

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 3, 2006

Inspector: Don Ukers, David Stowe

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: Approximately 0.48" of rain was recorded on 7/28 with possibly higher localized totals as reported by NOAA.

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. 8/3/06. -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. 12/8/05-8/3/06.	-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. 3/2-8/3/06.	-See vegetative clearing section for details and recommendations. 8/3/06.	- Still needs attention
345kV H-Frame	- Work areas are accessed from Hoyts Hill, Chestnut Ridge Rd, Webb Rd, Lime Kiln Rd, Whortleberry Rd, John Todd Way and Costa Lane. 3/29-8/3/06. - The access road erosion near structure #31 was regraded but erosion	-Continue to monitor the conditions of all access roads. If muddy conditions re-occur, place more wood chips or consider installing silt fence as needed. 8/3/06. -Continue to monitor and keep stone out of any resource areas. Haybales	- N/A at this time -Look into more permanent solutions.

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<p>Norwalk Section</p>	<p>continues to the adjacent driveway even with the haybales in place. 7/19-8/3/06.</p> <p>- Controls at Bethel water building were in good shape. However, Webb Rd has received significant storm run-off from Nashville Rd ext. 7/12-8/3/06.</p> <p>- The Kent Rd (north) stone access pad appears to have been cleaned up and sediment was not noted on the street. 7/19-8/3/06.</p> <p>-Mats remain in good shape over the wetlands in this section. 8/3/06</p> <p>-A new crossing is in place over the tracks to the Wilton Terrace portion of the ROW from Arrowhead Rd. 8/3/06</p> <p>-Several wetlands are matted to the south of Kent Rd. One spot had stone from the road washed out over the silt fence. 8/3/06.</p>	<p>currently contain the sediment. 7/26-8/3/06</p> <p>- Flow from Webb Rd during rain events is not project related but it is washing out the road with each storm 7/5-8/3/06</p> <p>- Continue to maintain this entrance and sweep street when necessary. Add more stone if needed 7/19-8/3/06</p> <p>- None at this time. 8/3/06</p> <p>- None at this time. 8/3/06</p> <p>- Continue to maintain and reinforce the spots that continuously wash out. 7/12-8/3/06</p>	<p>- Evaluate road condition</p> <p>-N/A at this time</p> <p>-N/A</p> <p>-N/A</p> <p>- Needs some attention</p>
<p>Line Construction Composite</p> <p>345kV H-Frame</p>	<p>- Crews were clipping in wire at structures in the ROW beyond Archers Lane station. 8/3/06.</p> <p>- Crews were done clipping in wire in the Chestnut Ridge and Bethel res. area. 8/3/06.</p> <p>- Empty spools remain stored at John Todd Way; Crews were now working near #11031</p>	<p>- None at this time. 8/3/06.</p> <p>- None at this time. 8/3/06.</p> <p>- None at this time 8/3/06</p>	<p>-N/A</p> <p>-N/A</p> <p>- N/A</p>

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<p>Norwalk Section</p> <p>Line Construction continued</p>	<p>8/3/06</p> <ul style="list-style-type: none"> - Old towers remain down in the area of Perry Ave, Kent Rd, North Seir and the Rt.7 extension. They will be removed eventually. 8/3/06. - Rope pulling was noted in the section off North Seir Hill Rd. All new foundations have been poured. 8/3/06. - Structures are in place along the ROW north and south of Kent Rd. 8/3/06. - Work continues in the section south of Arrowhead Rd. Clearing was occurring for wire pulling set-up. Grading work was occurring near pole #51, adjacent to the wetland. 8/3/06 	<ul style="list-style-type: none"> - None at this time 8/3/06 -See the erosion control section. 8/3/06. - See erosion controls section. 8/3/06. - See erosion controls section for recommendations. 8/3/06. 	<ul style="list-style-type: none"> - N/A -N/A - N/A - N/A
<p>Erosion and Sediment Controls</p> <p>Composite</p> <p>Erosion controls continued</p>	<ul style="list-style-type: none"> - 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. 8/3/06. - Wood chips had been blown into the uplands and wetland area at the third structure in from Gallows Hill Road. 2/22-8/3/06. Another area with deep wood chips off the cleared ROW remains past Archers Lane. 3/15-8/3/06. - An old stockpile was 	<ul style="list-style-type: none"> - Controls were repaired but sediment should still be removed carefully. 7/26-8/3/06. -Make sure chips stay on the ROW. Contractors should remove the off ROW chips since this is not allowed in the D&M plan. 2/22-8/3/06. - Wood chips on the ROW can remain at a depth of 3". Deeper piles should be spread out. 4/6-8/3/06. -Make sure that 	<ul style="list-style-type: none"> -N/A -Still needs attention (CL&P is looking into a solution here) - Needs attention when

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<p>345kV H-Frame</p> <p>Bethel Reservoir Section to Chestnut Ridge Rd.</p> <p>Costa Lane, Whortleberry, Lime Kiln and John Todd Way</p> <p>Norwalk Section</p>	<p>noted at a structure before Rt 53 off Gallows Hill. 5/17-8/3/06</p> <p>- The controls at structure #34 off Gallows Hill remain in good shape but the surrounding area is bare of vegetation 8/3/06</p> <p>-The majority of the pile at structure#6 has been removed but soil remains encroaching on wetlands 4/12-8/3/06.</p> <p>- Ruts and disturbance remain in the wetland between poles #10-11. although vegetation is increasing. Silt fence up gradient of here is also down 8/3/06.</p> <p>- Silt fence near structure #25 off Lime Kiln is coming down and should be repaired. 8/3/06.</p> <p>- 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. 7/19-8/3/06.</p> <p>- The access road erosion near structure #31 was regraded but erosion had returned despite the haybales. 7/19-8/3/06</p> <p>- Silt fence near pole #11078 was coming down again. 8/3/06.</p>	<p>restoration occurs in previously disturbed areas and that materials are removed and not forgotten in place. 5/17-8/3/06</p> <p>- The area should be restored and vegetated-even if it is temporarily. 6/14-8/3/06</p> <p>- Remove the soil here as soon as conditions can support this without further impact. 2/22-8/3/06.</p> <p>- Haybales should be placed across the ROW to prevent sedimentation and help discourage access. 5/17-8/3/06 Repair silt fence 8/3/06</p> <p>- Repair/ reinforce the controls as necessary. Revegetate the area as ASAP to reduce run-off. 8/3/06.</p> <p>- This is not project related but should be noted for the record in case there are issues here later. 6/7-8/3/06.</p> <p>- Keep all stone/sediment from entering resource areas and evaluate better stabilization measures. 7/19-8/3/06</p> <p>-This area should be restored/seeded even if temporarily since this</p>	<p>feasible</p> <p>- Needs attention when feasible.</p> <p>- Needs attention when feasible</p> <p>- Needs attention (even though the majority of the damage is not project related.)</p> <p>-Needs additional reinforcement/repair.</p> <p>- Not project jurisdictional</p> <p>-Continue to evaluate.</p> <p>-Needs attention to repair fence</p>

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<p>Kent Rd. (North – new ROW section)</p> <p>Arrowhead Rd (south)</p> <p>North Seir Hill Rd</p> <p>Kent Rd. (South)</p>	<p>- The silt fence near the foundation at the Norwalk substation was almost washed over. 7/19-8/3/06. Bare, exposed soil remains adjacent to the foundation. 6/7-8/3/06</p> <p>- The stone access pad north of Kent Rd appeared to be cleaned up. 7/19-8/3/06</p> <p>- Silt fence remains along both banks of the stream and near the foundation at the pond in the Kent Rd north section. 7/19-8/3/06.</p> <p>-Silt fence was down at pole #11051 to accommodate grading work. This is a small workspace. 8/3/06</p> <p>- The silt fence along North Seir Hill Rd near #11067-68 was installed incorrectly with stakes on the wrong side 8/3/06</p> <p>- Stone along the access road south of Kent Rd. washed over the silt fence near the 1st set of mats 8/3/06.</p>	<p>area washes out regularly 7/19-8/3/06</p> <p>- Restore and reinforce the controls here. 7/19-8/3/06- Restore the adjacent area with vegetation to reduce potential run-off, even if it is temporarily. 6/7-8/3/06</p> <p>-Continue to maintain and sweep the street when necessary. Improve pad if needed. 7/19-8/3/06</p> <p>-Continue to monitor and maintain as needed. 8/3/06</p> <p>- Repair silt fence each night and as soon as work is complete. 8/3/06</p> <p>- The silt fence is well in place but continue to monitor as it will wash down more easily this way. 8/3/06</p> <p>-Continue to repair and reinforce controls. These areas will be difficult to control during heavy rain due to the drainage patterns. 7/12-8/3/06</p>	<p>- Needs attention</p> <p>- N/A at this time</p> <p>- N/A at this time</p> <p>- Needs attention as soon as access is complete</p> <p>- N/A at this time</p> <p>- Needs attention</p>
<p>Inland Wetland and Watercourse encroachment and mitigation Composite</p>	<p>-The D&M plan approved stone on geotextile fabric at the wetland crossings have worked fairly well. 4/6-8/3/06.</p>	<p>- As the access is considered temporary, the stone will be removed when final work ends so the wetlands can be restored. 1/26-8/3/06.</p>	<p>-N/A until the end of work.</p>

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	Rd section on 6/14/06.	well. 6/14-8/3/06.	
Vegetative clearing limits (including trees to save or danger trees noted)	- Adjacent homeowners near Gallows Hill mentioned damage to mountain laurel and other shrubs. 3/2-8/3/06.	-In general, take care in retaining shrubs and use mats to access or skid out trees from wetlands. 2/22-8/3/06. -Replace shrubs where necessary. 8/3/06.	-Needs attention when feasible
Composite	- A significant amount of chips were blown off the ROW into the upland and also along the wetland edge at the 3 rd structure off Gallows Hill. These areas are off property. 2/22-8/3/06. -This was also noted several structures past Archers Lane. 3/15-8/3/06.	- Chips currently off ROW boundaries should be removed carefully to comply with the D&M plan. 2/22-7/26/06. Chips on ROW should be spread to a depth of 3". 4/6-8/3/06.	- Still needs attention CL&P is looking into this.
345kV H-Frame	-Clearing was not actively occurring along the ROW past Archers Lane but may occur soon. 8/3/06.	- To avoid wetland damage, trees here will be sheared from the access road and felled out of the water. 3/15-8/3/06	- CL&P proposed the work under these specs.
	- Clearing of danger trees was complete in the Chestnut Ridge section. and was finishing up in the Bethel Res. section 8/3/06	-Continue to monitor. 7/19/06	-N/A at this time
Norwalk Section	- Clearing was occurring south of Arrowhead Rd, coming in from the other end of the pond in preparation for wire pulling. Some additional clearing/ log removal efforts remain 8/3/06.	- Be extremely careful to retain shrubs and vegetation where feasible. 5/25-8/3/06.	-N/A
Dewatering	- No obvious dewatering efforts were noted at the time of inspection. 8/3/06.	- Release water to the ground only in well vegetated areas if it will not reach any resource areas. (Make sure to check downgradient for	-N/A at this time

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		these areas) Otherwise use a filter bag or adequate containment. 3/9-8/3/06.	
Blasting	-No blasting has been necessary at this time on the ROW. 8/3/06.	-None at this time. 8/3/06.	-N/A
Spills and Material Storage	-Although a spill was not observed, a spill response kit was noted near pole #11062. 8/3/06. - In general, equipment should be parked over 100 ft from resource areas or as far as feasible. 8/3/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site - Keep adequately size fuel kits for worst-case scenarios. - Report spills immediately, even if they are being controlled. - Avoid refueling in the areas near the wetlands. Use proper storage for all materials.	-The response kit was on hand and there was no sign of affected soil
Additional Observations			

Next likely scheduled inspection:

Thursday August 10, 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, David Stowe



(Composite Section): Photo on the left shows the wetland crossing off Gallows Hill Rd. Wetland water levels are at seasonal low flow. Photo on the right shows crews clipping in wire along the Archers Lane ROW. 8/3/06



(345kV H-Frame): Photo on the left shows crews continuing to clear danger trees along the Bethel Reservoir section. Photo on the right shows some silt fence down upgradient of the wetland between poles #10-11. 8/3/06.



Photo on the left shows the wires clipped in at structure #2. Photo on the right shows silt fence coming down at the wetland edge off Lime Kiln Rd. 8/3/06



Photo on the left shows a view of the erosion continuing in the access road near structure #31 despite the haybales. (Norwalk Section): Photo on the right shows a view of the ROW moving south from Arrowhead Rd. Crews were preparing for brining in wire pulling equipment. 8/3/06.



(Norwalk Section): Photo on the left shows grading work near structure #51. Silt fence will have to be repaired due to the adjacent wetland. Photo on the right shows a view along the ROW north of Kent Rd with structures in place. 8/3/06.



Photo on the left shows where stone from the access road has encroached on the silt fence and needs to be pulled back along the ROW south of Kent Rd. Photo on the right shows where a spill response kit was noted in this section. 8/3/06



Photo on the left shows a view of the ROW south of Kent Rd with structures in place. Photo on the right shows some recently poured foundations in the North Seir Hill Rd section. 8/3/06



Photo on the left silt fence down near structure #11078, located north of Broad St. Repairs should be made. Photo on the right shows rope/wire pulling equipment in place just north of Norwalk Substation in the ROW. 8/3/06