

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: April 27, 2006

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event: Approximately 3.6" of rain was recorded over 4/22-4/23 as reported by NOAA. However, there were local, unconfirmed reports of over 5".

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. 12/22-4/26/06.	-The area should no longer be affected by any onsite sediment. The silt fence could be removed. 12/1-4/26/06.	-N/A.
Foundation construction	- All current work is either testing or within existing structures/ trenches . 4/26/06.	- None at this time. Work does not involve soil movement. 4/26/06.	-N/A.
Erosion and Sediment Controls	- The recent heavy rains caused flooding that created washouts and erosion along the slope near the 345kV turning structure. 4/26/06.	- The issue was already observed prior to the inspection and the area will be restored with stone and restabilized. 4/26/06.	-The area will be restored
Inland Wetland and Watercourse encroachment and mitigation	- The overflow channel and natural overflow area were flowing high and Norwalk River floodwater had come over the bike path to the perimeter fence. 4/26/06. - The minor erosion noted along the top of slope at the overflow channels does not appear to be	-Water was higher than any previous storm during the construction. Repairs will be made to the slope. 4/26/06 - None at this time. 4/26/06.	-N/A -N/A.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	worsening, even with the flood. 4/26/06.		
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)	-Clearing was noted between the substation, ROW and river as a result of the overhead work. 4/19-4/26/06. - Some of the previously preserved trees near the channel were washed out by the flood. 4/26/06	- Not jurisdictional to the substation work. 4/26/06. - None at this time. 4/26/06	-N/A -N/A
Dewatering	-Dewatering was not observed during this inspection. 4/26/06.	-None at this time. 4/26/06.	-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 as well as most materials. 4/26/06.	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	- The topsoil stockpile is scheduled to be spread out within the yard near the GIS building. 4/26/06		

Plumtree Substation

Date: April 26, 2006 _____

Inspector: Diana Walden _____

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Approximately 3.6” of rain was recorded over 4/22-4/23 as reported by NOAA. However, there were local, unconfirmed reports of over 5”.

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. 3/15-4/26/06.	- None at this time. 4/26/06.	-N/A.
Foundation construction	-Work continues within the substation yard with some foundation work within an excavation. 4/19/06. -Active XLPE trenchwork continues in the yard. 4/19-4/26/06	- Remain aware of the perimeter of the yard and the workspace and the fact the area is surrounded by wetlands. See erosion control section. 3/15-4/26/06. -See XLPE report.	-N/A at this time. -N/A
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-Stockpiles remain on site, contained by the perimeter berm. 4/26/06. -A filter bag was in place for dewatering and the area adjacent to the berm contained pooled water. 4/26/06. -Some slightly turbid water was noted moving through the berm but was not impacting the wetlands. 4/26/06	-Continue to monitor that the controls are effective. Extend haybales if necessary. 3/31/06-4/26/06. -Continue to monitor the area. 4/26/06. -Continue to watch the perimeter when dewatering and improve the berm if necessary. Water was filtered fairly well. 4/26/06	- N/A at this time. -N/A at this time -N/A at this time
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. -Shovels and pails from the wetland cleanup remained in the wetland. 4/26/06	-Continue to monitor them. Ensure that sediment does not leave the yard. 4/26/06. - The materials should be returned to the station yard. 4/26/06	N/A. - N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
State species of concern, threatened and endangered species	- Crews on site at this time will have to remain aware of the fact the weather is warming and the wood turtle could return to the site in the spring. 3/15-4/26/06	- Move machinery carefully and perform daily walkdowns of the site each morning now that the weather is warmer. 4/6-4/26/06.	-Daily walkdowns should be occurring at this point.
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	- Dewatering was being sent to a filter bag and then pooling within the yard by the berm. 4/26/06.	-Water was filtered fairly well by the time it left the yard. Continue to monitor and contain when feasible. 4/26/06.	-Filter bags were being used as a control
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. 4/26/06	- 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: Thursday, May 4, 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



Norwalk Substation: Photo on the left shows an overall view of the yard. Topsoil will be spread adjacent to the building soon. Photo on the right shows a view along the bike path where the flooded river had left leaves along the perimeter fence. 4/26/06.



Photo on the left shows the view towards the substation where some clearing had occurred. The flooded river levels created some disturbance here. Photo on the right shows where the flooding caused some erosion along the retaining wall. It will be repaired. 4/26/06.



Plumtree Substation: Photo on the left shows dewatering occurring to a filter bag within the yard. Photo on the right shows the ongoing excavation and foundation work on site. 4/26/06.



Photo on the left shows some water escaping through the stone perimeter berm from the yard. The water was filtered fairly well but continue to monitor whether additional controls are needed. Photo on the right shows the adjacent wetland where shovels and pails were left behind from the efforts to remove sediment. 4/26/06