

**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:** February 23, 2005

**Inspector:** Don Ukers

**Location:** 345kV XLPE Component

**Storm/**

**Rain Event:** Only a trace of precipitation has been recorded since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<p>-Excavation for the jack and bore of East Swamp Brook located at the intersection of Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. is ongoing. 2/16-2/23/06.</p> <p>- A pad has been constructed off Whittlesey and Plumtrees Rd. for the bore pit and the receiving pit is at a pull-off adjacent to Walnut Hill Rd. 1/26-2/23/06</p> <p>- Work also continues at a pull-off along Walnut Hill Rd. 2/23/06</p> <p>-Clearing is complete immediately off Rt. 58 but trenching from Hoyts Hill transition station. A stone access pad is being used. 2/23/06</p> <p>-Work was also occurring within the access drive to Plumtree Substation and in a lawn area off Whittlesey Drive. 2/23/06</p>	<p>- Equipment is located on both sides of the bore as well as in the adjacent ball park. 2/23/06.</p> <p>-Monitor any tracking issues to the roadways. Controls are well in place. 2/23/06</p> <p>- The area was covered in a stone surface. 2/23/06</p> <p>- When work resumes here, portable plastic mats will be used for additional access. 2/23/06</p> <p>- None at this time. 2/23/06</p>
Trench and foundation construction	<p>- Actual excavation within the sheet piling/shoring is ongoing. Shoring is in place</p>	<p>- The area remains well contained at this time. 2/23/06</p>

Areas of Inspection	Observation	Recommended Action
	on both sides of the intersection. 2/23/06	
Trench construction Continued	<ul style="list-style-type: none"> <li>- Vault 2A and B were installed at the pull-off along Walnut Hill Rd. 2/23/06</li> <li>-Vault 1A and B were being installed within the access road, and adjacent to Plumtree Substation. 2/23/06</li> <li>- Work was beginning to install vaults 3A and B but a sewer pipe was encountered. 2/23/06</li> </ul>	<ul style="list-style-type: none"> <li>- Stone was installed at this pull-off location as cover and a stabilizer up to the silt fence line as discussed. 2/23/06</li> <li>- The area was well contained and soil was being removed by truck to a storage facility. 2/23/06</li> <li>- None at this time. 2/23/06</li> </ul>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> <li>-Erosion controls remain well in place adjacent to the road at the J&amp;B pad. 2/23/06</li> <li>-A plastic liner remains installed in the stream bed and up the banks. Stone was installed over it within the stream and soil was placed to secure it on the banks. 2/16-2/23/06</li> <li>- The dewatering pit/box set-up continues to be used whenever necessary and the water remained contained. 2/16-2/23/06</li> <li>- Silt fence had been installed at vault 2A and B but a small hoe was noted. 2/23/06</li> <li>-<b>Hoyts Hill</b>- Silt fence and haybales remain well installed along the cleared area in preparation for trenching. 2/2-2/23/06 A stone pad remains in place for access. 2/23/06</li> </ul>	<ul style="list-style-type: none"> <li>-None at this time, continue to maintain controls during active work. 2/23/06</li> <li>-Silt fence was still in place above the liner but continue to monitor the disturbed area below for sedimentation. The stream was running clear at the time. 2/23/06</li> <li>- The dewatering boxes are working well. Continue to monitor while in use to be sure it has proper capacity. 2/2-2/23/06</li> <li>-The fence was repaired at the time of inspection. 2/23/06</li> <li>- Erosion controls are well in place, continue to monitor and maintain. 2/2-2/23/06</li> </ul>
Inland Wetland and Watercourse encroachment and mitigation	-East Swamp Brook crosses under Plumtrees Rd. A large plastic liner is in place across the bed and up along the banks to keep water out of the bore trench. Stone was installed	- The stream continues to run clear. Be sure to remove the liner and restore the natural bed when work is complete. Watch the banks where soil was disturbed for any erosion.

Areas of Inspection	Observation	Recommended Action
	<p>over the liner to create a temporary natural bed. 2/16-2/23/06</p> <p>- Vegetative clearing is complete in the wetland adjacent to Hoyts Hill. 2/23/06</p>	<p>2/16-2/23/06</p> <p>- Continue to install equipment stabilization here as needed to reduce impacts to the wetland for future equipment access. 2/23/06</p>
<p>State species of concern, threatened and endangered species</p>	<p>-The D&amp;M plan and clearance letter states that state-listed species are not located in this work area.</p>	<p>- N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>-Major clearing was not needed for the receiving side at this time due to mostly low vegetative growth but the liner work did require removal of some of the stabilizing vegetation. 2/16-2/23/06</p> <p>-Clearing complete at the Hoyts Hill transition station where the XLPE will be connecting. 2/23/06</p>	<p>- Clearing was limited to what is necessary and it will continue to be monitored, especially along the disturbed bank. 2/16-2/23/06</p> <p>- None at this time. 2/23/06</p>
<p>Dewatering</p>	<p>-Dewatering continues to the well lined box at the jack and bore. Water was handled very well by the setup. 2/2-2/23/06.</p> <p>- Another box is setup at the access drive to Plumtree Substation and it is also working well. 2/23/06</p>	<p>-Continue to monitor the pit for appropriate capacity. It looks well constructed and is a good idea. 2/2-2/23/06.</p>
<p>Blasting</p>	<p>- No blasting is occurring at this work area.</p>	<p>- None at this time.</p>
<p>Spills and Material Storage</p>	<p>- Equipment should be stored overnight up to 100ft or as far from resource areas where practicable. 1/19-2/23/06</p> <p>-Spills or leaks were not noted at this inspection. 2/23/06</p>	<p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</p> <p>- The contractors should remain vigilant about securing and handling fuel and all other material containers due to the sensitivity of the area.</p>

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage Continued		- Report spills immediately, even if they are being controlled. - Any fuels and agents not in use should be covered and stored before leaving for the day.

**Next likely scheduled inspection:**

Thursday, March 2, 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 for Don Ukers*



345kV XLPE (Vault 1A-B): Both photos show the work within the access drive to Plumtree Substation where a vault is being installed and trenching is beginning for this portion of the project. 2/23/06



(Vault 2A-B) Photo shows a view of the pull-off along Walnut Hill Rd. where the vault was installed and stone was placed as permanent cover. A small repair was needed to the silt fence. 2/23/06



(Jack and Bore): Both photos show a view of the pad on the bore pit side of the stream. Excavation is ongoing within the shoring. Some dewatering has been requires and is well contained. 2/23/06



(J&B and Hoyts Hill): Photo on the left shows the ball park where equipment is temporarily stored and parked. Photo on the right shows the completed clearing along the stretch between Hoyts Hill and Rt. 58. Controls remain in place. 2/23/06