



124 Grove Street
Suite 215
Franklin, MA 02038

508.298.1500 PHONE
508.298.1501 FAX

www.TRCSolutions.com

January 23, 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 #8, for the **January 11th** and **January 18th, 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 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: 01/11/2018

Inspector: Paul Cyr

Rain Event:

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

- Brookfield, Map 13, ,Str1024, Str1025
- Bethel, Map 02, Str1000 through Str1003
- Bethel, Map 07, Str1014
- Danbury, Map 06, Str1013

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

Pad construction for Str1025 was near completion and appeared to be waiting on top course of material and final compaction (Brookfield, Map 13, see Photo 1). Supreme was actively transporting in and placing timber mats in Wetland W1 to construct one continuous pad for structures Str1000 through Str1003 (Bethel, Map 02, see Photo 2).

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 01/18/2018

Inspector: Paul Cyr

Rain Event:

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

- Bethel & Brookfield, Maps 10-13, Str1020 - Str1025
- Bethel, Maps 07-09, Str1013-Str1017
- Bethel, Map 02, Str1000 through Str1003
- Bethel, Map 03, Str1007 and Wetland W1
- Danbury, Map 06, Str1012-Str1013

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

Supreme continues transporting in and placing timber mats in Wetland W1 to construct pads for structures Str1000 through Str1005 (Bethel, Map 02, see Photos 4 and 5). Snow and ice cover observed site wide.

Areas of Inspection		Observation:	Recommended Action/s:	Corrected Action/s:
Access Roads and Adjacent Roadways	Interim Week	Access roads appear to be in good condition. No tire rutting or rills observed. Snow was covering work areas at the time of this inspection. No off ROW tracking of sediments was observed.	N/A	
	Bi-Week	Access road to Str1003-Str1007 is ice covered (see Photo 6). Overall, roads appear to be in good condition. No tire rutting or rills observed. No off ROW tracking of sediments was observed.	N/A	
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week	The limits of disturbance have been marked out with orange flagging in the areas of active vegetation and tree clearing. No out of bounds clearing was observed.	N/A	
	Bi-Week	The limits of disturbance have been marked out with orange flagging in the areas of active vegetation and tree clearing. No out of bounds clearing was observed.	N/A	

Water Crossings	Interim Week	<p>Supreme placed timber mats along a section of the access road to the Plumtree Substation and the access point to Str1000-Str1003 (Wetland W1). No tracking pad/s were observed at the approaches (from the southeast or the northwest) to the crossing (see Photo 3) and tracking of sediments was observed. Some moderate sediment buildup was observed on the timber mats. The contractor was already notified and aware of the conditions at the time of this inspection and has been cleaning the mats as buildup occurs.</p>	<p>Sediment buildup is being monitored and maintenance is being performed as needed to help prevent sedimentation into the wetland. Crushed aggregate tracking pads at this location would help in controlling sediment tracking issues. At the time of this inspection frost was observed however above freezing temperatures and/or rainfall will likely cause heavy sedimentation in this area. This is the main point of access to the Plumtree Substation and the four structures (Str1000 to Str1003). Heavy equipment and project vehicle tracking through this area may be significant.</p>	
	Bi-Week	<p>Area discussed above was at the time of this inspection snow and ice covered (see photos 4-6). No change in conditions with respect to the timber mat crossing on the access road at the SE corner of Plumtree Substation (sliver of Wetland W1).</p>	N/A	

Erosion and Sedimentation Controls	Interim Week	E&S controls installed to date are according to the D&M plan and per Eversource's BMPs.	N/A	
	Bi-Week	E&S controls installed to date are according to the D&M plan and per Eversource's BMPs. Straw bales and wood chips were placed in the area of an unnamed watercourse down gradient of the pull pad which will be constructed between Str1012 and Str1013 (Danbury, Map 06)	N/A	
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	Wetland and watercourse areas are flagged. No encroachment issues observed.	N/A	

<p>Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</p>	<p>Bi-Week</p>	<p>Wetland and watercourse areas are flagged. No encroachment issues observed.</p>	<p>N/A</p>	
<p>Spills and Material Storage</p>	<p>Interim-Week</p>	<p>No spills observed, no spill reported. No hazardous or petroleum products observed on site.</p>	<p>N/A</p>	
	<p>Bi-Week</p>	<p>No spills observed, no spill reported. No hazardous or petroleum products observed on site. Spill kits and proper secondary containment equipment observed in active work areas.</p>	<p>N/A</p>	

Rare, Threatened, and Endangered Species	Interim Week	N/A	N/A	
	Bi-Week	None observed, none reported.	N/A	

**Additional Documentation
 Comments:**

Notes:


Open Items from previous inspections:

Closed Items from previous inspections:

Next likely scheduled inspection: 1/25/2018

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: 01/11/18, Brookfield: Map 13, Str1025 pad construction in progress, awaiting placement of top course.



Photo 2: 01/11/2018, Bethel: Map 02, timber mat placement for structure pads 1000 through 1003. Working in Wetland W1.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
01/11/2018	Paul Cyr	8 of 11	Bethel to Brookfield	Interim Report #08	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 3: 01/11/2018, Bethel: Map 02, access road and timber mat crossing to Plumtree Substation and structures Str1000 through Str1003 and Wetland W1.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
01/11/2018	Paul Cyr	9 of 11	Bethel to Brookfield	Interim Report #08	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 4: 01/18/2018, Bethel: Map 02, timber mat placement for structure pads 1000 through 1003. Working in Wetland W1.



Photo 5: 01/18/2018, Bethel: Map 02, timber mat placement for structure pads 1004 through 1005. Working in Wetland W1.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
01/18/2018	Paul Cyr	10 of 11	Bethel to Brookfield	Biweekly Report #08	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 6: 01/18/2018, Bethel: Map 02, access road timber mat crossing to Plumtree Substation and structure pads 1000 through 1005 in Wetland W1.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
01/18/2018	Paul Cyr	11 of 11	Bethel to Brookfield	Biweekly Report #08	