

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: November 23, 2005

Inspector: Diana Walden and Lee Curtis

Location: Overhead Line (Composite 345kV and 115kV Gallows Hill to Archers Lane)

Storm/

Rain Event: Approximately 1.44- 1.70” of rain fell over 11/21-11/22 as reported by NOAA

Areas of Inspection	Observation	Recommended Action
<p>Access Roads and Adjacent Roadways</p>	<ul style="list-style-type: none"> - The ROW is accessible from Gallows Hill Road by an existing trail path with a swing gate, an approved access path in from the east of the ROW, and the access road passing through the Archers Lane substation. 11/23/05 - The ROW had some muddy areas and ruts were present to some degree. 11/23/05 -All low spot/wetland crossings along the ROW have worked very well to filter out sediment from the wetlands. 11/23/05 - Sediment tracking was not noted at Gallows Hill during this inspection but it was present on Diamond Hill Rd (see transition station report). 11/23/05 	<ul style="list-style-type: none"> -Most roads are in good shape. Consider using mats whenever the soil is not stable enough. If any areas still have ruts at the end of the work, it will have to be regraded to return to original conditions. 11/23/05 - Sedimentation is not an issue at this time but continue to monitor. 11/23/05 - The wetland areas will be restored when all work in this section is completed as this is considered temporary access. See erosion control section for more detail. 11/23/05 - Continue to monitor for any issues. 11/23/05
<p>Foundation construction</p>	<ul style="list-style-type: none"> -Installation of poles continue at several locations along the ROW on both the Gallows Hill and Archers Lane portions but a majority of the structures were already in place. 11/23/05 -Several structures were in 	<ul style="list-style-type: none"> - Although there were some stockpiles placed at some sites, most are in upland areas and fairly well contained. 11/23/05 - See dewatering and erosion controls sections.

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	<p>place adjacent to the foundation in preparation for installation. 11/23/05</p> <p>-Drilling operations continue in preparation for a structure foundation adjacent to Archers Lane. 11/17-11/23/05</p>	<p>-None at this time. 11/23/05</p> <p>- None at this time. 11/23/05</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event) Erosion and Sediment Controls</p>	<p>-Silt fence is still mostly in place along the low wetland spots on the access path with water well filtered and clear in all spots. Continue to check status of silt fence along the crossings. 11/23/05</p> <p>- The 2nd structure in from Gallows Hill has a bare soil stockpile/slope adjacent to the wetland. 11/23/05</p> <p>- Sediment, which is likely turbid dewatering from an excavation, had been placed at the top of slope but had drained to a wetland area. This is located off the left fork of the access path to the ROW coming from the Archers Lane station. 11/17-11/23/05</p> <p>- Silt fence was in place around several stockpiles on the ROW as well as near the base of some foundation slopes.. Almost all are in upland locations. 11/23/05</p> <p>- Erosion controls and check dams were noted along a slope off the access road. 11/23/05</p> <p>- The tarp/basin used either for concrete washouts or dewatering the foundations remained on the ROW near Gallows Hill and another was noted on the Archers Lane side. 11/23/05</p>	<p>- The silt fence has done a very good job of keeping turbid water out of the wetlands. It should be maintained as needed to continue its use. 11/23/05</p> <p>- Controls are still in place but the area should be regraded, pulled back from the fence and restored when feasible. 11/23/05</p> <p>- NU and the contractor were confirming the exact location in order to take action. But the sediment should be scraped up and removed as best feasible. Control all dewatering discharge especially near wetlands. 11/17-11/23/05</p> <p>- Silt fence could be extended along at one of the upland piles if sedimentation issues are noted. 11/23/05</p> <p>- None at this time. 11/23/05</p> <p>- Continue to use these areas as needed and maintain them. 11/23/05</p>

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<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>-The D&M plan approved stone on geotextile fabric at the wetland crossings is still working very well but continue to toe in fence as necessary. 11/23/05</p> <p>-There was what appears to be excavation-dewatering discharge that drained to a wetland area off the left fork access road near Archers Lane. 11/17-11/23/05</p>	<p>- None at this time, the crossings have been used consistently. As the access is considered temporary, the stone will be removed when final work ends so the wetlands can be restored. 11/23/05</p> <p>-Contain and remove whatever solid sediment remains here. 11/17-11/23/05</p>
<p>State species of concern, threatened and endangered species</p>	<p>- The overhead portions have been identified as having potential habitat for several state listed species, including several species of turtles and plants. This particular portion of overhead work includes the turtle habitat area. 9/15-11/23/05</p> <p>-The Eastern box turtle has not been observed since the first sighting and are likely in the process of hibernating. 11/23/05.</p>	<p>-Crews had been doing daily sweeps for any turtles in the work areas and noting the results of their efforts on daily construction reports. 11/23/05</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>-The ROW had been mowed in this section in order to allow for truck access and foundation construction. Vegetation that did not need to be removed was left in place on either side of the access path 9/15-11/23/05</p> <p>- Clearing at the Archers Lane/ROW edge was done by CL&P for the recently approved access road to a new structure to be constructed just off the station yard. 11/2-11/23/05</p>	<p>-None at this time. In general limit clearing to those areas necessary. 11/23/05</p> <p>- Extend erosion controls here if necessary. 11/23/05</p>
<p>Dewatering</p>	<p>- As stated previously, dewatering from an excavation appears to have occurred in an</p>	<p>-Remove any sediment accumulation from the ground here and control all</p>

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	<p>uncontrolled location at the top of slope and drained to a wetland. 11/17-11/23/05</p> <p>Tarp basins remain in place on both portions of the ROW. 11/2-11/23/05</p>	<p>dewatering or wet excavation near resource areas. 11/17-11/23/05</p> <p>- Release water to the ground only in well vegetated areas and if it will not reach any resource areas. 11/23/05</p>
Blasting	-No blasting has been necessary at this time on the ROW. 11/23/05	-None at this time. 11/23/05
Spills and Material Storage	<p>- No further spills or drips were noted at this inspection and the issue last week was handled appropriately. 11/23/05</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>- Keep adequately size fuel kits for worst case scenarios.</p> <p>- Report spills immediately, even if they are being controlled.</p> <p>- Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. Use proper storage for all materials.</p>
Additional Observations		

Next likely scheduled inspection: Thursday December 1, 2005

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



Overhead ROW: Apparently turbid dewatering from an excavation remains along the ROW at the first structure immediately off the left fork of the access road coming from Archers Lane. The sediment was placed at the top of slope (left photo) but has drained to the wetland below (right photo) 11/23/05



Photo on the left shows one of the wetland crossings along the access road with standing water being filtered well. Photo on the right shows erosion controls in place including check dams along a slope. 11/23/05



Photo on the left shows a temporary dewatering pit set up to contain turbid discharge. Photo on the right shows a portion of the ROW with some muddy conditions. Sedimentation was not an issue at this time but continue to monitor and recontour the area when work is complete. 11/23



Photos shows a view of the wetland crossing near Gallows Hill R.d. The bare slope of sediment is still present immediately adjacent to the wetland but controls are in place. Regrade and restore the area when practicable. 11/23/05



View of the structure off Gallows Hill where risers are being installed and the structure prepared for line work. 11/23/05)



Photo on the left is looking along the access road towards Gallows Hill where several poles have been installed. Photo on the right looks across Redding Rd to Archers Lane at the structures installed here. 11/23/05