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May 30, 2018

Mr. Robert Stein, Chairman  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

**Subject: Docket No. 468, Plumtree Substation to Brookfield Junction 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 #17, for the **May 17<sup>th</sup>**, and **May 24<sup>th</sup>, 2018** inspection events for the construction of the Eversource Plumtree Substation to Brookfield Junction 115-kV Project.

If you have any questions, please contact me at [kobrion@trcsolutions.com](mailto:kobrion@trcsolutions.com) or (508) 298-1009.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kevin M. O'Brion', is positioned above the typed name.

Kevin M. O'Brion  
Environmental Scientist/Project Manager  
TRC Environmental Corp.

Enclosure

cc- Ian Cole (email), Eversource  
TRC Files  
Paul Cyr-TRC

**Docket No. 468– 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 Southwest Connecticut Reliability Project, specifically the Plumtree to Brookfield 115-kV Transmission Line and the Plumtree Substation in Bethel (Project). For the Project, Eversource is in the process of constructing a new 3.4-mile, overhead electric transmission line between its Plumtree Substation in the Town of Bethel and its Brookfield Junction Substation in the Town of Brookfield, and also making minor related modifications to the Stony Hill Substation in Brookfield and Plumtree Substation in Bethel. In addition, two existing 115-kV line entries to Stony Hill Substation are being reconfigured as part of the Project. These electrical system modifications are located within Eversource's existing right-of-way (ROW) or substation properties in Fairfield County, Connecticut. Pursuant to the CSC's approval of the Project, this report presents the results of the 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:** 05/17/2018

**Inspector:** Paul Cyr

**Rain Event:**

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

- Bethel, Map 08, Str1015 and Str1016
- Bethel Map 07, Str1013 and Str1014
- Bethel, Map 01-03, Str1000 through Str1006
- Bethel, Map 03, Str1007 and Wetland W1
- Bethel, Maps 10-11, Str1019, Str1020, Str1021
- Bethel/Brookfield, Map 12, Str1022-Str1023
- Brookfield, Maps 13-13A, Str1024-Str1027

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

Michels was observed setting up to resume drilling at Str1020. Line equipment is set up to pull cable from Str1004 through to Str1013.

**ROW/SUBSTATIONS**

**Bi-Weekly Week Inspection:**

**Date:** 05/24/2018

**Inspector:** Paul Cyr

**Rain Event:**

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

- Bethel, Map 03, Str1007 and Wetland W1
- Bethel, Map 01-03, Str1000 through Str1006
- Danbury, Maps 04-05, Str1008 through Str1010
- Danbury, Map 06, Str1011 through Str1013
- Bethel, Map 07, Str1014 and Str1015
- Bethel, Map 08, Str1016
- Bethel, Maps 10-11, Str1019, Str1020, Str1021
- Bethel/Brookfield, Map 12, Str1022-Str1023
- Brookfield, Maps 13-13A, Str1024-Str1027

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

Michels was observed setting the structure at Str1009 and Str1015 and equipment was in place to resume pulling line. Most of the timber mat access and work pad were removed from the area of Str1007 (Wetland W1).

<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>	Clean and clear of excess sediments and/or debris. No off ROW tracking of sediments was observed on public access roads.	N/A	
	<b>Bi-Week</b>	Clean and clear of excess sediments and/or debris. No off ROW tracking of sediments was observed on public access roads.	N/A	
<b>Vegetative Clearing Limits (Including trees to save or danger trees noted.</b>	<b>Interim Week</b>	ROW clearing has been completed. Temporary soil stabilization BMPs are implemented. Exposed ground surfaces are stabilized with straw mulch and E&S controls to reduce the potential of soil erosion during site activities.	N/A	
	<b>Bi-Week</b>	N/A	N/A	

<b>Water Crossings</b>	<b>Interim Week</b>	<p>Water crossings are clear of excess sediments. No project-related discharges observed. No impacts to wetlands and/or watercourses were observed at the time of this inspection with the exception of an off ROW parcel's (LL 304) surface water drainage issue which is located between Str1012 and Str1013. Project contractors have installed multiple E&amp;S controls (drainage swale, check dams, stones, sediment basin, etc.) in the area of Old Sherman Turnpike and the ROW access roads, and along the ROW and the abutting parcel to try and minimize impacts and control the off ROW sedimentation to the unnamed stream and to the eastern corner of Wetland W1 (see map page 06, Danbury).</p>	<p>The contractor has implemented the appropriate E&amp;S controls however stormwater runoff will continue to impact the wetland and watercourse during rainfall events due to earth moving operations and the lack of drainage improvements at Parcel LL 304, located south of the ROW. All sediment discharges discussed in this Interim Report to wetland resource areas are unrelated to the Project. These conditions are being monitored closely by the Project Inspectors.</p>	
	<b>Bi-Week</b>	<p>Timber mat crossings are clear of excess sediment and maintained. no visible impacts to wetland/watercourses observed during this inspection.</p> <p>The area discussed above in the Interim Week block was inspected. No water surface flow was observed at this time. Some sediment in the drainage swale and sediment traps was observed (performing as designed). Material stockpiles on the abutting parcel had visible erosion (visible rills and gullies) and sediment flows at the bases of stockpiles flowing in the general direction of the project ROW. As stated before, impacts to area wetlands/watercourses are unrelated to the Project.</p>	SAME AS ABOVE	

<b>Erosion and Sedimentation Controls</b>	<b>Interim Week</b>	E&S controls installed to date are maintained and functioning as designed.	N/A	
	<b>Bi-Week</b>	E&S controls installed to date are maintained and functioning as designed.	N/A	
<b>Inland Wetland &amp; Watercourse encroachment &amp; mitigation</b>	<b>Interim Week</b>	No visible impacts to wetlands or watercourses were observed in any of the work areas inspected today due to project activities.	N/A	



<p><b>Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</b></p>	<p><b>Bi-Week</b></p>	<p>No visible impacts to wetlands or watercourses were observed in any of the work areas inspected today.</p>	<p>N/A</p>	
<p><b>Spills and Material Storage</b></p>	<p><b>Interim-Week</b></p>	<p>None observed, none reported. Spill prevention equipment is utilized and spill response kits are staged at all active work areas.</p>	<p>N/A</p>	
	<p><b>Bi-Week</b></p>	<p>None observed, none reported. Spill prevention equipment is utilized and spill response kits are staged at all active work areas.</p>	<p>N/A</p>	

<b>Rare, Threatened, and Endangered Species</b>	<b>Interim Week</b>	Turtle sweeps are performed daily prior to the start of work in designated areas.	N/A	
	<b>Bi-Week</b>	Turtle sweeps are performed daily prior to the start of work in designated areas.	N/A	

**Additional Documentation Comments:**  
 Structure foundation hole drilling has been completed site wide.

**Notes:**


**Open Items from previous inspections:**

**Closed Items from previous inspections:**

**Next likely scheduled inspection:** 5/31/2018

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

## Southwest Connecticut Reliability Project

### Plumtree To Brookfield Junction



Photo 1: Bethel: Map 03, Str1007 and Wetland W1, Removal of timber mat access and work pad. Photo taken facing west, Structure Str1007 shown central in the photo.



Photo 2: Bethel: Map 03, temporary equipment staging area for Str1007, removal of timber mat access and work pad. Photo taken facing south, town maintenance shed in the distance.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	<b>SWCT RELIABILITY PROJECT</b>
05/24/2018	Paul Cyr	8 of 8	Bethel to Brookfield	Biweekly Report #17	