

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 18 and 19, 2005

Inspector: Diana Walden

Location: 345kV Underground Route

Storm/

Rain Event: A localized storm to the Danbury/Stamford area was recorded on 8/14 and posted by NOAA as having 1.38” of rain. Totals may have been higher in certain places.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	<ul style="list-style-type: none"> - Trenching, pipe installation, and sawcutting operations continue along Rt. 7 in Wilton during the night in several locations including near Marvin Gardens and Seeley Rd. 8/19/05 - Trenching and pipe installation continued along Rt. 107 during the day in the vicinity of Blueberry Hill Rd. 8/19/05 - Vault/manhole installation is occurring off the roadway of Rt. 7 in the parking lot of a hair salon as well as off Rt. 107 in front of a house. Preparations for a bore under a stream near Allen’s Meadows Park are occurring. 8/19/05 	-The majority of the work has been in the roadway and seems well contained for the most part. Some work is also located off the road shoulder or in parking areas. See erosion control and material storage sections for specific recommendations. 8/19/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Areas of silt fence remain installed in the areas of active work along Rt. 7 and Rt. 107 where needed. 8/19/05	- Continue to monitor and maintain and repair the fence when active work approaches an area. When active construction passes, fence will be left in place for when work returns to an area. 8/19/05

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (continued)</p>	<ul style="list-style-type: none"> - The silt fence located at the edge of the original storage yard near the Rt. 107 and 7 intersection has been pushed over completely due to separate landowner activities. 8/19/05 - The silt fence at the base of the soil stockpile near the Rts 107/7 intersection has been pushed over completely and needs repair. 8/19/05 -The curb cut across from Seeley Rd has been protected with haybales as recommended. 8/19/05 - The haybales on some of the catch basins previously protected on Rt. 7 have become degraded or were moved by equipment traffic. Slurry muds were noted along the roadway, even during the following day.8/19/05 - Catch basins in the vicinity of the vault installation were not protected and some sediment was present on the roadway. 8/19/05 - Some catch basins in the vicinity of Rt. 107 daywork were protected as recommended but several were not. 8/19/05 - Slurry mud was tracked down the road from the Rt.107 work where it turned off the roadway and caused some erosion under a wooden fence. 8/19/05 	<ul style="list-style-type: none"> - This fence needs repair as wetlands are immediately beyond the yard. 8/19/05 -In general, practice appropriate “housekeeping” and be sure to remove any left over debris from work areas. - The silt fence should be repaired as long as soil is piled here. 8/19/05 - Continue to maintain and be consistent with catch basin and inlet protection measures when work is in the vicinity, including areas steeply downgradient from sawcutting. Filter fabric is also an accepted measure if haybales are difficult to maintain. 8/19/05 - In general, catch basins should also be cleaned regularly and roadways swept of sediment attributed to the project. 8/19/05 - Contain all muds and monitor where water is flowing even when catch basins are not the receivers. The erosive gully may need to be repaired, especially as it is off the roadway. 8/19/05
<p>Adjacent Wetlands and Waterways</p>	<p>-It appears that none of the wetland resource areas adjacent to the roadway work have been affected by the</p>	<p>-None at this time. Continue to monitor. Keep all slurry muds and roadway from reaching catch basins as they may outlet</p>

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	<p>activities. No sedimentation or turbidity was noted. 8/19/05</p> <ul style="list-style-type: none"> - The brush pile in the storage yard off School Rd. was moved to the edge of the wetland area and the soil was removed. 8/19/05 	<p>to wetlands and streams and keep muds contained to work areas. 8/19/05</p> <ul style="list-style-type: none"> - In general, cleared vegetation and wood chips etc, should be placed outside of wetland boundaries.
<p>Staging, Storage, and Parking Areas</p>	<ul style="list-style-type: none"> - The silt fence at the equipment storage yard located on property off Rt. 7, south of the Rt 107 and 7 intersection has been completely pushed over by separate landowner activities. 8/19/05 - The additional storage and staging yard for equipment and constructing trench materials along Rt. 7, appears to be in good repair and equipment was also noted in the church lot again. 8/19/05 -At the School Rd. storage area, the extra soil was removed entirely and the brush pile was moved to the wetland edge. 8/19/05 	<ul style="list-style-type: none"> -Repair the fence due to wetlands located immediately adjacent. 8/19/05 - In general, equipment should not be left above or adjacent to wetlands during inactive hours. - Continue to keep the area contained. 8/19/05
<p>Soils</p>	<ul style="list-style-type: none"> - Most soils along the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. However, any soils from the work in Redding which meet the RSR levels are being used in the landfill as daily cover. 7/14-8/19/05 	<ul style="list-style-type: none"> - Soils appear to be handled appropriately. 8/19/05
<p>State species of concern, threatened and endangered species</p>	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A

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Vegetative clearing limits (including trees to save or danger trees noted)	<p>-Some minor ground cover disturbance has been necessary in a few locations, including several areas of bare soil where trenching and vault installation occurred. 8/19/05</p> <p>- A vault/manhole was installed in front of a single family home on Rt. 107 and caused some disturbance in the lawn. The area has been regraded well and seeded. Mulch was being placed. 8/19/05</p>	<p>- When ground cover removal is necessary along the sides of the roadway, the areas should be restored and reseeded following the work. 8/19/05</p> <p>- According to the D&M plan, areas that are disturbed but will not be worked in for over 21 days should be temporarily stabilized/reseeded after 7-14 days. Restoration crews should be attending these areas prior to the deadline.</p>
Dewatering	<p>-Dewatering that occurs along Rt. 107 and Rt. 7 is being directed to a frac tank truck. Most of the water is coming from soils that are considered contaminated and cannot be discharged to the ground due to the pollutant levels in the area.</p>	<p>- It could be determined whether the watershed basin is stressed due to removal of the groundwater.</p> <p>-In general, keep dewatering from any clean soils directed to haybales/corrals as proposed. Do not allow unfiltered water to discharge directly to wetlands, streams or catch basins.</p>
Blasting	<p>- No blasting is occurring on site at this time and it is not anticipated to be necessary.</p>	<p>- None at this time.</p>
Spills and Material Storage	<p>- No spills or leaks were observed during the inspection. 8/19/05</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers.</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>- Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>

Areas of Inspection	Observation	Recommended Action
Additional Observations		

Next likely scheduled inspection: Thursday, August 25, 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



345kV (Rt. 7 Nightwork) Photo on the left: The silt fence at the small stockpile near the Rt. 7/107 intersection has fallen down. Photo on the right: The catch basin here is well protected and has prevented noticeable sediment from entering the inlet. (8/19/05)



Overall view of the trenchwork and repaving out along Rt. 7 and in the vicinity of Marvin Gardens nursery. (8/19/05)



Photo on the left: Near Seeley Rd., the inlet swale is well protected with haybales as recommended. Photo on the right: View of the area in front of the Wilton fields recently disturbed and to be at least temporarily restored when work is complete here. (8/19/05)



Photo on the left: The brush pile has been moved back to the wetland edge and the dirt piles are completely removed. Photo on the right: The silt fence has been knocked over at the original storage yard due to landowner activities. It should be repaired. (8/19/05)



345kV (Rt. 107, Daywork) Photo on the left: General view of the trench work. Photo on the right: a recently completed vault installation. The landowner's property was regraded and seeded appropriately. More mulch is being added. (8/19/05)



As a result of the trenching, slurry mud has run down the road and headed off site to private property causing some erosion under a fence. Muds should be controlled, even when there are no catch basins in the vicinity and the erosion should be repaired. (8/19/05)