

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: March 9, 2005

Inspector: Don Ukers

Location: 345kV XLPE Component

Storm/

Rain Event: Very little precipitation has been recorded since the previous inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> -The jack and bore of East Swamp Brook is access from the roadway. 2/16-3/9/06. - Tracking on the roadway was noted from muddy conditions at the ball park. 3/9/06 - Vaults excavations and trenching are accessed from roadways and parking lots in the Bethel Ed. Park complex. 3/2-3/9/06 -Work also continues within the access drive to Plumtree Substation. 2/23-3/9/06 -The stone access will remain off Rt. 58 until trenching from Hoyts Hill transition station begins. 3/2-3/9/06 	<ul style="list-style-type: none"> - Equipment is located on both sides of the bore as well as in the adjacent ball park. 3/9/06. -Continue to monitor. 3/9/06 - Watch catch basins and roadways in the area for any sedimentation issues and install controls if necessary. 3/2-3/9/06 - None at this time. 3/9/06 -This is scheduled for the following week and portable plastic mats will be used for additional access. 3/9/06 	<ul style="list-style-type: none"> -A sweeper was on the way at the time of inspection and streets will be swept regularly. 3/9/06 - N/A at this time. - N/A - N/A
Trench and foundation construction	<ul style="list-style-type: none"> - Actual excavation for the jack and bore of East Swamp Brook located at the intersection of Plumtrees Rd. Walnut 	<ul style="list-style-type: none"> - The area remains well contained at this time. 3/9/06 	<ul style="list-style-type: none"> -N/A

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Trench construction Continued	<p>Hill Rd. and Whittlesey Dr. is ongoing. Sheet piling/shoring is in place on both sides of the intersection. 2/2-3/9/06</p> <p>- Well points were installed to deal with dewatering issues. 3/9/06</p>	<p>- See erosion control section. 3/9/06</p>	<p>- N/A</p>
	<p>- Trenching and conduit installation continue along the Plumtree access drive. 3/2-3/9/06</p> <p>- Excavation for vaults 3&4 along Whittlesey Dr. and vault 5 at the Rt. 302 intersection continue. 3/2-3/9/06</p> <p>- Trenching is also occurring within the student parking lots along Whittlesey Dr. 3/9/06</p>	<p>- The area remains mostly well contained. See erosion control section. 3/9/06</p> <p>- None at this time. There are limited resource areas in the vicinity of these vaults. 3/9/06</p> <p>- None at this time. There are limited resource areas in the vicinity of these vaults. 3/9/06</p>	<p>-N/A</p> <p>- N/A</p> <p>-N/A</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p> <p>Plumtree Substation Drive</p> <p>Jack and Bore</p>	<p>- Trenching along the access drive to Plumtree Substation is adjacent to wetland swales, but controls don't appear to be necessary. 3/2-3/9/06</p> <p>-Several stone piles were placed along the drive adjacent to wetland swales. 3/2-3/9/06</p> <p>- The dewatering box is working well and is in active use. Water exiting the box is well filtered. 3/2-3/9/06</p> <p>- Silt fence at vault 2A&B was well in place but several piles of stone has been placed over it as a result of plowing. 3/2-3/9/06</p> <p>-A new stockpile was</p>	<p>- Watch adjacent areas for any sediment issues, install controls if necessary. (They were not called for in plans).</p> <p>- Watch placement of stone stockpiles and pull back from swales. 3/2-3/9/06</p> <p>-Continue to monitor to be sure it is not used beyond its capacity. 3/2-3/9/06</p> <p>- Stone piles should be placed back on the work side of the fence as soon as feasible. 3/2-3/9/06</p> <p>- Additional erosion controls are recommended along the perimeter fence</p>	<p>-N/A at this time</p> <p>-N/A</p>

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	<p>noted along the perimeter fence at the J&B pad as a result of excavation. 3/9/06</p> <p>-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. 2/16-3/9/06</p> <p>- The sediment pile resulting from the well point was removed. Controls remain in place. 3/9/06</p> <p>-Hoyts Hill- Silt fence and haybales remain installed along the cleared area in preparation for trenching. 3/9/06</p>	<p>to encompass the pile. 3/9/06</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. 3/9/06</p> <p>- None at this time. 3/9/06</p> <p>- None at this time. 3/9/06</p>	<p>- N/A at this time</p> <p>- The sediment pile at the streambank was removed as recommended. 3/9/06</p> <p>-N/A</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>-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 over the liner to create a temporary natural bed. 2/16-3/9/06</p> <p>-Flow has already shaped the pattern of stone within the stream. 3/2-3/9/06</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. 2/16-3/9/06</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>- N/A</p>	<p>-N/A</p>

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Vegetative clearing limits (including trees to save or danger trees noted)	-Most work on this project remains in the roadway, access drives or maintained lawn areas. 3/9/06	-Restore lawn and vegetation as necessary when work is complete during the growing season. 3/2-3/9/06	-N/A until work is complete.
Dewatering Dewatering continued	-Minor dewatering continues to the well lined box at the jack and bore. Water was handled very well by the setup. 2/2-3/9/06. - Well points are installed to handle significant water in the excavation. Water discharging from here is also sent to the box. 3/9/06 - Other box setups remains at the access drive to Plumtree Substation, and vault locations on Whittlesey. 3/9/06	-Continue to monitor the pit for appropriate capacity. It looks well constructed and is a good idea. 2/2-3/9/06. -Continue to monitor. 3/9/06 - Water here is well filtered by the time it leaves the set-up. 3/2-3/9/06	-N/A -N/A -N/A
Blasting	- No blasting is occurring at this work area.	- None at this time.	
Soils	- Soils removed from the trench along the Plumtree Substation access drive were being placed directly into dump trucks and removed from the site 3/2-3/9/06 - Filtering sands have been installed in the well points. 3/9/06	- The area was well contained at the time. 3/9/06 - None at this time. 3/9/06	-N/A at this time N/A
Spills and Material Storage	- Equipment should be stored overnight up to 100ft or as far from resource areas where practicable. 1/19-3/9/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.	

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	<p>-A spill was observed by the contractor's internal inspector on 3/6. A hydraulic line broke under pressure and sprayed oil on the frozen ground at the jacking pit pad. Oil was wiped off surfaces and the first few affected inches of soil was shoveled up, bagged and disposed of. 3/9/06</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> <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>- The spill was noted quickly by the internal inspector and clean up was handled well. 3/9/06</p>

Next likely scheduled inspection:

Wednesday, March 15, 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 (Plumtree Substation): View of the work adjacent to Plumtree Substation where the conduit and vault installation is complete. Backfill and grading is still scheduled to occur. 3/9/06



Both photos show the recently completed conduit installation along the access drive to Plumtree Substation. The areas are well contained. 3/9/06



Jack and Bore: Photo shows a view of the well points installed along the jacking pad. The stockpiles resulting from the excavation were placed near the perimeter fence and erosion controls should be extended to encompass them. 3/9/06



Photo on the left shows a view of the river looking towards the receiving side. Continue to monitor and maintain controls here near the stream. 3/9/06



Photo shows the area adjacent to the streambank where the sediment pile resulting from the well point installation was removed as recommended. Controls remain in place. 3/9/06



Photo on the left shows the baseball park where equipment and machinery park at this time. The adjacent roadway had some sediment tracking and street sweepers were called in. Photo on the right shows trenching within the student parking lot off Whittlesey Dr. 3/9/06