

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.

Date: October 19, 2005

Inspector: Lee Curtis

Location: Norwalk Substation Expansion

Storm/

Rain Event: Significant amounts of rain continued to accumulate from the storm event over the last inspection. An additional 4" fell over 10/13-10/14.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<p>- Vegetation is growing within the inlet near the Route 7 ramp which helps filter sediment. Silt fence is still partially collapsed and the surrounding stone also helps to filter. The area seems fairly stable. 8/19-10/19/05</p> <p>- Utility work was complete along the New Canaan Ave sidewalk but it is awaiting final concrete placement. 9/29/05-10/19/05</p>	<p>-The area should continue to be monitored to some degree but sediment is being filtered well by the stone and new growth. The silt fence could even be removed with the stone in place. 10/19/05</p> <p>- None at this time. 10/19/05</p>
Foundation construction	<p>-Trenching for the Gas Insulated Transmission Line (GITL) continued on the western side of the GIS building. Small stockpiles associated with this excavation remain within the yard. 10/5/05-10/19/05</p> <p>-The installation of the 345 kV Turning Structure was complete and the work area was no longer flooded. It appears that the majority of the temporary fill was washed out when the work area flooded. The slurry pit was not affected by last week's</p>	<p>- This excavation and backfill work is well within the yard and areas are contained. 10/5/05-10/19/05.</p> <p>-Erosion controls in the ROW should be maintained until the foundation/excavation area is stabilized 9/29/05-10/19/05</p> <p>-Before restoration activities begin within the work area, erosion controls should be repaired as necessary. When work is complete, any remaining fill will be removed and the area restored to original conditions. 10/19/05</p>

Areas of Inspection	Observation	Recommended Action
	rain events. Restoration activities were estimated to begin the following day within the work area. 10/19/05.	
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - Sedimentation from the access road off the Rt. 7 ramp was noted in the vegetated perimeter swale but it did not leave the site. 9/21/05-10/19/05 - Large amounts of stormwater from the Rt. 7 ramp as well as portions of the perimeter of the site continue to flow to the inlet but the vegetation and stone aid filtration. 8/19-10/19/05 -The overflow channel was no longer flooded. Areas of silt fence damaged during flooding remain in need of repair. 10/19/05. 	<ul style="list-style-type: none"> - Sedimentation and gravel remain contained within the swale. The access road will be paved eventually which will remove the problem. Continue to monitor area until final stabilization. 9/21/05-10/19/05 - Continue to monitor the area and the silt fence could be removed as the stone is now in place. 10/19/05 - Make any repairs necessary to the vegetation and topsoil along the channel now that work is complete. Repair the silt fence before restoration activities begin in the work area, and maintain them until final stabilization. 10/19/05
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> -The Norwalk River has receded since last week's flooding and the overflow channel and the 345kV work area have dried out. Some of the temporary fill was washed away but was not noticeable in the river. 10/19/05 - Sheet piling remains intact at the channel entrance as a temporary, partial dam for the work. 10/5-10/19/05 	<ul style="list-style-type: none"> - All flood damages should be repaired within the work area and surrounding channel. At completion of the work, any remaining temporary fill will be removed and the site restored to its original condition. 10/19/05
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> -Some clearing near the overflow channel and island was necessary to access the work site for the tower. 9/29/05-10/19/05 	<ul style="list-style-type: none"> - Clearing was limited to what is necessary and it will continue to be monitored. 9/29/05-10/19/05

Areas of Inspection	Observation	Recommended Action
Dewatering	-Dewatering was not observed during this inspection. 10/19/05.	-Continue to keep the slurry pit well contained until it is removed. 10/13/05-10/19/05.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	- No drips or leaks were noted on the site at the time of inspection. 10/19/05.	<p>In general:</p> <ul style="list-style-type: none"> - 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		

Next likely scheduled inspection:

Thursday, October 27, 2005

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 Lee Curtis

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Date: October 19, 2005

Inspector: Lee Curtis

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Significant amounts of rain continued to accumulate from the storm event over the last inspection. An additional 4" fell over 10/13-10/14.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 10/19/05	- None at this time.
Foundation construction	-The remaining work is mostly electrical and within the control house. Portions of the site are being energized. 10/19/05. -It appears that the work to fill in structures to the pad is complete. 10/19/05	- The areas are all contained at this time.10/19/05 - Open excavations were not observed at this time. 10/19/05.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Although no silt fence is in place, the perimeter stone berm continues to work well to control the yard even with the significant rain. 10/19/05	-All stockpiles are well-contained and the berm is working effectively at this time. 10/19/05
	- The small remaining piles of sand/soil are not covered in plastic but are well within the site. 3/2-10/19/05 - A small stockpile was noted adjacent to the slab but was well within the site. 10/19/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-10/19/05
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. 10/19/05	- 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. 10/19/05

Areas of Inspection	Observation	Recommended Action
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. 8/19-10/19/05 - The pile may be removed when necessary. 9/15-10/19/05 	<ul style="list-style-type: none"> - Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns. We will continue to monitor the nest as long as the pile remains but it does not appear to be valid at this time. 10/19/05
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - No vegetation outside of the substation yard will need to be cleared during the expansion work. 	<ul style="list-style-type: none"> - N/A
Dewatering	<ul style="list-style-type: none"> - Dewatering was not observed during the inspection. 10/19/05 	<ul style="list-style-type: none"> - None at this time. 10/19/05
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time. 	<ul style="list-style-type: none"> - None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> - No leaks or drips had been noted at the site at the time of inspection. 10/19/05 	<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.
Additional Observations	<ul style="list-style-type: none"> - Following completion of a few future scheduled activities, this substation can be removed from the inspection route. 10/19/05 	

Next likely scheduled inspection:

Thursday, October 27, 2005

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Norwalk Substation: Photo on the left shows a view of the 345kV turning structure. Photo on the right shows a view of the stockpile area near the GIS building. All stockpiles are well contained within the site. (10/19/05)



View of the 345kV turning structure work area damaged during flooding. A portion of the temporary fill appears to have washed out, but the slurry pit remains intact. (10/19/05).



Photo on the left shows trenching near the GIS building continues. Photo on the right shows view of the northern portion of the yard. This area was electrified at the time of inspection. (10/19/05).



Plumtree Substation: It seems work on the structures to the pad have been completed. (10/19/05).