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August 2, 2018

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 #43, for the **July 20<sup>th</sup>** and **July 27<sup>th</sup>, 2018** inspection events for the construction of the Eversource Frost Bridge to Campville 115-kV Project.

If you have any questions, please contact me at [pmartin@trcsolutions.com](mailto:pmartin@trcsolutions.com) or (978) 656-3631.

Sincerely,

A handwritten signature in black ink that reads "Paul D. Martin". The signature is written in a cursive style.

Paul Martin  
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:** 07/20/2018

**Inspector:** Paul Cyr

**Rain Event:**

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

- Watertown, Map 01, Str01A, Str01B, Str02, Str3080
- Watertown, Maps 02-04, Str04-Str09
- Watertown, Maps 09-14, Str24-Str38
- Watertown, Maps 05-06, Str12-Str15

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

Met with Tom Degnan (Burns & McDonnell) to perform the weekly site inspection. No active work observed during today's inspection. BluRoc was not scheduled to be on site until later in the morning-early afternoon time frame to work in the area of Str69.

Areas where BluRoc performed initial restoration over the previous week were inspected today. In-place E&S controls are in accordance with BMPs and functioning. Permanent BMPs were implemented in several areas and shown in attached photos.

See Photos 1 through 6 for more details

**ROW/SUBSTATIONS**

**Bi-Weekly Week Inspection:**

**Date:** 07/27/2018

**Inspector:** Paul Cyr

**Rain Event:** 2.64" (7/25/18), 0.51" (7/26/18)

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

- Watertown, Map 01, Str02, and Str3080
- Watertown, Map 7, Str18
- Watertown, Map 8, Str20
- Watertown, Maps 09-14, Str24-Str39

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

Met with Matt Davison to perform the weekly site inspection. BluRoc is currently working in the areas between Str24 and Str46 performing various restoration and stabilizations tasks. Permanent BMPs are being implemented in areas where vegetation growth has been unsuccessful thus far. Heavy rainfall moved through the area during the previous week following the Interim week inspection. Restoration/stabilization performed in the area over the previous week in the areas of Str24-Str46 was impacted by the rainfall events. BluRoc was in the process of making repairs to newly restored/stabilized areas as well as continuing corrective actions in other areas. The photos included in this report represent conditions following the heavy rainfall events, BluRoc was in the process of making repairs to many of the areas called out in this report.

See Photos 7 through 34 for more details

<b>Areas of Inspection</b>		<b>Observation:</b>	<b>Recommended Action/s:</b>	<b>Corrected Action/s:</b>
<b>Access Roads and Adjacent Roadways</b>	<b>Interim Week</b>	Restoration is in progress. Water bars and sediment basins are being cleaned and/or installed where needed as BluRoc moves throughout the ROW. Stabilization measures (grass) was observed in the areas	between Str32 and Str38, see Photo #3. Continue to monitor access roads until restoration and final stabilization measures are completed and no visible erosion is occurring.	
	<b>Bi-Week</b>	BluRoc is working in the areas between Str24 and Str46. Existing ground conditions ranged from saturated to muddy due to recent rain events. Erosion (rills) was observed in area south of Str30 (see Photo 17). Tire rutting and muddy	conditions were observed in the areas of S-C4 (see Photos 23 & 24), and wetland/vernal pool W-C20/VP-C20-1 (see Photos 31-32). Restore and stabilize areas.	
<b>Vegetative Clearing Limits (Including trees to save or danger trees noted.</b>	<b>Interim Week</b>	All clearing is completed.	N/A	
	<b>Bi-Week</b>	All clearing is completed.	N/A	

<b>Water Crossings</b>	<b>Interim Week</b>	<p>Timber mats are being removed as restoration continues. Water crossings are being restored in accordance with BMPs.</p>	<p>Site restoration and stabilization is in progress at this time. Areas will continue to be monitored through initial restoration and final stabilization.</p>	
	<b>Bi-Week</b>	<p>Visible impacts were observed at watercourse S-C4 (see Photos 23 &amp; 24), and wetland/vernal pool W-C20/VP-C20-1 (see Photo 31-34). Access roads in these areas are saturated and muddy following recent rainfall. Timber mats were removed previously following restoration efforts performed throughout this area. Due to failed stabilization and/or erosion due to heavy rainfall events, BluRoc had to reenter the area to perform maintenance and/or additional restoration. Project vehicle traffic in the area of S-C4 and W-C20/VP-C20-1 disturbed saturated access roads creating muddy conditions which impacted these water crossings.</p>	<p>Restore and stabilize areas in accordance with BMPs.</p>	

<b>Erosion and Sedimentation Controls</b>	<b>Interim Week</b>	As restoration/stabilization of disturbed ground areas throughout the ROW are being performed, the required E&S control repairs/replacements are being addressed. All E&S Controls are in accordance with BMPs at this time. Where erosion is occurring and stabilization has failed previously, permanent BMPs are being implemented. See Photos 1 through 6.	Continue to monitor and report E&S deficiencies and/or failures to the project inspector and contractor.	
	<b>Bi-Week</b>	Failing E&S controls observed in several areas inspected. See Photos 7 through 32 for details. Repairs and/or replacements needed.	Repair/replace or install new E&S controls in accordance with BMPs and in accordance with the D&M Plan.	
<b>Inland Wetland &amp; Watercourse encroachment &amp; mitigation</b>	<b>Interim Week</b>	<p>BluRoc has personnel on site performing restoration, stabilization, and E&amp;S control repairs/replacements.</p> <p>Conditions appear to be the same as the previous inspection. No impacts to wetlands or watercourses observed.</p>	Continue to monitor the stabilization of disturbed ground surfaces and storm water runoff from upland areas.	

<p><b>Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</b></p>	<p><b>Bi-Week</b></p>	<p>See comments in Water Crossing section, Page 3. Specifically, impacts to S-C4 and W-C20/VP-C20-1 (Photos 23-24 and 31-34).</p>	<p>Restore and stabilize areas, install E&amp;S controls in accordance with BMPs to prevent impacts to wetlands and watercourse.                  Continue to monitor the stabilization of disturbed ground surfaces and access road erosion during storm events and surface water runoff from upland areas.</p>	
<p><b>Spills and Material Storage</b></p>	<p><b>Interim-Week</b></p>	<p>None observed, none reported.</p>	<p>N/A</p>	
	<p><b>Bi-Week</b></p>	<p>None observed, none reported.</p>	<p>N/A</p>	

<b>Rare, Threatened, and Endangered Species</b>	<b>Interim Week</b>	None observed, no sightings reported BluRoc.	N/A	
	<b>Bi-Week</b>	None observed, no sightings reported BluRoc.	N/A	

**Additional Documentation Comments:**

**Notes:**

**Open Items from previous inspections:**  
 See attached Photo log

**Closed Items from previous inspections:**  
 See attached Photo Log.

**Next likely scheduled inspection:** 08/03/2018 \_\_\_\_\_

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: Interim Report # 42, Photo 2: 07/06/2018, Watertown: Map 01, Str1A pad slope erosion, no stabilization. Photo taken facing north CT wetland. **SEE PHOTO 1A and 1B FOR CORRECTIVE ACTIONS, PERMANENT BMPs.**



Photo 1A: 07/20/2018, Watertown: Map 01, Str1A, **CORRECTIVE ACTION**- Rip rap armored slope in erosion area shown in Photo 1, cleared sediment buildup on silt fence and reset silt fence.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/20/2018	Paul Cyr	8 of 28	Watertown to Harwinton	Interim Report #43	

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



Photo 1B: 07/20/2018, Watertown: Map 01, Str1A, **CORRECTIVE ACTION**- Constructed berm at edge of pad upland of slope erosion area shown in Photos 1 and 1A.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/20/2018	Paul Cyr	9 of 28	Watertown to Harwinton	Interim Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 2: Interim Report # 42, Photo 6: 07/06/2018, Watertown: Map 03, Str07 pad and slope erosion, hydro seed application last fall, no visible growth. Photo taken facing east off of the south slope of pad.  
**SEE PHOTOS 2A, 2B, 2C, and 2D FOR CORRECTIVE ACTIONS, PERMANENT BMPs.**



Photo 2A: 07/20/2018, Watertown: Map 03, Str07, **CORRECTIVE ACTION**- Rip rap armored slope in areas of slope erosion as shown in Photo 2.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/20/2018	Paul Cyr	10 of 28	Watertown to Harwinton	Interim Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 2B: Interim Report # 42, Photo 4: 07/06/2018, Watertown: Map 03, Str05 pad and slope erosion, no stabilization. Photo taken facing north.



Photo 2C: 07/20/2018, Watertown: Map 03, Str07, **CORRECTIVE ACTION**- Rip rap armored slope in areas of slope erosion as shown in Photos 2 and 2B.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/20/2018	Paul Cyr	11 of 28	Watertown to Harwinton	Interim Report #43	

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



Photo 2D: 07/20/2018, Watertown: Map 03, Str07, **CORRECTIVE ACTION**- Rip rap berm along top of pad, upland of slope erosion shown in Photos 2 and 2B.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/20/2018	Paul Cyr	12 of 28	Watertown to Harwinton	Interim Report #43	

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



Photo 3: 07/20/2018, Watertown: Maps 11-13, access roads between Str32 and Str38, observed multiple stretches of the access road with varying degrees of vegetation (grass) growth.



Photo 4: 07/20/2018, Watertown: Map 06, Str14, stabilization measures successful, no erosion visible.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/20/2018	Paul Cyr	13 of 28	Watertown to Harwinton	Interim Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 5: 07/20/2018, Watertown: Map 05, Str13, property owner interference with initial restoration/stabilization measures. This area is reportedly not going to be restored by the project.



Photo 6: 07/20/2018, Watertown: Map 02, Str12, stabilization measures in progress, no erosion visible.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/20/2018	Paul Cyr	14 of 28	Watertown to Harwinton	Interim Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 7: 07/27/2018, Watertown: Map 07, Str18 work pad, fine sediments continue to wash out of exposed non-stabilized/non-vegetated soils during rain events. Sediments are moving to the southeast toward the abutting wetland (W-B6). Photo taken facing southeast. **Photos 8-12 are additional views of conditions at Str18.**



Photo 8: 07/27/2018, Watertown: Map 07, Str18 work pad, fine sediments continue to wash out of exposed non-stabilized/non-vegetated soils during rain events. Sediments appear to be accumulating on the upland side of the structure foundation. Photo taken facing southeast.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	15 of 28	Watertown to Harwinton	Biweekly Report #43	



## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 9: 07/27/2018, Watertown: Map 07, Str18 work pad, fine sediments continue to wash out of exposed non-stabilized/non-vegetated soils and slope erosion is occurring. Observed failing E&S with sediments passing under/through silt fence (see Photo 10). Silt fence maintenance is needed per the BMPs.



Photo 10: 07/27/2018, Watertown: Map 07, Str18, failing E&S and sediments passing under/through silt fence near or into wetland W-B6. Silt fence maintenance needed per the BMPs. Photo taken facing southeast.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	16 of 28	Watertown to Harwinton	Biweekly Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 11: 07/27/2018, Watertown: Map 07, Str18 work pad and slope, slope erosion occurring, silt fence maintenance needed (tattered and sagging due to sediment buildup). Stabilization measures in place consists of a single layer of stone (inconsistently placed with areas of exposed soils) and straw mulch placed on slope (no grass seed applied to pad slopes). Sediments have accumulated at the toe of the slope due to recent heavy rainfall events. Photo taken facing east. See Photo 12 for additional view.



Photo 12: 07/27/2018, Watertown: Map 07, Str18 work pad and slope, close up view of area as shown in Photo 11.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	17 of 28	Watertown to Harwinton	Biweekly Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 13: 07/27/2018, Watertown: Map 08, Str20 pad and slope area, erosion off end of berm area (north to east corner of work pad). Photos 13-16 are additional views of conditions at Str20.



Photo 14: 07/27/2018, Watertown: Map 08, Str20 pad and slope area, slope erosion at north corner of pad. Straw mulch placed on slope surfaces, no seeding of slope.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	18 of 28	Watertown to Harwinton	Biweekly Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 15: 07/27/2018, Watertown: Map 08, Str20 access road erosion onto the work pad and off of the south corner of the pad (see Photo 16).



Photo 16: 07/27/2018, Watertown: Map 08, Str20 access road erosion (as shown in Photo 15), fines moving off of south corner of work pad.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	19 of 28	Watertown to Harwinton	Biweekly Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 17: 07/27/2018, Watertown: Map 11, south of Str30, access road erosion into constructed rip rap swale and sediment trap. Photo taken facing north toward Str30. See Photo 18 for additional view.



Photo 18: 07/27/2018, Watertown: Map 11, south of Str30, access road erosion immediately upland of constructed rip rap swale and sediment trap (as shown in Photo 17).

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	20 of 28	Watertown to Harwinton	Biweekly Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 19: 07/27/2018, Watertown: Map 12, Str33 pad and slope, rip rap berm and leak offs constructed along east side of work pad. Washed out sediments observed off of the pad/slope. See Photo 20 for additional view.



Photo 20: 07/27/2018, Watertown: Map 12, Str33 pad and slope, rip rap berm and leak offs constructed. Stone dust and fines washed out of the rip rap and travelled off the pad. No impacts to wetlands or watercourse in this area.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	21 of 28	Watertown to Harwinton	Biweekly Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 21: 07/27/2018, Watertown: Map 12, access road between Str34 and Str35, water bar and sediment trap, overloaded with fines, failing silt fence and degraded straw bales, sediments breaking through and moving toward wetland W-C15. See Photo 22 for additional view.



Photo 22: 07/27/2018, Watertown: Map 12, access road between Str34 and Str35, water bar and sediment trap, overloaded with fines, failing silt fence and degraded straw bales, sediments breaking through and moving toward wetland W-C15.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	22 of 28	Watertown to Harwinton	Biweekly Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 23: 07/27/2018, Watertown: Map 12, access road between Str34 and Str35 at watercourse/wetland S-C4/W-C15, muddy conditions, turbidity at crossing. Photo taken facing south. See Photo 24 for additional view.



Photo 24: 07/27/2018, Watertown: Map 12, access road between Str34 and Str35 at watercourse/wetland S-C4/W-C15, muddy conditions, turbidity at crossing.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	23 of 28	Watertown to Harwinton	Biweekly Report #43	



## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 25: 07/27/2018, Watertown: Map 12, Str35, Permanent BMPs installed at this location. BluRoc constructed a rip rap berm and swale along the south edge of work pad to help prevent slope erosion. See Photo 26 for additional view.



Photo 26: 07/27/2018, Watertown: Map 12, Str35 rip rap berm and swale constructed along south edge of work pad. Photo taken facing northeast. Area appeared to have performed properly during heavy rainfall events.

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07/27/2018	Paul Cyr	24 of 28	Watertown to Harwinton	Biweekly Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 27: 07/27/2018, Watertown: Map 13, Str38, continued erosion of north slope and sediment buildup at toe of slope. Photo taken facing east from the access road toward wetland south end of W-C20. See Photo 28 for additional view.



Photo 28: 07/27/2018, Watertown: Map 13, Str38, continued erosion of north slope with buildup of sediments at toe of slope.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	25 of 28	Watertown to Harwinton	Biweekly Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 29: 07/27/2018, Watertown: Map 14, Str39, continued erosion of east slope abutting wetland/vernal pool W-C20/VP-C20-1. Photo taken facing east. Silt Fence Maintenance is needed per the BMPs. See Photo 30 for additional view.



Photo 30: 07/27/2018, Watertown: Map 14, Str39, continued erosion of east slope abutting wetland/vernal pool W-C20/VP-C20-1. Sediment buildup at toe of slope against silt fence abutting wetland/vernal pool.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	26 of 28	Watertown to Harwinton	Biweekly Report #43	

## Photograph Log

### Frost Bridge to Campville 115kV Project



Photo 31: 07/27/2018, Watertown: Map 14, access road north of Str39 crossing wetland/vernal pool W-C20/VP-C20-1, continued movement of fine during rain events impacting wetland/vernal pool. Photo taken facing northeast. See Photos 32, 33, and 34 for additional views of conditions in this area.



Photo 32: 07/27/2018, Watertown: Map 14, access road north of Str39 crossing wetland/vernal pool W-C20/VP-C20-1, continued movement of fine sediments during rain events impacting wetland/vernal pool. Photo taken facing southwest.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	27 of 28	Watertown to Harwinton	Biweekly Report #43	

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



Photo 33: 07/27/2018, Watertown: Map 14, access road north of Str39 crossing wetland/vernal pool W-C20/VP-C20-1, continued movement of fine sediments during rain events impacting wetland/vernal pool. Photo taken facing south into the wetland/vernal pool from the access road.



Photo 34: 07/27/2018, Watertown: Map 14, access road north of Str39 crossing wetland/vernal pool W-C20/VP-C20-1, continued movement of fine sediments during rain events impacting wetland/vernal pool. Failing E&S controls. Photo taken facing south into the wetland/vernal pool from the access road.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>FBC</b>
07/27/2018	Paul Cyr	28 of 28	Watertown to Harwinton	Biweekly Report #43	