways	Interim Week	Rills on steep sections of access road that were observed during previous inspections (deemed minor at that time) in areas between Str24 and Str46 have become more significant due to recent rainfall.		Pending
	Bi-Week	No changes as of this inspection. Repairs are in progress in the areas between Str24 through Str46. Several significant rain events have occurred since the Interim week inspection. Repairs that had been made are now in need of repair again.		Pending
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week	N/A	N/A	N/A
	Bi-Week	N/A	N/A	N/A

Water Crossings	Interim Week	<p>Timber mat crossing at W-C20/VP-C20-1 has significant sedimentation accumulation. Gaps between timbers are completely filled with sediment and there is approximately 1/4" buildup across the surface. Sedimentation into wetland/Vernal Pool area was observed. See Photos 18 & 19.</p>	Pending
	Bi-Week	<p>The timber mat crossing at W-C20/VP-C20-1 had been cleared but due to recent rainfall events sediments have started to buildup again. Sediment buildup at this time is minimum to moderate. Sedimentation into the wetland/vernal pool area was still present however it did not appear that any additional sedimentation had occurred since the last inspection.</p>	Pending

Erosion and Sedimentation Controls	Interim Week	Excessive sediment buildup on/in silt fences and temporary sediment traps was observed in many areas along the access road between Str24 and Str46. See photos for specific locations and existing conditions.	Pending
	Bi-Week	Sediment had been cleared from most of the areas observed during the interim week inspection. However, rainfall events have again caused buildup in those areas. Sediment buildup at this time is less than what it was at during the Interim inspection. Areas affected by sedimentation were stabilized with blown hay.	Pending
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	Sedimentation was observed in wetlands, watercourses, and a vernal pool (VP-C20-1) in the areas between Str24 and Str46 due to failed E&S controls, uncontrolled surface water flow due to short duration rain events which produced significant rainfall. See photos for specific locations and existing conditions.	Pending

<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>E&S controls (silt fence) have been repaired. Sediment buildup was observed on the same silt fences that were identified in the Interim week inspection. Blown hay was observed in areas that were impacted by sedimentation.</p>		<p style="text-align: center;">Pending</p>
<p style="text-align: center;">Spills and Material Storage</p>	<p style="text-align: center;">Interim-Week</p>	<p>None observed or 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 or 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>	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

Additional Documentation

Comments:

Findings outlined in this report have been communicated to Northern by Matt Davison. However, as of the morning of 7/12/17 Northern had failed to perform corrective actions at many of the locations called out in this report.

Notes:

Cont. from above- No photo documentation of what repairs have been made by Northern are available. Northern representatives (construction supervisors) met with Matt Davison at the locations called out in this report on 7/14/17 to go through the area and discuss corrective actions in the areas specified in this report. The scheduled site inspection was performed prior to their group inspection.

Open Items from previous inspections:


E&S control repairs are on going in the areas between Str24 and Str46. It has been requested that Northern provide photo documentation of repairs and/or improvements when completed so items can be closed out.

Closed Items from previous inspections:

Next likely scheduled inspection: 7/21/2017

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: 07/07/2017, Watertown: Area of Str30 at W-C7, silt fence failure.



Photo 2: 07/07/2017, Watertown: Area of Str34 at W-C15, silt fence failure.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
07/07/2017	Paul Cyr	8 of 17	Watertown to Harwinton	Interim Report #16	

Photograph Log
Frost Bridge to Campville 115kV Project



Photo 3: 07/07/2017, Watertown: Area of Str36, temporary sedimentation trap, excess sediment buildup.



Photo 4: 07/07/2017, Watertown: Area of Str37 at W-C18, silt fence failure, sedimentation into W-C18.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
07/07/2017	Paul Cyr	9 of 17	Watertown to Harwinton	Interim Report #16	

Photograph Log
Frost Bridge to Campville 115kV Project



Photo 5: 07/07/2017, Watertown: Northwest corner of Str38 pad, rills and sedimentation off pad slope and visible surface water runoff from access road down slope.



Photo 6: 07/07/2017, Watertown: Upland of Str38 pad, concrete discharge (truck cleanout).

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
07/07/2017	Paul Cyr	10 of 17	Watertown to Harwinton	Interim Report #16	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 7: 07/07/2017, Watertown: Access road to Str42, excess sediment buildup and silt fence failure, sedimentation into wooded area.



Photo 8: 07/07/2017, Watertown: Access road to Str43, excess sediment buildup in temporary sediment trap.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
07/07/2017	Paul Cyr	11 of 17	Watertown to Harwinton	Interim Report #16	

Photograph Log
Frost Bridge to Campville 115kV Project



Photo 9: 07/07/2017, Watertown: Access road to Str45, excess sediment buildup and silt fence failure.



Photo 10: 07/07/2017, Watertown: Access road to Str45, surface water runoff, sedimentation into wooded area.

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Photograph Log

Frost Bridge to Campville 115kV Project



Photo 11: 07/07/2017, Watertown: Access road to Str45, surface water runoff, sedimentation into wooded area and designated CT State hiking trail access point.



Photo 12: 07/07/2017, Watertown: Access road to Str37 at W-C7, excessive sediment buildup in temporary sediment trap, minor break through and sedimentation, not into W-C7.

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07/07/2017	Paul Cyr	13 of 17	Watertown to Harwinton	Interim Report #16	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 13: 07/07/2017, Watertown: Access road at W-C15, surface water runoff, improperly sized/constructed sedimentation trap. Silt fence failure, sedimentation into W-C15.



Photo 14: 07/07/2017, Watertown: Access road at W-C18, surface water runoff, excessive sediment buildup on silt fence, silt fence failure, sedimentation into W-C18.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
07/07/2017	Paul Cyr	14 of 17	Watertown to Harwinton	Interim Report #16	

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



Photo 15: 07/07/2017, Watertown: Access road at W-C18, surface water runoff, excessive sediment buildup on silt fence, silt fence failure, sedimentation into W-C18.



Photo 16: 07/07/2017, Watertown: Access road at W-C18, surface water runoff, excessive sediment buildup on silt fence, silt fence failure, sedimentation into W-C18.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
07/07/2017	Paul Cyr	15 of 17	Watertown to Harwinton	Interim Report #16	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 17: 07/07/2017, Watertown: Access road at W-C20, surface water runoff, excessive sediment buildup on silt fence, silt fence failure, sedimentation into W-C20.



Photo 18: 07/07/2017, Watertown: Access road at W-C20, surface water runoff, excessive sediment buildup on timber mats, sedimentation into W-C20.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
07/07/2017	Paul Cyr	16 of 17	Watertown to Harwinton	Interim Report #16	

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



Photo 19: 07/07/2017, Watertown: Access road at W-C20, surface water runoff, excessive sediment buildup on silt fence, silt fence failure, sedimentation into W-C20.

07/14/2017:

No photos taken for the Biweekly Report. Same areas identified during the Interim week inspection were identified during this Biweekly week inspection. Repairs are on going in the areas between Str24 through Str46. Photo documentation has been requested of the repairs as they are completed. Photos documenting completed repairs as identified in the Interim and Biweekly reports (7/7/17 & 7/14/17) will be included in future report/s as closed items.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
07/07/2017	Paul Cyr	17 of 17	Watertown to Harwinton	Interim Report #16	