

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 30, 2005

Inspector: Diana Walden

Location: 345kV XLPE Component

Storm/

Rain Event: Highly variable amounts of rain were recorded over 8/25- 8/29 with 1.29" in Danbury and up to 8.05" in Bridgeport as reported by NOAA. Local totals may vary.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	-At the jack and bore of East Swamp Brook, the jacking pit had been restored but required re-excavation to make a repair. Access is gained from Whittlesey Dr. 8/30/06.	- Continue to keep roadways swept as equipment enters. Some tracking/run-off to the gutter was noted on Plumtrees Rd. 8/30/06.	- Needs some attention
	- A catch basin adjacent to the work area had an old filter in place but required new controls. 8/30/06	- Replace the old fabric to prevent turbid run-off to the inlet. Clean gutters along the roadway. 8/30/06	-Needs attention
	- A small area along the ball park access drive remains disturbed due to trailers having parked there 8/16-8/30/06	- Restore this adjacent area when feasible. Continue to monitor the lawn area for stabilization. 8/16-8/30/06	- Continue to restore park.
	- Vault access continues to be necessary in a few locations including # 5. Vehicles had parked in temporarily restored, grassed areas. 8/16-8/30/06	- Plan to re-seed all these areas after access is complete. 8/16-8/30/06	- N/A until access is complete.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Trench and foundation construction	<p>-The jacking pad area had been restored but a necessary repair in the area required re-excavation here. Several large stockpiles are present 8/30/06</p> <p>-Vaults were being accessed along the route. 5/25-8/30/06</p>	<p>-See erosion control section for recommendations. 8/30/06</p> <p>-None at this time. 8/30/06</p>	<p>-N/A</p> <p>- N/A</p>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<p>- Vehicles were no longer parked at vault 2A&B. 8/30/06</p> <p>-The erosion control blankets remained in place along the bank and the top of slopes were starting to show vegetative growth. 8/24-8/30/06</p> <p>- The lawn area along the ball park access had some grass growth but the grass seed was somewhat patchy due to recent rain. 8/30/06</p> <p>- A washout was noted along the previously graded jacking pit yard which undermined the silt fence. 8/30/06</p> <p>- The adjacent catch basin also needed new controls as the old filter fabric was ripping out. 8/30/06</p> <p>- Vault 5 is one of the few remaining areas to restore following access. Several loam stockpiles were noted here. 8/30/06</p>	<p>-The area will need to be permanently re-seeded when access is complete. 8/16-8/30/06</p> <p>-Continue to monitor until vegetation has established. 8/16-8/30/06</p> <p>- Continue to monitor until vegetation has established and restore the adjacent trailer parking area in the park. Reseed some area if necessary. 8/30/06</p> <p>-The area was going to be repaired and reinforced prior to the weekend and predicted rains. 8/30/06</p> <p>- Replace the catch basin controls and remove sediment from the street. 8/30/06</p> <p>- Continue to monitor and restore when access finishes up. 8/16-8/30/06</p>	<p>-Needs attention when access is complete.</p> <p>-Vegetative growth was returning</p> <p>-N/A at this time.</p> <p>- Needs attention</p> <p>-Needs attention</p> <p>- N/A until access is done.</p>
	-The banks of East	-Continue to monitor until	-N/A

Areas of Inspection	Observation	Recommended Action	Corrective Action
Inland Wetland and Watercourse encroachment and mitigation	<p>Swamp Brook remain in good shape. 8/30/06</p> <p>- The restored wetland at the base of slope at Hoyts Hill had vegetative cover returning. Areas of ponding water were also noted after the rains. 8/30/06</p>	<p>final stabilization 8/30/06</p> <p>- Continue to monitor until final stabilization. Vegetative growth continues. 8/30/06</p>	<p>-N/A</p>
State species of concern, threatened and endangered species	<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 if working in this vault. Be vigilant when moving equipment. 4/26-8/30/06</p>	<p>-N/A</p> <p>- N/A</p>
Vegetative clearing limits (including trees to save or danger trees noted)	<p>- Most restored areas had noticeable grass growth. A few vaults had required parking in previously restored areas. 8/24-8/30/06</p> <p>- The area near vault 5 remains to be restored. Loam stockpiles were in place 8/30/06</p> <p>- The jacking pit pad will also need final restoration when repairs are complete. 8/30/06</p>	<p>- Continue to monitor for final stabilization and restore any recently/ currently accessed areas as necessary. 8/16-8/30/06</p> <p>- Remaining areas will be restored when access needs are complete. 7/5-8/30/06</p> <p>- Restore when feasible. 8/30/06</p>	<p>- Needs attention when access is complete</p> <p>- N/A until access needs are complete</p> <p>-N/A at this time</p>
Dewatering	<p>- Dewatering was needed again at the repairs at the jack and bore. Water was being directed into a vegetated area and runs to the silt fence. 8/30/06</p>	<p>- Reinforce silt fence wherever necessary to provide a final control for the water. 8/30/06</p>	<p>- N/A at this time</p>
Soils	<p>- Topsoil remains stripped and stockpiled at the contractor yard. 3/15-8/30/06</p> <p>- Larger stockpiles are</p>	<p>- None at this time. Controls are well installed here. 3/15-8/30/06</p> <p>- See erosion control</p>	<p>- N/A</p> <p>-N/A</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
	<p>noted at the jacking pit pad for the excavation for the repairs. 8/30/06</p> <p>- A few small piles of loam were noted for restoration purposes along the route 8/30/06</p>	<p>section</p> <p>- None at this time. 8/30/06</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. 1/19-8/30/06</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>

Next likely scheduled inspection: Thursday September 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



345kV XLPE: Photo on the left shows the lawn area in the ball park just off Plumtrees Rd. Grass growth is returning but the recent rain caused the grass seed to wash out to some degree. Continue to monitor. Photo on the right shows vegetative growth progressing along the top of the streambank 8/30/06



Photo on the left shows vegetative growth returning along the streambanks with the erosion control blankets in place even after the recent rain. Photo on the right shows the jacking pit area which had been re-excavated in order to make a repair. 8/30/06



Photo on the left shows an adjacent catch basin to the disturbed jacking pit area. An old piece of filter fabric remained but should be replaced to reduce turbid run-off to the inlet. Photo on the right shows where a washout had undermined the silt fence. This was going to be restored and reinforced prior to the weekend. 8/30/06



Photo on the left shows the vault #5 area with some loam stockpiles present. The area will be restored when access needs are complete. Photo on the right shows the restored wetland area off Rt 58 which is beginning to revegetate. Pooling water was also present after the rain. 8/30/06