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November 2, 2017

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 #2, for the **October 19th** and **October 26th 2017** 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 'K. 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: 10/19/2017

Inspector: Paul Cyr

Rain Event:

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

-Brookfield, Exhibit 2B Vol 2 D&M Plan, Stony Hill Substation Expansion, Str4647A, and Wetland W7.

ROW/SUBSTATIONS

Bi-Weekly Week Inspection:

Date: 10/26/2017

Inspector: Paul Cyr

Rain Event:

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

-Brookfield, Exhibit 2B Vol 2 D&M Plan, Stony Hill Substation Expansion, Str4647A, and Wetland W7.

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

Structure 4647A erected and lines pulled (see Photos 1 and 2) as part of the 1485 line modification. No active work observed today on structure 4647A or the immediate surrounding area.

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

Structure 4647A erected and lines pulled. No active work observed today on structure 4647A or the immediate surrounding area. Work area E&S controls and access road conditions following rainfall events (intermittent rainfall between 10/24 - 10/26) were inspected today. Perimeter E&S controls (silt fencing) commences approximately 100-feet west of structure 4648 and runs parallel with the road to the east and then turns south following the approved limits of disturbance. The silt fence appears to be installed according to the approved limits of disturbance and no excess clearing or out of bounds activities were observed. No E&S deficiencies were observed (see Photos 3-6) and the single road drainage swale was functioning properly (see Photos 7 & 8).

Areas of Inspection		Observation:	Recommended Action/s:	Corrected Action/s:
Access Roads and Adjacent Roadways	Interim Week	Project vehicles are utilizing the existing Stony Hill Substation access road for the new 4647 structure. The access road is in good condition.	N/A	
	Bi-Week	In good condition, no ponding, or rutting (rills) observed. Based on local topography and access road grading, surface water appears to flow to the northeast toward perimeter E&S controls, no sedimentation or movement observed.	N/A	
Vegetative Clearing Limits (Including trees to save or danger trees noted.	Interim Week	Clearing was performed prior to the Structure 4647A task. The limit of disturbance has been marked out with orange flagging and silt fencing installed.	N/A	
	Bi-Week	Vegetative clearing was performed prior to the start of the Structure 4647A inspections. No clearing occurring at this time.	N/A	

Water Crossings	Interim Week	N/A	N/A	
	Bi-Week	N/A	N/A	

Erosion and Sedimentation Controls	Interim Week	Silt fencing installed along the limits of disturbance installed according to BMP's and maintained.	N/A	
	Bi-Week	Silt fencing installed along the limits of disturbance installed according to BMP's and maintained (see Photos 3-6). A stone filled swale running perpendicular off the access road was clear of excess sediments and no uncontrolled flow observed (see Photo 7 & 8).	N/A	
Inland Wetland & Watercourse encroachment & mitigation	Interim Week	N/A	N/A	

<p style="text-align: center;">Inland Wetland and Watercourse encroachment and mitigation (Continued from previous page)</p>	<p style="text-align: center;">Bi-Week</p>	<p>N/A</p>	<p>N/A</p>	
<p style="text-align: center;">Spills and Material Storage</p>	<p style="text-align: center;">Interim-Week</p>	<p>No spills observed, no spill reported. No hazardous or petroleum products observed on site.</p>	<p>N/A</p>	
	<p style="text-align: center;">Bi-Week</p>	<p>No spills observed, no spill reported. No hazardous or petroleum products observed on site.</p>	<p>N/A</p>	

Rare, Threatened, and Endangered Species	Interim Week	N/A	N/A	
	Bi-Week	N/A	N/A	

Additional Documentation

Comments:

A concrete washout area was observed. The location of the washout area was recently moved to a more suitable location upland of the previous location. Based on local topography, site grading, proximity to wetland W-7, and installed perimeter E&S controls, any direct impacts to W-7 and/or breaches out of the approved limits of disturbance seem unlikely at its present location.

Notes:

At this time, inspections only occurring at Stony Hill Substation for the Structure 4647A task. The Plumtree Substation to Brookfield Junction work is tentatively scheduled to start November 20th.


Open Items from previous inspections:

Closed Items from previous inspections:

Next likely scheduled inspection: 11/03/2017

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

Southwest Connecticut Reliability Project

Plumtree Substation to Stony Hill Substation



Photo 1: 10/19/17, Stony Hill Substation, Str4647A structures and lines, photo taken facing east.



Photo 2: 10/19/17, Stony Hill Substation, Str4647A structures and lines, photo taken facing east.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
10/19/2017	Paul Cyr	8 of 11	Bethel to Brookfield	Interim Report #02	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree Substation to Stony Hill Substation



Photo 3: 10/26/17: Stony Hill Substation, Str4647A and substation work area perimeter silt fencing, photo taken facing east.



Photo 4: 10/26/17: Stony Hill Substation, Str4647A and substation work area perimeter silt fencing, photo taken facing south.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
10/26/2017	Paul Cyr	9 of 11	Bethel to Brookfield	Biweekly Report #02	

Photograph Log

Southwest Connecticut Reliability Project

Plumtree Substation to Stony Hill Substation



Photo 5:10/26/17: Stony Hill Substation, Str4647A and substation work area perimeter silt fencing, photo taken facing south.



Photo 6:10/26/17: Stony Hill Substation, Str4647A and substation work area perimeter silt fencing, photo taken facing south.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
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Photograph Log

Southwest Connecticut Reliability Project

Plumtree Substation to Stony Hill Substation



Photo 7:10/26/17: Stony Hill Substation, Str4647A and substation access road drainage, photo taken facing north.



Photo 8:10/26/17: Stony Hill Substation, Str4647A and substation access road drainage, photo taken facing north.

Date:	Photographs Taken By:	Page No.	Town/s	Report/No.	SWCT RELIABILITY PROJECT
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