

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: July 26, 2006

Inspector: Don Ukers

Location: Overhead Line (Composite 345kV and 115kV Gallows Hill to Archers Lane, 345kV H-Frame Hoyts Hill to Gallows Hill, and Norwalk Section)

Storm/

Rain Event: Between 0.55-1.53" of rain was recorded over 7/21-7/22 with possibly higher localized totals as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	- The Composite ROW work is mainly accessible from Gallows Hill Rd by an existing trail path with a swing gate, and an access road passing through the Archers Lane substation. 7/26/06. -Most steep slopes have erosion in the stone dust.	- If necessary, additional measures for stability should be considered for access needs. If any areas still have ruts at the end of the work, they will need to be regraded to return to original conditions. 12/8/05-7/26/06.	-Not Applicable (N/A) until evaluation at the end of work.
Composite	- Active clearing was not noted past Archers Lane. Wood chips have been blown off the cleared ROW in some areas. See the vegetative clearing section for more details. 3/2-7/26/06.	-See vegetative clearing section for details and recommendations. 7/26/06.	- Still needs attention
	- Silt fence along the access road past Archers Lane was repaired at the second crossing. 7/26/06.	-Continue to address any other problem areas. Also, continue to remove any accumulated sediment in the wetlands 7/26/06	-Silt fence was repaired.
345kV H-Frame	- Work areas are accessed from Hoyts Hill, Chestnut Ridge Rd, Webb Rd, Lime Kiln Rd, Whortleberry Rd, John	-Continue to monitor the conditions of all access roads. If muddy conditions re-occur, place	- N/A at this time

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<p>Norwalk Section</p>	<p>Todd Way and Costa Lane. 3/29-7/26/06.</p> <p>-The wire pulling equipment was removed from the mats in the wetland off Rt 58 at Hoyts Hill. 7/26/06</p> <p>- Washouts in the access road between poles #5-6 were repaired through grading and more woodchips. 7/26/06.</p> <p>- The access road erosion near structure #31 was regraded but erosion returned even with the haybales in place. 7/19-7/26/06.</p> <p>- Controls at Bethel water building were in good shape. However, Webb Rd is receiving significant storm run-off from Nashville Rd ext. 7/12-7/26/06.</p> <p>- The Kent Rd (north) stone access pad appears to have been cleaned up and sediment was not noted on the street. 7/19-7/26/06.</p> <p>-Mats remain in good shape over the wetlands in this section. 7/26/06</p> <p>-A new crossing is in place over the tracks to the Wilton Terrace portion of the ROW from Arrowhead Rd. 7/26/06</p> <p>-Mats were not yet necessary to access the structure near the</p>	<p>more wood chips or consider installing silt fence as needed. 7/26/06.</p> <p>- 345kV XLPE crews will be restoring this area when access needs are complete. 7/26/06</p> <p>- Maintain existing erosion controls as necessary. 7/26/06.</p> <p>-Continue to monitor and keep stone out of any resource areas. Haybales currently contain the sediment. 7/26/06</p> <p>- Flow from Webb Rd during rain events is not project related but it is washing out the road with each storm 7/5-7/26/06</p> <p>- Continue to maintain this entrance and sweep street when necessary. Add more stone if needed 7/19-7/26/06</p> <p>- None at this time. 7/26/06</p> <p>- None at this time. 7/26/06</p> <p>- Continue to monitor and use mats if equipment</p>	<p>- The equipment was removed completely.</p> <p>- Washouts were repaired.</p> <p>-Look into more permanent solutions.</p> <p>- Evaluate road condition</p> <p>-N/A at this time</p> <p>-N/A</p> <p>-N/A</p> <p>- N/A at this time.</p>

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	<p>wetland and pond here as the location was pulled back. 7/26/06</p> <p>-Several wetlands are matted to the south of Kent Rd. Controls remain in good shape. 7/26/06.</p>	<p>must access the wetland area. 7/26/06</p> <p>- Continue to maintain and reinforce the spots that continuously wash out. 7/12-7/26/06</p>	<p>- N/A at this time</p>
<p>Line Construction Composite</p> <p>345kV H-Frame</p> <p>Norwalk Section</p>	<p>- No activities were noted at the time of inspection. 7/26/06.</p> <p>- Crews were clipping in wire near structures #2 and #24 as well as in the Bethel Res section. 7/26/06.</p> <p>- Wire pulling crews were demobilizing from John Todd Way. 7/26/06</p> <p>- Old towers remain down in the area of Perry Ave, Kent Rd, North Seir and the Rt.7 extension. They will be removed eventually. 7/26/06.</p> <p>- Some work continues in the section off North Seir Hill Rd., including digging a foundation for #11063. 7/26/06.</p> <p>- Structure installation continues to the north of Kent Rd 7/26/06.</p> <p>- Foundation work continues in the section south of Arrowhead Rd. Steel structure components were being delivered to the site adjacent to the wetland/ pond (#51). 7/26/06</p>	<p>- None at this time. 7/26/06.</p> <p>- None at this time. 7/26/06.</p> <p>- None at this time 7/26/06</p> <p>- None at this time 7/26/06</p> <p>-See erosion control section. 7/26/06.</p> <p>- See erosion controls section. 7/26/06.</p> <p>- See erosion controls section for information. 7/26/06.</p>	<p>-N/A</p> <p>-N/A</p> <p>- N/A</p> <p>- N/A</p> <p>-N/A</p> <p>- N/A</p>

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<p>Erosion and Sediment Controls</p> <p>Composite</p> <p>Erosion controls continued</p> <p>345kV H-Frame</p> <p>Bethel Reservoir Section to Chestnut Ridge Rd.</p>	<p>- Water levels appear to remain below problem levels at the 2nd wetland crossing along the Archers Lane access road however sediment accumulation was noted in the wetland. 7/26/06.</p> <p>- Silt fence was repaired in several spots past Archers Lane along the access road where sediment had been overtopping. 7/26/06</p> <p>- Wood chips had been blown into the uplands and wetland area at the third structure in from Gallows Hill Road. 2/22-7/26/06. Another area with deep wood chips off the cleared ROW remains past Archers Lane. 3/15-7/26/06.</p> <p>- An old stockpile was noted at a structure before Rt 53 off Gallows Hill. 5/17-7/26/06</p> <p>- Controls had been straightened up further at the structure #34 off Gallows Hill and sediment was no longer encroaching 7/26/06</p> <p>-The majority of the pile at structure#6 has been removed but soil remains encroaching on wetlands 4/12-7/26/06.</p>	<p>- Controls were repaired but sediment should still be removed carefully. 7/26/06.</p> <p>-Continue to monitor and remove sediment if necessary 7/26/06</p> <p>-Make sure chips stay on the ROW. Contractors should remove the off ROW chips since this is not allowed in the D&M plan. 2/22-7/26/06.</p> <p>- Wood chips on the ROW can remain at a depth of 3". Deeper piles should be spread out. 4/6-7/26/06.</p> <p>-Make sure that restoration occurs in previously disturbed areas and that materials are removed and not forgotten in place. 5/17-7/26/06</p> <p>- The area should be restored and vegetated-even if it is temporarily. 6/14-7/26/06</p> <p>- Remove the soil here as soon as conditions can support this without further impact. 2/22-7/26/06.</p>	<p>-Controls were repaired.</p> <p>- Silt fence was repaired</p> <p>-Still needs attention (CL&P is looking into a solution here)</p> <p>- Needs attention when feasible</p> <p>- Haybales were straightened up.</p> <p>- Needs attention when feasible</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
<p>Costa Lane, Whortleberry, Lime Kiln and John Todd Way</p> <p>Norwalk Section</p> <p>Kent Rd. (North – new ROW section)</p>	<ul style="list-style-type: none"> - Ruts and disturbance remain in the wetland between poles #10-11. although vegetation is increasing 7/26/06. - The additional fence for the access and clearing for wire pulling remains in place near structure #24 7/26/06. - The driveway contractor (unrelated to the project) remains in this area. The driveway fill appears to encroach on wetlands as the contractor widened the road. 7/19-7/26/06. - The access road erosion near structure #31 was regraded but erosion had returned despite the haybales. 7/19-7/26/06 -Sediment at the silt fence near pole #11078 was building up again. 7/19-7/26/06. - The silt fence near the foundation at the Norwalk substation was almost washed over. 7/19-7/26/06. Bare, exposed soil remains adjacent to the foundation. 6/7-7/26/06 - A section of silt fence along North Seir Hill Rd near #11067 was down but repaired by the end of the day 7/26/06 -Silt fence remains in 	<ul style="list-style-type: none"> - Haybales should be placed across the ROW to prevent sedimentation and help discourage access. 5/17-7/26/06 - Continue to monitor and reinforce the original silt fence at this structure as the area tends to wash out. 7/5-7/26/06. - This is not project related but should be noted for the record in case there are issues here later. 6/7-7/26/06. - Keep all stone/sediment from entering resource areas and evaluate better stabilization measures. 7/19-7/26/06 -This area should be restored/seeded even if temporarily since this area washes out regularly 7/19-7/26/06 - Restore the adjacent area with vegetation to reduce potential run-off, even if it is temporarily. 6/7-7/26/06 Restore and reinforce the controls here. 7/19-7/26/06 - The silt fence was repaired by the end of the day. 7/26/06 - Continue to monitor and 	<ul style="list-style-type: none"> - Needs attention (even though the majority of the damage is not project related.) -Could use additional reinforcement. - Not project jurisdictional -Continue to evaluate. Haybales are containing sediment for now -Needs attention when feasible - Needs attention - Silt fence was repaired

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Kent Rd. (South)	<p>good shape at the structure location adjacent to the wetland . 7/26/06</p> <p>- The stone access pad north of Kent Rd appeared to be cleaned up. 7/19-7/26/06</p> <p>- Silt fence remains along both banks of the stream and near the foundation at the pond in the Kent Rd north section. 7/19-7/26/06.</p> <p>- Mats are installed along much of the ROW south of Kent Rd. The silt fence was reinforced with haybales in the spots that had washed out. 7/19-7/26/06.</p>	<p>maintain silt fence when necessary. 7/26/06</p> <p>-Continue to maintain and sweep the street when necessary. Improve pad if needed. 7/19-7/26/06</p> <p>-Continue to monitor and maintain as needed. 7/26/06</p> <p>-Continue to repair and reinforce. These areas will be difficult to control during heavy rain due to the drainage patterns. 7/12-7/26/06</p>	<p>-N/A at this time</p> <p>-N/A at this time</p> <p>- N/A at this time</p> <p>- N/A at this time</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Composite</p> <p>345kV H-Frame</p>	<p>-The D&M plan approved stone on geotextile fabric at the wetland crossings have worked fairly well. 4/6-7/26/06.</p> <p>- Some sediment had accumulated in the 2nd crossing and turbid run-off had been noted previously in the 3rd crossing 7/26/06</p> <p>- The wire pulling equipment was removed from the mat at the wetland by Rt. 58. 7/26/06</p> <p>- At structure #6, most of the mud was removed</p>	<p>- As the access is considered temporary, the stone will be removed when final work ends so the wetlands can be restored. 1/26-7/26/06.</p> <p>- Crossing controls were repaired. Remove any sediment carefully. 7/26/06.</p> <p>- Discuss supporting 345kV XLPE crews when they restore this wetland. 7/26/06</p> <p>- Continue to remove entire pile. 2/16-7/26/06.</p>	<p>-N/A until evaluated at the end of work.</p> <p>-Controls were repaired</p> <p>- Equipment was removed</p> <p>-Needs attention when feasible.</p>

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<p>Norwalk Section</p> <p>All Sections</p>	<p>from the wetland and they will continue to do so. 4/6-7/26/06.</p> <p>- Non project related vehicles had not returned to the wetland between #10-11 but damage remains. Vegetative growth has increased 7/26/06</p> <p>-Work continues at the edge of the wetland near the pond at Kent Rd with minor disturbance. 7/26/06</p> <p>- Use caution in removing trees from wetland areas. Avoid creating ruts when skidding them out. 3/29-7/26/06.</p> <p>-If a wetland is being used as amphibian breeding habitat, retaining some wood debris at its boundaries may be beneficial. 3/2-7/26/06.</p>	<p>- Haybales should be added across the access road on both side of the wetland to reduce sedimentation. 5/25-7/26/06</p> <p>- The location was as far back from the wetland as possible and controls are in place. 7/26/06</p> <p>- Retain shrubs and low growth as much as possible, especially at stream buffers. 3/2-7/26/06.</p> <p>-Carefully remove brush piles and trees from near wetland areas. 3/2-7/26/06.</p> <p>- Watch this near the pooled area on the new ROW section</p>	<p>-Needs attention (the majority of disturbance is from non project related vehicles)</p> <p>- N/A at this time</p> <p>- N/A</p> <p>-N/A</p>
<p>State species of concern, threatened and endangered species</p>	<p>- The composite portion of overhead work includes state-listed turtle habitat area. 9/15-7/26/06.</p> <p>-An Eastern box turtle was noted crossing the access road near structure #7 in the Chestnut Ridge Rd section on 6/14/06.</p>	<p>- Now that weather is warmer, daily walkthroughs should be occurring prior to any work in the area. 4/6-7/26/06.</p> <p>- Perform walkthroughs in this new section as well. 6/14-7/26/06.</p>	<p>-N/A at this time</p> <p>-N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>- Adjacent homeowners near Gallows Hill mentioned damage to mountain laurel and other shrubs. 3/2-7/26/06.</p>	<p>-In general, take care in retaining shrubs and use mats to access or skid out trees from wetlands. 2/22-7/26/06.</p> <p>-Replace shrubs where necessary. 7/26/06.</p>	<p>-Needs attention when feasible</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
	the ROW. 7/26/06.		
Spills and Material Storage	<p>-None of the parked or active equipment was leaking at the time of inspection. 3/15-7/26/06.</p> <p>- The machinery was the removed from the mats off Rt 58. 7/26/06</p> <p>- In general, equipment should be parked over 100 ft from resource areas or as far as feasible. 7/26/06</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>- Avoid refueling in the areas near the wetlands. Use proper storage for all materials.</p>	<p>-N/A</p> <p>- Machinery was removed.</p>
Additional Observations			

Next likely scheduled inspection: Thursday August 3, 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



(Composite Section): Photo on the left shows repairs made to the silt fence along the access road on the Archers Lane ROW. Photo on the right shows erosion along the steeper slopes within the access road. 7/26/06



(345kV H-Frame): Photo on the left shows some danger trees marked out for clearing along this section. Photo on the right shows a view of the wetland between structures #10 and 11. Vegetation is returning where the mats had been but haybales could still be installed across the road. 7/26/06.



Photo on the left shows crews clipping in wire near structure #2. Photo on the right shows where some repairs were made to erosion in the access road. Wood chips were added. 7/26/06



Photo on the left shows crews clipping in wire at structure #24 off John Todd Way. Photo on the right shows a view of the widened road resulting from the residential contractor's work. 7/26/06.



(Norwalk Section): Photo on the left shows work off Wilton Terrace, pouring foundations at structure #51. Photo on the right shows crews unloading steel near structure location #52. 7/26/06.



(Kent Rd) Photo shows installation of structures along the ROW to the north of Kent Rd. 7/26/06



Photo on the left shows the haybales in place along the access road to the south of Kent Rd. Continue to monitor this spot. Photo on the right shows where silt fence needs repair between #11067 and 11068 off North Seir Hill Rd. 7/26/06



Photo shows drilling occurring at structure location #11063 off North Seir Hill Rd. 7/26/06