

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 7, 2006

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event: Between 1.52-2.23" of rain was recorded over 6/1-6/3 and 1.5" of rain was recorded on 6/7 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. 12/22-6/7/06.	-The area should no longer be affected by any onsite sediment. The silt fence could be removed. 12/1-6/7/06.	-N/A.
Foundation construction	-The only remaining work involves electrical testing. 6/7/06. - Landscaping crews had hydroseeded the topsoil and planted evergreens adjacent to the GIS building. 6/7/06	- None at this time. Little to no soil disturbing work is occurring. 5/17-6/7/06. - Landscaped efforts appear complete. 6/7/06	-N/A. - N/A
Erosion and Sediment Controls	- Erosion on the slope near the 345kV turning structure appeared to have been repaired with stone. 5/25-6/7/06 -A plume of turbid water was noted directly from the outlet into the Norwalk River. This outlet drains a catch basin on site. 6/7/05	- Continue to monitor and attempt to make the area more natural/ vegetated if feasible. 5/25-6/7/06. -Turbid water was ponding around an inlet on site. Build up a berm of stone/gravel around the inlet or place more filter fabric in the grate. 6/7/06	-N/A - Needs attention before the next rain
Inland Wetland and Watercourse encroachment and	- The overflow channel had high flow conditions due to the heavy rains.	-None at this time. 6/7/06	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
mitigation	6/7/06. - Vegetation continues to grow well along the original overflow channel. A few bare spots remain 6/7/06.	- None at this time. 6/7/06.	-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. 5/17-6/7/06 - Landscaping efforts appear complete. 6/7/06	- None at this time. Continue to monitor and consider adding seed if feasible. 5/17-6/7/06 - None at this time 6/7/06	-N/A N/A
Dewatering	-Dewatering was not observed during this inspection. 6/7/06.	-None at this time. 6/7/06.	-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. 6/7/06.	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 7, 2006 _____

Inspector: Don Ukers

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Between 1.52-2.23” of rain was recorded over 6/1-6/3 and 1.5” of rain was recorded on 6/7 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. 3/15-6/7/06.	- None at this time. 6/7/06.	-N/A.
Foundation construction	-No active work was noted within the substation yard at the time of inspection. The rebar and forms remained in place on the concrete slab. 6/7/06.	- Remain aware of the perimeter of the yard and the workspace and the fact the area is surrounded by wetlands. See erosion control section. 3/15-6/7/06.	-N/A at this time.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Contractors punched through the perimeter stone berm to allow ponded water on site to drain. This effectively removed the sediment control the berm provided. 6/7/06 -A few stockpiles remain on site. Without a complete perimeter stone berm, run-off has the potential to get off-site 6/7/06. -Active dewatering was not noted at the time. Water ponding on site was a result of the heavy rains and possibly from pervious dewatering 6/7/06.	- Restore the berm immediately and deal with any water issues on site in another manner. The berm must remain as sediment control or be replaced with haybales and silt fence. 6/7/06 -Restore the berm and/or install adequate controls. 6/7/06. -The berm was breached on purpose to allow ponded water out. Repair immediately. 6/7/06	- Need attention ASAP -Berm needs attention -Berm needs attention
Inland Wetland and Watercourse encroachment and	- Wetlands are located around the outskirts of the substation yard. Breaching the berm	-Continue to monitor them. If sediment deposits are noted, they will need to be removed carefully	N/A.

Areas of Inspection	Observation	Recommended Action	Corrected Action
mitigation	allowed turbid water to reach the wetlands. 6/7/06	by hand. 6/7/06.	
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. 5/25-6/7/06.	-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 berm is not in place. 6/7/06.	- Restore the berm ASAP. See erosion control section 6/7/06.	-Needs attention
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. 6/7/06	- 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, June 14, 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 where turbid run-off water is ponding around an inlet on site. This is leading to turbid water reaching the Norwalk River from the outlet shown in the photo on the right. 6/7/06.



Photo on the left shows the plume of turbid water within the backwater of the Norwalk River. Photo on the right shows where the area adjacent to the GIS building was recently landscaped with evergreen plantings. 6/7/06. (Note: there are no photos of Plumtree due to the heavy rain)