

**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:** August 26, 2004

**Inspector:** Diana Walden

**Location:** Norwalk Substation Expansion

**Storm/  
Rain Event** Approximately 1.15” of rain fell on 8/21 in New Haven, however only a trace of rain was recorded that day in Danbury. No other significant rain was recorded.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> <li>- Access roads are completely accessible. 8/26/04</li> <li>-New Canaan Avenue is still free of tracked sediment from the Norwalk site. 8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. Continue to monitor. 8/26/04</li> <li>- None at this time. Continue to monitor. 8/26/04</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>- Construction of a conduit bank is occurring near the control house. Some stockpiles of soil have occurred as a result around the trench. 8/26/04</li> <li>- The construction and excavation for retaining wall #3 is ongoing. 8/12-8/26/04</li> <li>- Some trenching and concrete pouring continues within the conduit construction near the overflow channel. 8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>- The areas are all well contained at this time. 8/26/04</li> </ul>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> <li>- A section of silt fence located across the overflow channel had come down due to high river levels during the rain last week. 8/19-8/26/04</li> <li>- The remainder of the fence is still in good shape. 8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>- This portion of fence, directly within the channel can be removed completely as it will only impede overflow into the channel. 8/26/04</li> <li>- Continue to be proactive in silt fence repair and maintenance.</li> </ul>
Erosion and Sediment Controls cont'd	<ul style="list-style-type: none"> <li>- Concrete washouts continue towards the center of site in the low fill area. 8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>- The main objective is to keep all washout water from resource areas and storm drains.</li> </ul>
	<ul style="list-style-type: none"> <li>- The topsoil stockpile remains well contained along the retaining wall and fill activities to the east of wall #2 are largely complete. 8/5-8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>- The pile will continue to be used where necessary in areas to be grassed in the future and all soil is well contained. 6/30-8/26/04</li> </ul>
	<ul style="list-style-type: none"> <li>- Grass growth in some areas towards the north and south of the channel is still sparse This includes the area near wall #5 adjacent to where the sheet piling was previously located. 8/12-8/26/04</li> <li>- Some sediment appears to have migrated against the silt fence near the north of the channel. 8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>-Getting vegetation to establish here will be important before the warm growing season is over. The contractors are waiting to do final stabilization activities once all the adjacent work is completed. 8/26/04</li> <li>- Silt fence should not be removed near any area which does not have sufficient stabilization. 8/26/04</li> </ul>
	<ul style="list-style-type: none"> <li>- Coconut fiber logs have been delivered to the site and will be installed into the base of the overflow channel in the near future. 8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>- The biologs will be staked into the base of the channel and seeded. 8/26/04</li> </ul>
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> <li>- The silt fence is still well in place along the river. Most areas have sufficient vegetative cover but a few areas remain sparse. 8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor silt fence and repair as necessary, especially in portions closest to the river. The downed fence, directly across the channel can be removed at this time 8/19-8/26/04</li> </ul>

Areas of Inspection	Observation	Recommended Action
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)	- There should be no need for further clearing for most of the site. Landscaping is planned for along the bike path and native species are to be used. 8/12-8/26/04	- The old scour area will be monitored for cover. Future observations may find that a more significant root structure is needed here. 5/27-8/26/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	- There were no spills reported during the week. A small oil drip and grease spot were noted under several pieces of equipment and the soil will be cleaned up. 8/26/04	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to 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.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Miscellaneous Observations	- New road work was noted on Broad Street to the north of the site. Significant tree clearing had occurred on the banks and islands within the river as work on the bridge takes place. 8/26/04	This work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential source of sedimentation which is not from this site. 8/26/04

**Next likely scheduled**

**inspection:** Thursday September 2, 2004

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

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**Date:** August 26, 2004

**Inspector:** Diana Walden

**Location:** Plumtree Substation Expansion , Bethel

**Storm/  
Rain Event** Approximately 1.15" of rain fell on 8/21 in New Haven, however only a trace of rain was recorded that day in Danbury. No other significant rain was recorded.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 8/264	- None at this time. 8/264
Foundation construction	- Old footing excavations have been backfilled but new ones have been created and footings are under construction.  - The resulting soil stockpiles have been combined and soil which cannot be used will eventually be removed from site 8/19-8/26/04	- Some areas are well contained at this time and the new stockpiles will be covered in plastic before the end of the day. 8/26/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> <li>- There is no silt fence in place at this time, however the stockpiles are somewhat larger following the new excavation. Some of the new stockpiles have not yet been covered with plastic but will be before the end of the day. No sedimentation has occurred. 8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>- All areas are well contained and there is no sedimentation near any areas off-site. 8/26/04</li> <li>- Continue to be proactive in silt fence/plastic covering placement and maintenance.</li> </ul>
	<ul style="list-style-type: none"> <li>- The concrete washout station is being used consistently. 8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>- The main objective is to keep all washout water from resource areas and storm drains.</li> </ul>
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> <li>- Wetlands are located around the outskirts of the substation yard. Work is slightly closer to the perimeter fence than before but there is no noted sedimentation to the wetland area. 8/26/04</li> </ul>	<ul style="list-style-type: none"> <li>- A stone berm around the perimeter of the yard prevents sedimentation and water from the site from getting to the wetland edge. See the dewatering section for further information 8/26/04</li> </ul>
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> <li>- No species of concern are located in this area of construction.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>- No vegetation outside of the substation yard will need to be cleared during the expansion work.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Dewatering	<ul style="list-style-type: none"> <li>- Dewatering activities were once again active and there was a significant amount of water on site from these activities. All of the water is being pumped to flat areas within the yard and is being directed away from stockpiles 8/26/04</li> <li>- Some of the water was traveling to a low spot where</li> </ul>	<ul style="list-style-type: none"> <li>- The stone berm around the perimeter of the yard is creating an effective barrier to the water. One area of the berm however was not as built up as the others and should be repaired with stone. 8/26/04</li> </ul>

Areas of Inspection	Observation	Recommended Action
	the perimeter berm was somewhat reduced. Sedimentation had not occurred beyond the edge of the yard. 8/26/04	
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills	- There were no spills reported during the week. There are very few pieces of machinery on site at this time. 8/26/04	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers.</li> <li>- 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.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations	- The site was fairly muddy as a result of the dewatering but all sediment and run-off was contained on site.	

**Next likely scheduled inspection:**

Thursday September 2, 2004

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



View of the concrete cover of the conduit bank from 8/19/04. As of 8/26/04, a new conduit section was being completed



The silt fence had fallen down within the main portion of the overflow channel (background of photo) as of 8/19/04 and this section can be removed completely.

**PLEASE NOTE: PHOTOS FROM 8/26/04 ARE NOT AVAILABLE DUE TO A MISCOMMUNICATION/MALFUNCTION DOWNLOADING THE PICTURES.**