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May 10, 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 #11, for the **April 28th** and **May 5th 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: 04/28/2017

Inspector: Paul Cyr

Rain Event: 3/4" rain (4/25-4/26)

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

- Watertown, Map 1, Str1A
- Watertown, Maps 09-14, Str24 - Str40, various wetlands, vernal pools, and water crossings
- Thomaston, Maps 15-21, Str50-Str59
- Thomaston, Maps 23-24, Str65-Str69
- Litchfield, Map 29, Str81 & Str82

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

Northern was performing E&S and access road maintenance between Str24 and Str40, structure pads and pull pads prep and/or construction at Str39, 40, 50, 52, and Str58. PAR was drilling structure base holes at Str1A and Str81.

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 05/05/2017

Inspector: Paul Cyr

Rain Event: 2.25" (5/5/ & 5/6)

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

- Watertown, Maps 09-14, Str24 - Str40, various wetlands, vernal pools, and water crossings
- Watertown, Map 09, Str22 and Str23
- Watertown, Map 17, Str49
- Thomaston, Map 20A, Str58
- Thomaston, Map 22, Str63 and Str64, W-D12/VP-D12-1
- Harwinton, Map 34, Str94
- Harwinton, Map 35, Campville Substation

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

Northern was performing access road and E&S maintenance between Str24 and Str46 (Maps 09-16) . Northern was constructing work pads at Str42 (Map15) and Str49 (Map 17, Photo #7). PAR was drilling structure base holes at Str64 (Map 22, Photo 9) and at Str94 (Map 34).

Areas of Inspection		Observation:	Recommended Action/s:	Corrected Action/s:
Access Roads and Adjacent Roadways	Interim Week	In the area of wetland W-C18 (Watertown, Map 13), excessive rutting and ponding was observed, E&S controls required maintenance, and road requires regrading and stone or matting. See photo #1.	Discussed with Matt Davison and Northern crew, the area will be stabilized and matted to prevent further rutting, and E&S controls will be repaired.	Northern stated they would tend to this area immediately.
	Bi-Week	Access and adjacent roadways are clear and maintained. No excessive rutting or ponding of surface water observed. Improvements made in the area of W-C18, performed after the 4/28/17 inspection. See photos #5 & 6.	Continue to monitor and maintain.	N/A
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week	No out of bounds or excessive clearing observed. Areas currently being cleared are flagged and flagging is updated when needed. ROW photos taken, see photos #2, 3,4.	N/A	N/A
	Bi-Week	No out of bounds or excessive clearing observed. Areas currently being cleared are flagged and flagging is updated when needed.	N/A	N/A

Water Crossings	Interim Week	<p>All crossings appear to be functioning in accordance with BMPs. No sediment appears to be entering the streams or wetlands. Timber mat crossings and hard bottom crossings are clear of excessive buildup of sediments. Timber mat pads and temporary access roads are placed to minimize disturbance and according to BMPs.</p>	N/A	N/A
	Bi-Week	<p>All crossings appear to be functioning in accordance with BMPs. No sediment appears to be entering the streams or wetlands through or by cause of project traffic. Timber mat crossings and hard bottom crossings are clear of excessive buildup of sediments. Timber mat pads and temporary access roads are placed to minimize disturbance to ground surfaces and are constructed according to BMPs. See Str63 & Str64 timber mat pad at W-D12/VP-D12-1, photos #9 and 10.</p>	<p>Continue to maintain and clear excessive build up of sediments to prevent the accidental sedimentation into wetlands and watercourses. Monitor for rare species in designated areas where required.</p>	N/A

Erosion and Sedimentation Controls	Interim Week	Northern continues installation and maintenance of E&S controls improving access road conditions in the ROW significantly. Stone tracking pads, water bars and temporary sediment basins/plunge pools have improved upland diversion of surface water runoff from entering downgradient wetlands, watercourses, and other sensitive areas. Silt fencing and hay bales utilized for perimeter controls.	Maintain existing E&S controls, install new controls to control surface water runoff where needed, prevent sedimentation to sensitive areas caused by project vehicle traffic (rutting or widening of access roads due to soft conditions), and minimize the tracking of materials across timber mat crossings.	N/A
	Bi-Week	Silt fencing placed since the last site inspection 4/28/17 in the area of W-C18 (Watertown, Map13) requires maintenance. See photos # 5 and 6.	Matt Davison spoke with Northern's E&S crew. The maintenance will be addressed. Will reinspect during next scheduled Site Inspection on 5/12/2017.	PENDING As of this report no action has been taken by Northern to repair silt fence.
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	Timber mat installations (temporary access roads and temporary structure pads) in wetland areas are in accordance with the BMPs. See photos #9 and 10.	Continue to maintain and clear excessive build up of sediments to prevent the accidental sedimentation into wetlands and watercourses.	N/A

Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)	Bi-Week	<p>Timber mat installations (temporary access roads and temporary structure pads) in wetland areas are in accordance with the BMPs.</p>	<p>Continue to maintain and clear excessive build up of sediments to prevent the accidental sedimentation into wetlands and watercourses. Monitor for rare species in designated areas where required.</p>	
Spills and Material Storage	Interim-Week	<p>None reported or observed.</p> <p>Emergency spill kits were observed in all active work areas and secondary containment procedures are implemented when refueling of equipment.</p>	N/A	N/A
	Bi-Week	<p>None reported or observed.</p> <p>Emergency spill kits were observed in all active work areas and secondary containment procedures are implemented when refueling of equipment.</p>	N/A	N/A

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>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> <p>Monitor areas for Rare Species prior to starting work activities each day in designated areas.</p>	N/A

**Additional Documentation
 Comments:**

A significant rainfall event is forecast for the upcoming weekend (5/13 & 5/14). A request was made to repair and maintain E&S controls to prevent impacts to wetlands, vernal pools, and other sensitive areas prior to the rain event.

Notes:

An email was sent to Matt Davison requesting checks of the project E&S controls site wide and specifically within the area of W-C18. Matt will follow up with Northern on the repair of E&S controls within areas discussed in this report. TRC will revisit these areas during the scheduled inspection on 5/12/17 to ensure corrective actions were taken.


Open Items from previous inspections:

Closed Items from previous inspections:

Next likely scheduled inspection: 5/12/2017

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: 4/28/2017, Watertown: Map 13, Wetland W-C18 impacts, ponding, rutting, failed E&S controls.



Photo 2: 4/28/2017, Thomaston: Maps 21 & 25, ROW photo, Str60 to Str70 in the far distance at the top of the ridge.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/28/2017	Paul Cyr	8 of 12	Watertown to Harwinton	Interim Report #11	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 3: 4/28/2017, Thomaston: Maps 24 & 25, ROW photo, at Str69 to Str70 at the top of the ridge.



Photo 4: 4/28/2017, Thomaston: Map 25, ROW photo, at Str69 to Str70 at the top of the ridge.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
04/28/2017	Paul Cyr	9 of 12	Watertown to Harwinton	Interim Report #11	

Photograph Log

Frost Bridge to Campville 115kV Project



Photo 5: 05/05/2017, Watertown: Map 13, E&S controls and access road improvements in area of wetland W-C18.



Photo 6: 05/05/2017, Watertown: Map 13, E&S repairs needed in area of wetland W-C18.

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
05/05/2017	Paul Cyr	10 of 12	Watertown to Harwinton	Biweekly Report #11	

Photograph Log Frost Bridge to Campville 115kV Project



Photo 7: 05/05/2017, Watertown: Map 17, Str49 Pad construction, rock hammering and rough grading.



Photo 8: 05/05/2017, Thomaston: Map 18, Str50 pad construction completed.

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
05/05/2017	Paul Cyr	11 of 12	Watertown to Harwinton	Biweekly Report #11	

Photograph Log Frost Bridge to Campville 115kV Project



Photo 9: 05/05/2017, Thomaston: Map 22, PAR drilling to install a drilled shaft vertical deadend steel structure.



Photo 10: 05/05/2017, Thomaston: Map 22, timber mat pad at Str63-Str64, & wetland W-D12 and vernal pool VP-D12-1.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
05/05/2017	Paul Cyr	12 of 12	Watertown to Harwinton	Biweekly Report #11	