

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: June 7, 2005

Inspector: Don Ukers

Location: 345kV XLPE Component

Storm/

Rain Event: Between 1.52-2.23" of rain was recorded over 6/1-6/3 and 1.5" of rain was recorded on 6/7 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	-The jack and bore of East Swamp Brook is accessed from the roadway. 2/16-6/7/06.	- Equipment is located on both sides of the bore as well as in the adjacent ball park during the day. 6/7/06.	- Not applicable (N/A)
	- No obvious sediment tracking was present on the roadway. 6/7/06	-Work is mostly inactive at the jacking pit. Continue to monitor. 6/7/06	-N/A
	-The vault near Plumtree Substation continues to be accessed. 5/17-6/7/06	- None at this time. 6/7/06	-N/A
	- Active trench work continues along Rt 58. All catch basins observed during inspection were protected. 6/7/06	-Continue to place controls on CBs where work will occur adjacent. 6/7/06	- All catch basin are protected
	- A continuous gully/washout along the slope of Whittlesey Dr. was noted due to the heavy rain, adjacent to the new sidewalk. Sediment had also washed out onto the sidewalk down gradient. 6/7/06	-The gully formed before vegetation could establish in the recently seeded areas. The area will have to be restored and haybales check dams should be installed to slow run-off velocity. 6/7/06	- N/A.
- Active trenchwork	- None at this time. 6/7/06	- N/A	

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	<p>continues along Rt. 58 and the road was closed to thru traffic. 6/7/06</p> <p>-The trenchwork has connected up to the Hoyts Hill access off Rt. 58 and machinery was still noted. 6/7/06</p>	<p>-Continue to restore the area and remove stone when applicable. Avoid backtracking into the area where mats are in place. Do not access without mats. 6/7/06</p>	<p>- None at this time.</p>
<p>Trench and foundation construction</p>	<p>- Work at the jack and bore of East Swamp Brook located at the intersection of Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. is on hold at this time. Sheet piling/shoring is in place on both sides of the intersection. 6/1-6/7/06</p>	<p>- The area remains well contained at this time but the operation is running into significant problems with keeping water out of the trench. Work is on hold while permits are obtained to install instream sheet piling. 6/1-6/7/06</p>	<p>-N/A</p>
	<p>-Work is complete in the pull-off near vault 2a and b and the area should be restored. 5/10-6/7/06</p>	<p>-See EC section for more details. 6/7/06</p>	<p>-Needs attention</p>
	<p>-Active trenchwork and conduit bank installation continues along Rt. 58. 6/7/06</p>	<p>- See EC section for more details. 6/7/06</p>	<p>-N/A</p>
	<p>-Vaults were being accessed to pull cable between some locations. 5/25-6/7/06</p>	<p>- None at this time. 6/7/06</p>	<p>- N/A</p>
	<p>-The connection between the open trench at the slope at Hoyts Hill on to Rt. 58 is almost complete. 6/7/06</p>	<p>- See erosion control section for more details. 6/7/06</p>	<p>- N/A</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p> <p>Walnut Hill Rd.</p> <p>Jack and Bore</p>	<p>- Work is complete near vault 2A&B. Silt fence remains in place but the area will need some restoration. 5/10-6/7/06</p> <p>-Work is on hold for the</p>	<p>- Efforts were made to bring in topsoil but recent rains caused delays. 5/17-6/7/06 Keep stone surface to the minimum necessary. Allow natural revegetation where possible. 5/10-6/7/06</p> <p>-The stream was still</p>	<p>-Needs attention</p> <p>-N/A at the time</p>

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<p>Whittlesey Dr and Judd Ave</p> <p>Rt. 58</p> <p>Hoyts Hill</p>	<p>time while new permits are being obtained in an attempt to deal with water issues. 5/25-6/7/06</p> <p>- A continuous gully/washout along the slope of Whittlesey Dr. was noted due to the heavy rain, adjacent to the new sidewalk. Sediment had also washed out onto the sidewalk down gradient. 6/7/06</p> <p>- All catch basins observed during the inspection and adjacent to work had controls in place. 6/7/06</p> <p>-Additional jute netting was installed along the lower portion of the slope leading towards Rt 58 but machinery was still noted in this area. 6/7/06</p>	<p>running clear at the time with a natural bed 6/7/06</p> <p>- -The gully formed before vegetation could establish in the recently seeded areas. The area will have to be restored and haybales check dams should be installed to slow run-off velocity. 6/7/06</p> <p>- Continue to protect CBs adjacent to work as necessary. 6/7/06</p> <p>-Now that the open trench is backfilled here, allow wetland vegetation to return. Do not access the area with machinery without access measures 6/7/06</p>	<p>- Needs attention</p> <p>- CBs are being controlled</p> <p>-N/A</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>-East Swamp Brook crosses under Plumtrees Rd. and work here is on hold. 6/7/06</p> <p>-Problems with excess water continue in the trench. 5/4-6/7/06.</p>	<p>- The stream continues to run clear with the natural substrate restored. 6/7/06</p> <p>- Sheet piling in the stream may be necessary and appropriate permits are being obtained. 5/4-6/7/06</p>	<p>-N/A</p> <p>- N/A at this time.</p>
<p>State species of concern, threatened and endangered species</p>	<p>-The D&M plan and clearance letter states that state-listed species are not located in this work area.</p> <p>-The wood turtle was noted at Plumtree Substation during the 5/25/06 inspection.</p>	<p>- N/A</p> <p>-345kV XLPE crews should also be performing daily walkthroughs before moving equipment while working in the vault. Be vigilant when moving equipment. 4/26-6/7/06</p>	<p>-N/A</p> <p>- Crews were informed</p>

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Vegetative clearing limits (including trees to save or danger trees noted)	<p>-Gullies had formed in the recently seeded areas adjacent to the sidewalk at the Whittlesey Dr slope. 6/7/06</p> <p>- When restoring vault 2, a stone surface will be necessary over the vault but wetland vegetation is returning near the silt fence. 5/4-6/7/06</p>	<p>-See erosion control section. 6/7/06</p> <p>- Keep the stone area to the minimum necessary and restore vegetation in the remaining area. 5/4-6/7/06</p>	<p>-Needs attention</p> <p>- Needs attention</p>
Dewatering	<p>-The amount of water continues to overwhelm the dewatering efforts at the jack and bore. Work is on hold. 6/7/06</p> <p>- A filter bag was set up for the vault access work near Plumtree Substation. 6/7/06</p>	<p>- The diversions were all removed from the stream and sheet piling cofferdams are being permitted. 6/7/06</p> <p>- Continue to use the controls. 6/7/06</p>	<p>-N/A</p> <p>- Filter bag is in place</p>
Blasting	<p>- No blasting is occurring at this work area.</p>	<p>- None at this time.</p>	<p>-N/A</p>
Soils	<p>- Soil was being handled appropriately in the Rt 58 trenchwork and the work site is clean and contained. 6/7/06</p> <p>- Topsoil remains stripped and stockpiled at the contractor yard. 3/15-6/7/06</p>	<p>- None at this time. 6/7/06</p> <p>- None at this time. Controls are well installed here. 3/15-6/7/06</p>	<p>- N/A</p> <p>-N/A</p>
Spills and Material Storage Areas	<p>- Equipment should be stored overnight up to 100ft or as far from resource areas where practicable. 1/19-6/7/06</p>	<p>- Report spills immediately, even if they are being controlled.</p> <p>- Any fuels and agents not in use should be covered and stored before leaving for the day.</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>-N/A at the time</p>

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Next likely scheduled inspection: Wednesday June 7, 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: Photo shows the vault 2 area along Walnut Hill Rd which is still waiting for final restoration. 6/7/06



Both photos show some of the asphalt and curbing repair and restoration work performed within the roadways of the Bethel Ed Park. 6/7/06



Both photos show an erosive gully/washout along the entire slope on Whittlesey Drive along the recently restored sidewalk and roadside. Heavy rains washed the area out before vegetation was able to establish. Contractors should repair this and possibly place haybale check dams. 6/7/06



Photo shows another view of the gully. Sediment is washing onto the sidewalk just down gradient from here. 6/7/06