

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Norwalk Substation**

**Date:** July 12, 2006

**Inspector:** Don Ukers

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** Between 0.27-0.48" of rain was recorded on 7/6 with an additional 0.58"-0.71" on 7/12 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	- The catch basin near the Route 7 ramp receives a lot of off-site stormwater-sedimentation of roadway sand is occurring here. 12/22-7/12/06.	-The area should no longer be affected by any onsite sediment. The silt fence could be removed. 12/1-7/12/06.	-N/A.
Foundation construction	-The only remaining work involves electrical testing. 7/12/06.  -The 345kV turning structure showed signs of worsening erosion at its base due to the recent storms and river flow. 6/14-7/12/06	- None at this time. Little to no soil disturbing work is occurring. 5/17-7/12/06.  -Although this foundation continues far below ground, the erosion should be evaluated to prevent future problems. 6/14-7/12/06	-N/A  - Needs evaluation
Erosion and Sediment Controls	- Erosion on the slope of the river appears to be forming again. 6/28-7/12/06 Evaluate erosion at the 345kV turning structure.  - Stone was placed around the inlet on site in an effort to filter run-off. 6/20-7/12/05	- Continue to monitor and attempt to make the area more natural/ vegetated if feasible. 5/25-7/12/06.  - Continue to monitor to determine if this control works to reduce turbidity to the river. 7/12/06	-N/A  -N/A
Inland Wetland and Watercourse	- Vegetation continues to grow well along the	- None at this time. 7/12/06.	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
encroachment and mitigation	original overflow channel. 7/12/06.		
Vegetative clearing limits (including trees to save or danger trees noted)	-Due to necessary clearing for overhead lines and the natural damage of the flood, the riverbanks to the north of site could use some vegetative growth. 5/17-7/12/06	- None at this time. Continue to monitor and consider adding seed if feasible. This is likely overhead jurisdiction. 5/17-7/12/06	-N/A
Dewatering	-Dewatering was not observed during this inspection. 7/12/06.	-None at this time. 7/12/06.	-N/A.
Blasting	- Not applicable	- None at this time.	-N/A
Spills and Material Storage	- Most heavy equipment is removed from the site. 7/12/06.	In general: - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations	-This site may be able to be removed from the inspection route in the near future. 7/12/06		

**Plumtree Substation**

**Date:** July 12, 2006

**Inspector:** Don Ukers

**Location:** Plumtree Substation Expansion, Bethel

**Storm/**

**Rain Event:** Between 0.27-0.48" of rain was recorded on 7/6 with an additional 0.58"-0.71" on 7/12 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
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Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads	<ul style="list-style-type: none"> <li>- Work has returned to the substation so the drive is again in use for this equipment. 7/12/06.</li> <li>-Turbid water was noted pooling in the wetland swales adjacent to the access road. Some sediment was noted as well. 7/5-7/12/06</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. 7/12/06.</li> <li>- This is likely a pre-existing condition and not directly related to the expansion work. However if the road can be further stabilized, this may help the situation. 7/12/06</li> </ul>	<ul style="list-style-type: none"> <li>-N/A.</li> <li>- Needs evaluation</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>- Some site work was ongoing at the time of inspection. 7/12/06.</li> </ul>	<ul style="list-style-type: none"> <li>- Remain aware the perimeter of the yard is surrounded by wetlands. See erosion control section. 3/15-7/12/06.</li> </ul>	<ul style="list-style-type: none"> <li>-N/A at this time.</li> </ul>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> <li>- The site is muddy and some sediment has been pushed up on the perimeter stone berm in some locations. 7/12/06</li> <li>-A few stockpiles remain but are contained internal to the site. 7/12/06.</li> </ul>	<ul style="list-style-type: none"> <li>- The berm must remain maintained as sediment control or be replaced with haybales and silt fence. Pull back sediment and place with clean stone if needed. 7/12/06</li> <li>-Continue to monitor. 7/12/06.</li> </ul>	<ul style="list-style-type: none"> <li>- Needs attention</li> <li>-N/A</li> </ul>
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> <li>- Wetlands are located around the outskirts of the substation yard. 7/12/06</li> </ul>	<ul style="list-style-type: none"> <li>- Maintain perimeter berm. Vegetation adjacent to the yard is thick and helps filter run-off. 7/12/06.</li> </ul>	<ul style="list-style-type: none"> <li>N/A.</li> </ul>
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> <li>- The wood turtle was seen along the outside perimeter of the station the week of 5/25/06.</li> </ul>	<ul style="list-style-type: none"> <li>- Move machinery carefully and perform daily walkdowns of the site. Watch carefully for the turtle as this is the most active time of year. 5/25-7/12/06.</li> </ul>	<ul style="list-style-type: none"> <li>-Daily walkdowns should be occurring at this point with crews remaining aware of machinery and open trenches throughout the day.</li> </ul>
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>- No vegetation outside of the substation yard will need to be cleared during the expansion work.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>	<ul style="list-style-type: none"> <li>-N/A</li> </ul>
	<ul style="list-style-type: none"> <li>- Active dewatering was</li> </ul>	<ul style="list-style-type: none"> <li>- When necessary, utilize</li> </ul>	<ul style="list-style-type: none"> <li>-N/A</li> </ul>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	not observed at the inspection but the site is still muddy following the rains. 7/12/06.	other methods of controlling dewatering without letting unfiltered water off-site. 7/12/06	
Blasting	- No blasting is occurring on site at this time.	- None at this time.	-N/A
Spills and Material Storage	- No spills or leaks were noted. Now that machinery has returned, continue to monitor. 7/12/06  - Some site clean-up was noted. 6/20-7/12/06	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations			

**Next likely scheduled inspection:**

Wednesday, July 19, 2006

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.

**Inspector's Signature:**

*Diana Walden for Don Ukers*



Norwalk Substation: Photo on the left shows the recently hydroseeded and landscaped area near the GIS building. Plumtree Substation: Photo on the right shows turbid water pooled in the wetland adjacent to the access drive. This was likely not directly resulting from the project but due to the dirt road. 7/12/06



:Photo on the left shows an overview of the yard with some of the new structures off the slab. Photo on the right shows the new slab in place at the rear of the site. 7/12/06