

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 16, 2005

Inspector: Diana Walden

Location: 345kV XLPE Component

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	<p>-Actual excavation for the jack and bore of East Swamp Brook located at the intersection of Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. has begun. 2/16/06.</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. 1/26-2/16/06</p> <p>- Work was also beginning at a pull off along Walnut Hill Rd. where a vault will be installed. 2/16/06</p> <p>-Clearing is almost completed immediately off Rt. 58 in preparation for trenching from Hoyts Hill transition station. 2/16/06</p> <p>A stone access pad is being used off Rt. 58 but equipment was in a fairly wet area beyond the pad. 2/16/06</p>	<p>- Equipment is located on both sides of the bore as well as in the adjacent park. 2/16/06.</p> <p>-Monitor any tracking issues to the roadways. Controls are well in place. 2/16/06</p> <p>- CL&P crews were there currently working on the line. 2/16/06</p> <p>- Contractors were going to look at this spot to determine if more stone or a mat is needed. If further equipment stabilization is needed, the method that creates the smallest impact area should be used. 2/16/06</p>
Trench and foundation construction	<p>- Actual excavation within the sheet piling/shoring has begun. Shoring is in place on both sides of the intersection.</p>	<p>- The area remains well contained at this time. 2/16/06</p>

Areas of Inspection	Observation	Recommended Action
	2/16/06	
Trench construction Continued	<p>-A liner was installed across the stream bed and up the banks to ensure that water does not follow the bore trench when it is being constructed. 2/16/06</p> <p>- Preparation for vault installation along Walnut Hill Rd. is ongoing. 2/16/06</p>	<p>-Stone was placed over the liner to create a temporary natural stream bed. 2/16/06</p> <p>- Stone will be installed at this roadway pull off location as cover and a stabilizer. Just take care not to install beyond the delineated wetland line. 2/16/06</p>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<p>-Erosion controls remain well in place adjacent to the road. 2/16/06</p> <p>- A haybale has been installed as suggested at the gap in the silt fence which was created by run-off from a storm pipe. 2/16/06</p> <p>-A plastic liner was 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. Plastic sandbags were also noted. 2/16/06</p> <p>- The dewatering pit/box had been used and all water remained contained. 2/16/06</p> <p>- Silt fence was being installed at the vault site and a similar dewatering box was in place. 2/16/06</p> <p>-Hoyts Hill- Silt fence and haybales remain well installed along the line of clearing in preparation for trenching. 2/2-2/16/06 A stone pad is also present but work was just beyond it in the wetland.</p>	<p>-None at this time, continue to maintain controls during active work. 2/16/06</p> <p>-None at this time. 2/16/06</p> <p>-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. 2/16/06</p> <p>- The pit looks well constructed. Continue to monitor while in use to be sure it has proper capacity. 2/2-2/16/06</p> <p>- Continue to monitor while in use to be sure it has proper capacity. 2/16/06</p> <p>- Erosion controls are well in place, continue to monitor and maintain. 2/2-2/16/06</p> <p>-Install additional access means if necessary. 2/16/06</p>

Areas of Inspection	Observation	Recommended Action
	2/16/06	
Inland Wetland and Watercourse encroachment and mitigation	<p>-East Swamp Brook crosses under Plumtrees Rd. A large plastic liner has been installed across the bed and up along the banks to ensure water does not follow the bore trench. Stone was installed over the liner to create a temporary natural bed. 2/16/06</p> <p>- Vegetative clearing is almost complete in the wetland adjacent to Hoyts Hill. A few trees remain and they are being removed. 2/16/06</p>	<p>- 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. 2/16/06</p> <p>-A stone pad is in place here. Continue to install equipment stabilization here as needed to reduce impacts to the wetland for equipment access. 2/9-2/16/06</p>
State species of concern, threatened and endangered species	-The D&M plan and clearance letter states that state-listed species are not located in this work area.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<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. 2/16/06</p> <p>-Clearing is almost complete at the Hoyts Hill transition station where the XLPE will be connecting. 2/16/06</p>	<p>- Clearing was limited to what is necessary and it will continue to be monitored, especially along the disturbed bank. 2/16/06</p> <p>- The majority of this area is wetland. Trees should be skidded out on the crossings or towards the transition station to avoid ruts. 2/2-2/16/06</p>
Dewatering	<p>-Dewatering had begun to the well lined pit at the jack and bore. All water was well contained at this point and being filtered well. 2/2-2/16/06.</p> <p>- Another pit is set up along Walnut Hill Rd. 2/16/06</p>	-Continue to monitor the pit for appropriate capacity. It looks well constructed. 2/2-2/16/06.
Blasting	- No blasting is occurring at this work area.	- None at this time.
Spills and Material Storage	- Equipment should be stored overnight up to 100ft or as far from resource areas where	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they

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	practicable. 1/19-2/16/06 - A very small coloration was noted in the snow under the Galion parked across from the jack and bore. 2/16/06	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.
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, February 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



345kV XLPE (Jack and Bore): Photo shows the receiving side of the stream where a plastic liner has been installed under the stream bed and up along the bank. Soil was placed back over the liner. Watch for any erosion issues. 2/16/06



Photo on the left shows the streambed with the liner installed and stones put in place over it. The liner is intended to keep water from seeping into the bore trench. Photo on the right shows the pad where the stockpile was removed and silt fence was righted. 2/16/06



Photo on the left shows the dewatering box at the jack and bore. Minor dewatering has been necessary and it was handled well by the controls. Photo on the left is of the clearing at Hoyts Hill. Stone has been installed at the access point from Rt. 58 for stability. 2/16/06



Hoyts Hill: Clearing is almost complete with several trees remaining and others being chipped. The stone access was in place and an additional stone or a mat may be necessary beyond. Contractors were going to check the status of the soil here. 2/16/06