

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: June 14, 2006

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event: Between 0.47-0.69" of rain was recorded over 6/9-6/10 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. 12/22-6/14/06.	-The area should no longer be affected by any onsite sediment. The silt fence could be removed. 12/1-6/14/06.	-N/A.
Foundation construction	-The only remaining work involves electrical testing. 6/14/06. -The 345kV turning structure showed signs of worsening erosion at its base due to the recent storms and river flow. 6/14/06	- None at this time. Little to no soil disturbing work is occurring. 5/17-6/14/06. -Although this foundation continues far below ground, the erosion should be evaluated to prevent future problems. 6/14/06	-N/A. - Needs evaluation
Erosion and Sediment Controls	- Erosion on the slope of the river appeared to have been repaired with stone. 5/25-6/14/06 Evaluate erosion at the 345kV turning structure. -Turbid water was no longer noted from the outlet into the Norwalk River, but the catch basin on site needs controls for future rain events.	- Continue to monitor and attempt to make the area more natural/ vegetated if feasible. 5/25-6/14/06. - Build up a berm of stone/gravel around the inlet or place more filter fabric in the grate to prevent turbidity at the next rain event. 6/7-6/14/06	-N/A - Needs attention before the next rain

Areas of Inspection	Observation	Recommended Action	Corrected Action
	6/14/05		
Inland Wetland and Watercourse encroachment and mitigation	- Vegetation continues to grow well along the original overflow channel. 6/14/06.	- None at this time. 6/14/06.	-N/A
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A.
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. 5/17-6/14/06 - Landscaping efforts appear successful as grass growth was noted. 6/14/06	- None at this time. Continue to monitor and consider adding seed if feasible. 5/17-6/14/06 - None at this time 6/14/06	-N/A N/A
Dewatering	-Dewatering was not observed during this inspection. 6/14/06.	-None at this time. 6/14/06.	-N/A.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.	-N/A
Spills and Material Storage	- Most heavy equipment is removed from the site. 6/14/06.	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 -N/A
Additional Observations			

Plumtree Substation

Date: June 14, 2006

Inspector: Don Ukers

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Between 0.47-0.69” of rain was recorded over 6/9-6/10 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads	- Work has returned to the substation so the drive is again in use for this equipment. 3/15-6/14/06.	- None at this time. 6/14/06.	-N/A.
Foundation construction	- Work on a steel structure was noted at the time of inspection. The rebar and forms remained in place on the concrete slab. 6/14/06.	- Remain aware of the perimeter of the yard and the workspace and the fact the area is surrounded by wetlands. See erosion control section. 3/15-6/14/06.	-N/A at this time.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site remains muddy but the perimeter stone berm had been repaired. A small amount of sediment was noted in the adjacent wetland from the previous week’s breach. 6/14/06 -A few stockpiles remain on site but are mostly contained. 6/14/06. -Active dewatering was not noted at the time but the site remains muddy. Dewatering had been necessary for 345kV XLPE work. 6/14/06.	- The berm must remain maintained as sediment control or be replaced with haybales and silt fence. Remove sediment by hand if significant and feasible. 6/14/06 -Continue to monitor. 6/14/06. - The berm was repaired. Utilize other methods of controlling future dewatering without letting unfiltered water off-site. XLPE crews were using filter bags. 6/14/06	- The berm was repaired -N/A -The berm was repaired
Inland Wetland and Watercourse encroachment and	- Wetlands are located around the outskirts of the substation yard. A small amount of	- If feasible or significant, sediment deposits should be removed carefully by hand. 6/14/06.	N/A.

Areas of Inspection	Observation	Recommended Action	Corrected Action
mitigation	sedimentation was noted. 6/14/06		
State species of concern, threatened and endangered species	- The wood turtle was seen along the outside perimeter of the station the week of 5/25/06.	- Move machinery carefully and perform daily walkdowns of the site. Watch carefully for the turtle as this is the most active time of year. 5/25-6/14/06.	-Daily walkdowns should be occurring at this point with crews remaining aware of machinery and open trenches throughout the day.
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A	-N/A
Dewatering	- Active dewatering was not observed at the inspection but the site is still muddy. 6/14/06.	-See erosion control section 6/14/06.	-The berm was restored
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. 6/14/06	- 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:

Tuesday, June 20, 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, Don Ukers



Norwalk Substation: Photo on the left shows a view of the yard and the grass growth occurring in the hydroseeded area. Photo on the right shows a view of the Norwalk River. Turbid water was not coming from the outlet at this time but the grate on site still needs controls in place for the next rain event. 6/14/06.



Photo on the left shows further erosion around the base of the 345kV turning structure in the river. This should be evaluated. (Plumtree Substation): Photo on the right shows an overview of the yard and work at Plumtree. 6/14/06.