



124 Grove Street
Suite 215
Franklin, MA 02038

508.298.1500 PHONE
508.298.1501 FAX

www.TRCSolutions.com

August 8, 2018

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

**Subject: Docket No. 468, Plumtree 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 #22, for the **July 26th** and **August 2nd 2018** inspection events for the construction of the Eversource Plumtree to Brookfield Junction 115-kV Project.

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

Sincerely,

A handwritten signature in black ink that reads "Paul D. Martin".

Paul Martin
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: 07/26/2018

Inspector: Paul Cyr

Rain Event:

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

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

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

- Supreme completed various stages of restoration at several locations over the past week. Timber mat work pads were removed from Str1019, Str1020, and Str1022 (see Photos 1 and 2). Final grading, seeding and straw mulching was observed at Str1019 and Str1021. Grading and placement of ornamental boulders was completed at Str1020. The slopes at Str1023 were seeded and covered with straw mulch. Supreme was observed setting boulders along the edge of the slope and final grading the top of the work pad for final restoration of the work pad.
- Supreme observed performing tasks related to abutter's requests (tree clearing, plantings, restoration) in the areas of Chimney Drive and Hearthstone Drive.
- Completed counterpoise activities were observed at Str1026 and Str1027 (see photos 3 and 4).

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 08/02/2018

Inspector: Paul Cyr

Rain Event: 0.96" (7/31/18 through 8/2/18)

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

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

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

- Supreme was observed grading and restoring the pad area at Str1014 (see Photos 5 and 6).
- Supreme has performed various restoration tasks in areas throughout the ROW since the last inspection performed on 07/27/18 (See Photos). Final grading, seeding and straw mulching was observed at work pads Str1015 and Str1016 (Photos 7 and 8). Hydroseeding was completed at Str1020 and 1022 (see Photos 9 and 10). Grading and hydroseeding at Str1024 was performed by the property owner (see Photos 11 and 12).
- Slope erosion was observed at Str1023 (see Photos 13 through 16). See Additional Comments section on Page 6 for pending corrective actions and further details.
- Counterpoise completed at Str1026 and Str1027, trenches backfilled and graded (see Photos 17 and 18 and Interim Report Photos 3 and 4).

Areas of Inspection		Observation:	Recommended Action/s:	Corrected Action/s:
Access Roads and Adjacent Roadways	Interim Week	Clean and clear of excess sediments and/or debris. No off ROW tracking of sediments was observed. All access roads are in accordance with BMPs.	Continue to follow BMPs	
	Bi-Week	Clean and clear of excess sediments and/or debris. No tracking of sediments was observed. Access roads are in accordance with BMPs. Access roads are in the process of being pulled back to meet the final measured width requirements.	Continue to follow BMPs and D&M Plan for final restoration.	
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week	All clearing is completed.	N/A	
	Bi-Week	All clearing is completed.	N/A	

Water Crossings	Interim Week	<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.</p>	<p>Continue to maintain and follow BMPs.</p>	
	Bi-Week	<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.</p> <p>Timber mats will be removed from wetland areas Str1000 through Str1007 following counterpoise work which is tentatively scheduled to occur over the next couple of weeks.</p>	<p>Continue to maintain and follow BMPs.</p>	

Erosion and Sedimentation Controls	Interim Week	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. E&S is maintained and functioning as designed.	Continue to maintain and follow BMPs. E&S will remain in place until disturbed ground is stabilized.	
	Bi-Week	All E&S controls are in accordance with Project BMPs. Supreme has completed various restoration tasks in areas between Str1014 through Str1027. Final grading and pulling back of pads and access roads, seeding/straw mulch applications or hydroseeding has been completed (See Photo logs).	Continue to maintain and follow BMPs. E&S will remain in place until disturbed ground is stabilized.	
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	No impacts as a result of project related work to wetlands or watercourses were observed in any of the work areas inspected today.	N/A	

<p>Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</p>	<p>Bi-Week</p>	<p>No impacts as a result of project related work to wetlands or watercourses were observed in any of the work areas inspected today.</p> <p>Timber mat work pads and access roads are still in place between the Plumtree Substation and Str1007 work pad (Wetland W1), the access road and work pad at Str1008 (Wetland W1), access road and work pad at Str1010 through Str1012(Wetland W1), and the few pads in the south & east sides of Str1013(Wetland W2).</p>	<p>Continue to monitor wetland conditions and follow Project BMPs.</p>	
<p>Spills and Material Storage</p>	<p>Interim-Week</p>	<p>None observed, none reported.</p>	<p>N/A</p>	
	<p>Bi-Week</p>	<p>None observed, none reported.</p>	<p>N/A</p>	

Rare, Threatened, and Endangered Species	Interim Week	None observed, no reports of sightings.	N/A	
	Bi-Week	None observed, no reports of sightings.	N/A	

Additional Documentation

Comments:

Eversource and Supreme are aware of the slope erosion at Str1023 and are correcting it by regrading the slopes to remove erosion (rills) as well as reseeding and mulching the area that was previously completed prior to the rain event. No wetlands, watercourses, or sensitive areas were impacted or in danger of impacts due to the erosion event.

Notes:

A three day period with intermittent short duration heavy rainfall events impacted the area between 7/31 and 8/2. According to Wunderground.com, the Danbury Municipal Station received 0.96" of precipitation during that period of time.

Open Items from previous inspections:

Closed Items from previous inspections:

Next likely scheduled inspection: 08/09/2018 _____

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: _____ *Tam R. Gye*

Reviewer: _____ *Paul D. Walters*

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 1: 07/26/2018, Bethel: Map 12, Str1021, work pad restoration performed. Photo taken facing east.



Photo 2: 07/26/2018, Bethel: Map 12, Str1022, access road to the structure area as well as the work pad constructed of wood mats has been removed. Wetland W5 is abutting to the north. Photo taken facing east. All appears to be in accordance with Eversources's BMP Manual. Area will be restored with loam and hydroseeding within the next week.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
07/27/2018	Paul Cyr	8 of 16	Bethel to Brookfield	Interim Report #22	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 3: 07/26/2018, Bethel: Map 13, Str1026, trenching and installation of grounding cables for Counterpoise system. Photo taken facing east.



Photo 4: 07/26/2018, Bethel: Map 13, Str1027, trenching and installation of grounding cables for Counterpoise system. Photo taken facing west.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
07/27/2018	Paul Cyr	9 of 16	Bethel to Brookfield	Interim Report #22	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 5: 08/02/2018, Danbury: Map 07, Str1014, work pad and access road restoration being performed by Supreme. Photo taken facing west.



Photo 6: 08/02/2018, Danbury: Map 07, Str1014, work pad restoration being performed by Supreme. Photo taken facing west.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
08/02/2018	Paul Cyr	10 of 16	Bethel to Brookfield	Biweekly Report #22	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 7: 08/02/2018, Bethel: Maps 07-08, Str1015, work pad restoration. Photo taken facing south.



Photo 8: 08/02/2018, Bethel: Map 08, Str1016, work pad restoration. Photo taken facing north.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
08/02/2018	Paul Cyr	11 of 16	Bethel to Brookfield	Biweekly Report #22	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 9: 08/02/2018, Bethel: Map 10, Str1020, work pad restoration, hydroseeded. Photo taken facing north.



Photo 10: 08/02/2018, Bethel: Map 12, Str1022, work pad restoration, hydroseeded. Photo taken facing east.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
08/02/2018	Paul Cyr	12 of 16	Bethel to Brookfield	Biweekly Report #22	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 11: 08/02/2018, Brookfield: Map 13, Str1024, property owner performed work pad restoration (grading and hydroseeding). Photo taken facing north.



Photo 12: 08/02/2018, Brookfield: Map 13, Str1024, property owner performed work pad restoration (grading and hydroseeding). Photo taken facing north.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
08/02/2018	Paul Cyr	13 of 16	Bethel to Brookfield	Biweekly Report #22	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 13: 08/02/2018, Bethel/Brookfield: Map 12, Str1023, work pad restoration (grading and boulder placements). Photo taken facing south.



Photo 14: 08/02/2018, Bethel/Brookfield: Map 12, Str1023, slope erosion, west slope. Reference Additional Comments section Page 6 for additional details. Photo taken facing south.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
08/02/2018	Paul Cyr	14 of 16	Bethel to Brookfield	Biweekly Report #22	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 15: 08/02/2018, Bethel/Brookfield: Map 12, Str1023, slope erosion, south and west slopes. Reference Additional Comments section Page 6 for additional details. Photo taken facing northeast.



Photo 16: 08/02/2018, Bethel/Brookfield: Map 12, Str1023, slope erosion, southwest corner of slope. Reference Additional Comments section Page 6 for additional details. Photo taken facing northeast.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
08/02/2018	Paul Cyr	15 of 16	Bethel to Brookfield	Biweekly Report #22	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree To Brookfield Junction



Photo 17: 08/02/2018, Bethel: Map 13, Str1026, Counterpoise system, trench backfilled and graded (see previous photo, Photo 3). Photo taken facing east.



Photo 18: 08/02/2018, Bethel: Map 13, Str1027, Counterpoise system, trench backfilled and graded (see previous photo, Photo 4). Photo taken facing west.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
08/02/2018	Paul Cyr	16 of 16	Bethel to Brookfield	Biweekly Report #22	