

Wannalancit Mills 650 Suffolk Street Lowell, MA 01854

978,970.5600 PHONE 978,453,1995 FAX

www.TRCsolutions.com

February 27, 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 #5 – Independent Environmental Inspector Report

Dear Mr. Stein,

Please find enclosed the Biweekly Independent Environmental Inspector Report, Report #5, for the **February 17<sup>th</sup>** and **February 23, 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 <u>kobrion@trcsolutions.com</u> or (508) 298-1009.

Sincerely,

mass

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 Harwington, 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: 02/17/2017

Inspector: Paul Cyr

Rain Event: 1.34" (Including 11" snowfall on 2/10/17)

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

-Harwinton, Maps 32 through 35, Str88 through Str94
-Litchfield, Map 26, Str73 and Str74, mech. clearing
-Litchfield, Map 26, DVP-E2-1 and DVP-E2-2
-watertown, Map 10, Str27, pad constr/rock hammering
-Watertown, Map 10, Str29, mech. clearing
-Watertown, Map 10, DVP C4-1 & W-C4 crossing

#### **ROW/SUBSTATIONS**

**Bi-Weekly Week Inspection:** 

Date: 2/23/2017

Inspector: Paul Cyr

Rain Event:

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

-Watertown, Map 1, Str1A, Str1B, Str3080 -Watertown, Map 9A-10, Str26, Str27, Str28, W-C1/S-C1 -Litchfield, Map 26, DVP-E2-1, DVP-E2-2 -Litchfield, Map 28, Str78, Str79, W-E10, VP-E9-1 -Harwinton, Map 35, Str95, W-F15, S-F14

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

PAR Electrical Contractor was drilling Guide anchor holes for the proposed construction of temporary structures at Str88, Mechanical clearing and wood chipping was occurring at Str74 through Str77, and rock hammering and grading was occurring at Str27 to prepare the area for pad construction.

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

Final pad construction of Str27 and Str28 (Placement of base material, grading, and roller compaction), and placement of timber mats at Str78 and the Timber mat access road between Str78 and Str79 was observed at the time of this Site inspection. Access road maintenance was also observed on the stretch of ROW between High Meadow Road, Watertown to Str24 (Map 09A).

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Areas of Inspection		Observation:	Recommended Action/s:	Corrected Action/s:
cent Roadways	Interim Week	Appeared clean and maintained	N/A	N/A
Access Roads and Adjacent Roadways	Bi-Week	Access roads are for the most part in good conditions, some areas of heavy equipment and truck traffic are soft and rutted. Northern is keeping up with maintenance of access roads and sweeping of public roadways at entry points to ROWs.	Continue to monitor road conditions and keep tracking pads and timber mats clean of accumulated/ tracked sediments.	N/A
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week	Mechanical clearing was occurring in the area of Str74 through Str77. The area to be cleared including wetlands and other sensitive areas were flagged and clearly visible. no out of bounds and excessive clearing was observed.	N/A	N/A
Vegetative Clearing Limits (I	Bi-Week	Mechanical clearing and hand clearing continues site wide. Areas to be cleared including wetlands and other sensitive areas are flagged and clearly visible. Areas cleared to date; no out of bounds and excessive clearing has been observed.	N/A	N/A

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		Water crossings (Timber mats) appeared maintained and clear of tracked sediments.	Continue to monitor site conditions and clear buildup of sediments on timber mats at water crossings.	N/A
	Interim Week			
WaterCrossings		Water crossings (Timber mats) appeared maintained and clear of tracked sediments. No turbidity or sediment buildup observed.	Continue to monitor site conditions and clear buildup of sediments on timber mats at water crossings.	N/A
	Bi-Week			

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Erosion and Sedimentation Controls	Interim Week	The area overall is snow covered at this time. E&S is present in areas of active work and maintained. The installation of water bars at designated points is occurring on an as needed basis at this point.	Water bars should be implemented at designated areas to keep access roads clear of surface water flows and ponding in low lying areas. At this time snow melt is occurring and a minimal amount of surface flow is occurring. However, in the event of a significant rainfall event (Short burst or long durational), the chance	N/A <u>cont. from left columns</u> of heavy surface water flows will occur and likely any standalone E&S (Hay bales, Silt fence) will not suffice. Runoff must be diverted from access roads to uplands prior to encountering perimeter controls.
Erosion and Sedi	Bi-Week	E&S controls that have been installed to date are maintained and functioning as designed. Northern has installed several water bars along ROW access roads since 2/17 to divert surface water from snow melt off road surfaces upland of perimeter controls and sensitive areas.	Continue to monitor conditions and control surface water runoff upland of low lying perimeter controls.	N/A
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	Hand clearing has been occurring in and around designated wetland areas. No excessive disturbance was observed. Area flagging is updated and tailboard discussions (covering BMP's) performed prior to working in these areas.	N/A	N/A

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Bi-Week	Timber mats have been placed at Str78 (Map28) and construction of the timber mat access road to Str79 (Map28) through W-E10 has started. the BMPs (Detail Sheet 3) for an elevated timber mat road for animal crossing were referenced. At the time of this site inspection, the mats were placed with a 50-foot span between each 10' crossing. Northern is changing from the 50-foot span down to a 33' span moving foward with the rest of the timber mat road construction.	N/A	N/A
Interim-Week	None observed or reported.	N/A	N/A
Bi-Week	None observed or reported.	N/A	N/A
	k Interim-Week	Str78 (Map28) and construction of the timber mat access road to Str79 (Map28) through W-E10 has started. the BMPs (Detail Sheet 3) for an elevated timber mat road for animal crossing were referenced. At the time of this site inspection, the mats were placed with a 50-foot span between each 10' crossing. Northern is changing from the 50-foot span down to a 33' span moving foward with the rest of the timber mat road construction.         None observed or reported.         None observed or reported.         None observed or reported.	Str78 (Map28) and construction of the timber mat access road to Str79 (Map28) through W-E10 has started. the BMPs (Detail Sheet 3) for an elevated timber mat road for animal crossing were referenced. At the time of this site inspection, the mats were placed with a 50-foot span between each 10' crossing. Northern is changing from the 50-foot span down to a 33' span moving foward with the rest of the timber mat road construction.         None observed or reported.       N/A         None observed or reported.       N/A

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ed Species	Interim Week	None observed or reported.	N/A	N/A
Rare, Threatened, and Endangered Species	Bi-Week	None observed or reported.	N/A	N/A
Additional Comments Notes:	Doc s:	umentation		
		m previous inspections: om previous inspections:		

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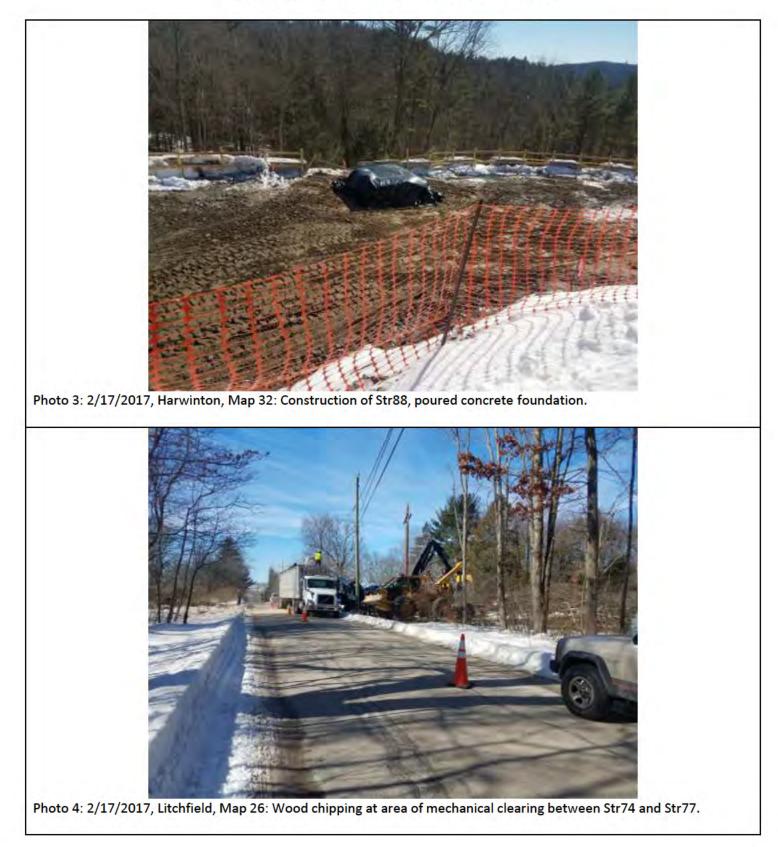
Next likely scheduled inspection: 3/2/2017

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: Tan R. Gy Reviewer:



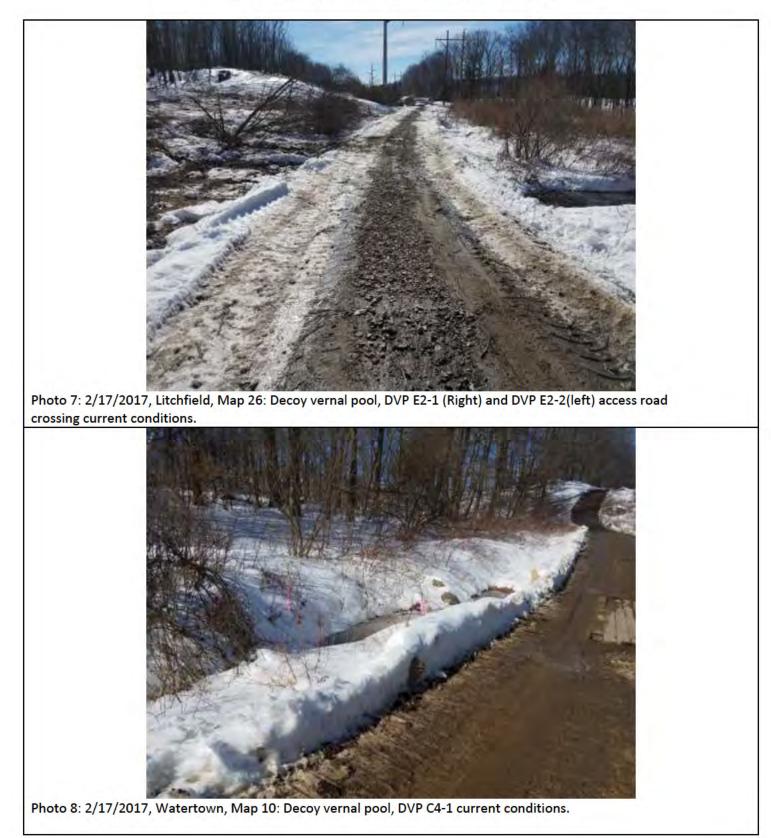
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02/17/2017	Paul Cyr	8 of 17	Watertown to Harwinton	Interim Report #5	FBC



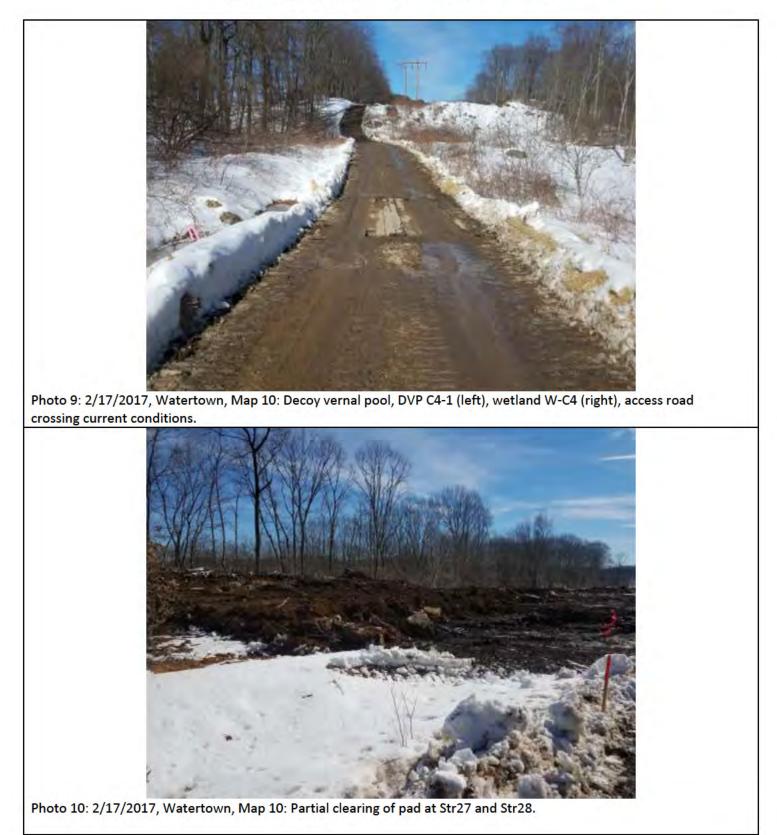
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02/17/2017	Paul Cyr	10 of <b>17</b>	Watertown to Harwinton	Interim Report #5	FBC



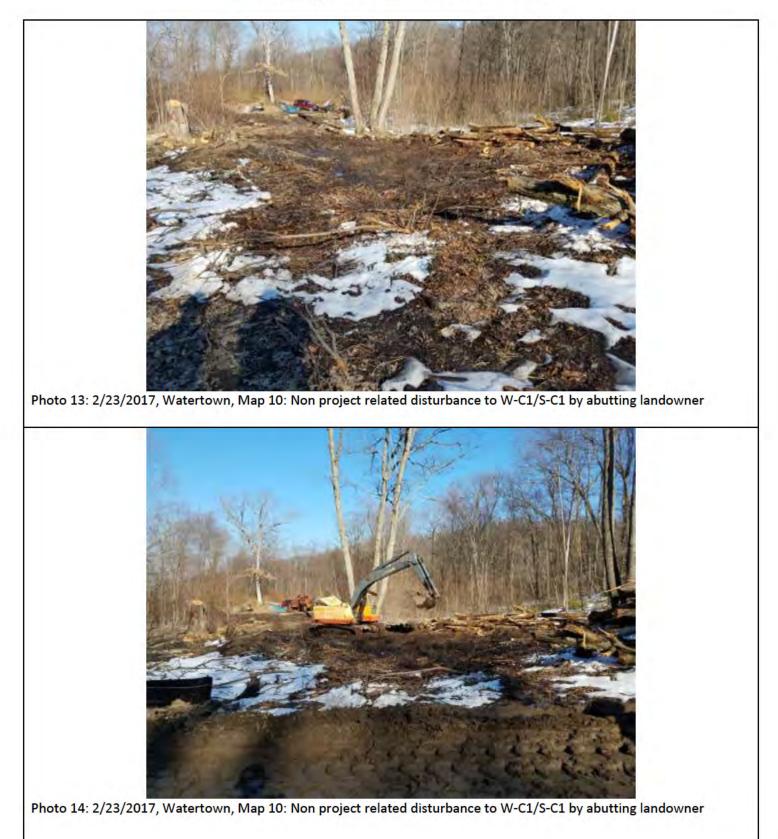
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Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	
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Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	
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Photo 17: 2/23/2017, Litchfield, Map 26: Access road below water bar and plunge pool upland of W-E2, DVP-E2-1 and DVP-E2-2.



Photo 18: 2/23/2017, Litchfield, Map 28: Timber mat access road from Str78 to Str79 through W-E10, with 10'+/- animal crossing spaced every 36' along the approximate 500-foot run.

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	FBC
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Photo 19: 2/23/2017, Harwinton, Map 35: Str95, matted pad, silt fencing still to be installed around exterior edge of mats to prevent turtle access per BMPs.



Photo 20: 2/20/2017, Map 11: Non project related disturbance to Vernal pool VP C12-1, ATV tracks .

Date:.	Photographs Taken By:	Page No.	Town/s	Report/No.	
02/23/2017	Paul Cyr	17 of 17	Watertown to Harwinton	Biweekly Report #5	FBC