

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: February 16, 2006

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event: Approximately 0.13” of precipitation fell, mostly in the form of snow between 2/11-2/12 as reported by NOAA. Totals may actually be higher than reported.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	- The catch basin near the Route 7 ramp receives a lot of off-site stormwater, and erosion and sedimentation are occurring here. 12/22-2/16/06.	-The area should no longer be affected by any onsite sediment. The access road is paved and the swale is vegetated. The silt fence could be removed. 12/1-2/16/06.
Foundation construction	- Little “soil-disturbing” work was occurring on site. Some structural and electrical work was ongoing in and near the GIS building. Some work continues on adjacent structures. 2/9-2/16/06. - Soil testing had been completed across the Norwalk River but was not immediately part of the substation work. 2/2-2/16/06	-None at this time. The site remains largely contained. 2/16/06. - See erosion control section for more details.
Erosion and Sediment Controls	- The catch basin south of the GIS building is regulated by a sand/oil collector so filter fabric is not necessary. 2/16/06 - The overflow channel and natural overflow area had low flow of water at the time of inspection. 2/16/06. - Sediment accumulation continues in the stone onsite at	-None at this time. 2/16/06. - Monitor stormwater flow and drainage patterns when possible. Watch for any erosive flows off site. 1/4-2/16/06. - This is not a result of any

Areas of Inspection	Observation	Recommended Action
	one of the access gates. This is a result of offsite stormwater and roadway sand 1/4-2/16/06.	work related issues. 2/16/06
	<ul style="list-style-type: none"> - Some sedimentation was noted at the top of the perimeter swale near the Rt. 7 ramp. 2/16/06 -Silt fence remains in place across the Norwalk River as a result of soil testing. This was not immediately part of the substation work. 2/16/06. 	<ul style="list-style-type: none"> - This remains contained to the site and is related to road sanding. 2/16/06 -This is not under the jurisdiction of the current substation work. 2/2-2/16/06.
Inland Wetland and Watercourse encroachment and mitigation	- Some minor erosion was noted along the top of slope along the overflow channels 1/19-2/16/06.	- None at this time but consider re-vegetating during the growing season. 2/16/06
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-No additional clearing is needed at this time. 2/16/06.	- Clearing was limited to what is necessary and it will continue to be monitored. 2/16/06.
Dewatering	-Dewatering was not observed during this inspection. 2/16/06.	-None at this time. 2/16/06.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage	- The inspection was brief and was performed from the perimeter late in the day. 2/16/06.	In general: - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - The contractors should remain vigilant about securing and handling fuel and all other material containers due to the sensitivity of the area. - Report spills to the office immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. - All fuels and agents not in use should be covered and stored in the sheds and trailers before leaving for the day.
Additional Observations		

Plumtree Substation

Date: February 16, 2006

Inspector: Diana Walden

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Approximately 1.37" of precipitation fell, mostly in the form of rain between 2/3-2/5 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- Some work was occurring on CL&P poles at the intersection of the driveway and Walnut Hill Rd. 2/16/06.	- If the driveway needs to be plowed, keep snow/sediment piles away from the wetland swales adjacent to the driveway. 1/4-2/16/06.
Foundation construction	-Any remaining work is mostly electrical and within the control house.2/16/06 -No further civil or earth	- The areas are all contained at this time.2/16/06. - Open excavations were not

Areas of Inspection	Observation	Recommended Action
	disturbing work was noted on site at this time. 2/16/06.	observed at this time. 2/16/06.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - Although no silt fence is in place, the perimeter stone berm continues to work well to control the yard. 2/16/06. - The small remaining piles of sand/soil are not covered in plastic but are well within the site. 3/2-2/16/06. - A small stockpile remains adjacent to the slab but was well within the site. 2/16/06. 	<ul style="list-style-type: none"> -All stockpiles are well-contained and the berm is working effectively at this time. 2/16/06. -Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-2/16/06.
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 2/16/06.	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 2/16/06.
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> -The sand pile has been surrounded with safety fence but there seems to be little evidence of a valid nest at this point. 8/19-2/16/06 - The pile may be removed when necessary. 9/15-2/16/06. 	- Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns in the spring. The nest does not appear to be valid at this time. 2/16/06.
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
Dewatering	- Dewatering was not observed during the inspection. 2/16/06.	- None at this time. 2/16/06.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No leaks or drips had been noted at the site at the time of inspection. 2/16/06	<ul style="list-style-type: none"> - 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.

Areas of Inspection	Observation	Recommended Action
Additional Observations	- Following completion of a few future scheduled activities, this substation can be removed from the inspection route. 2/16/06	

Next likely scheduled inspection:

Wednesday-Thursday, February 22-23, 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: Work continues on structures and within the GIS building. A quick inspection was made late in the day from the perimeter. 2/16/06.

Photo on the left shows some sedimentation to the perimeter swale near the Rt. 7 ramp. Photo on the right shows where road sand



from the ramp has washed on site and accumulated in the stone. It all remains contained and these are mostly a result of off-site issues.
2/16/06