

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: June 14, 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 0.47-0.69" of rain was recorded over 6/9-6/10 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways Composite	<p>- The Composite ROW work is accessible from Gallows Hill Rd by an existing trail path with a swing gate, an approved access path in from the east of the ROW, an access road passing through the Archers Lane substation, and an area cleared from the station to the ROW. 6/14/06.</p> <p>- 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. 3/2-6/14/06.</p> <p>- One spot along the access road past Archers Lane has stone dust from the road overtopping the silt fence adjacent to the wetland. A second spot is also piling up. 6/7-6/14/06.</p>	<p>- 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. 12/8-6/14/06.</p> <p>-See vegetative clearing section for details and recommendations. 6/14/06.</p> <p>- Repairs should be made either by transition station or overhead crews. Stone/sediment needs to be removed. 6/1-6/14/06.</p> <p>- An additional haybale was installed but is not enough. 6/14/06</p> <p>-Continue to monitor the</p>	<p>-N/A until evaluation at the end of work.</p> <p>- Still needs attention</p> <p>-Needs attention- also see transition station report.</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
345kV H-Frame	<ul style="list-style-type: none"> - Other work areas are accessed from Hoyts Hill, Chestnut Ridge Rd, the Bethel Res. water plant road, Lime Kiln Rd, Whortleberry Rd, John Todd Way and Costa Lane. 3/29-6/7/06. - Washouts were noted within the wood chips in the access road between poles #5-6. 6/7-6/14/06 - The erosive washout remains within the stone dust at structure #2 but silt fence was repaired and haybales installed. 6/14/06 - The low spot at the access road near structure #6 has haybales installed as recommended. 6/14/06 - A washout noted last week near the Bethel water building had haybales in place 6/14/06 - Adjacent landowners continue to report non-project related vehicles driving through the wetland between poles #10-11. 6/14/06 	<ul style="list-style-type: none"> conditions of all access roads. If muddy conditions re-occur, place more wood chips or consider installing silt fence as needed. 6/7/06. - The wood chips will be back bladed to restore the washouts 6/7-6/14/06 - Continue to maintain controls. No wetlands are immediately adjacent but smooth out ruts if feasible. 6/14/06 - Continue to monitor. 6/14/06 - Continue to monitor for stability. 6/14/06 - See erosion control section for more details Consider installing silt fence in an attempt to discourage this. 6/14/06 - Controls are in place. 6/14/06. - See erosion control section for several recommendations. 6/7-6/14/06 	<ul style="list-style-type: none"> - N/A at this time - Needs attention when feasible. -Controls were repaired and reinforced. -Haybales were installed - Haybales were installed - Needs attention (although the further damage is not project related) - N/A at this time - N/A
Norwalk Section	<ul style="list-style-type: none"> - Stone dust and/or gravel access roads are in place at Perry Ave and Broad St. 4/6-6/14/06. -Access is gained to new work areas off North Seir Hill Rd. Dust access roads were also completed off Kent Rd. in both directions and up to the pond in the north. 		

Areas of Inspection	Observation	Recommended Action	Corrective Action
	<p>5/25-6/14/06</p> <p>-Several wetlands are matted here and most have silt fence installed at the corners. A few areas now need maintenance where stone and sediment overtopped the fence. 6/14/06</p>	<p>- Repairs are needed in a few spots in the silt fence in the section south of Kent Rd. 6/7-6/14/06.</p>	<p>- Most matted crossings have controls but maintenance is needed in several locations</p>
<p>Line Construction Composite</p> <p>345kV H-Frame</p> <p>Norwalk Section</p>	<p>- The upper wire had been installed in the structures leading into Archers Lane. 5/25-6/14/06.</p> <p>- No active work was noted in this section at the time. 6/14/06.</p> <p>- Equipment was parked off John Todd Way in preparation to pull wire. 6/14/06</p> <p>- Old towers remain down in the area of Perry Ave and Kent Rd and will be removed eventually. Towers near the Rt7 extension and North Seir Hill are also being pulled down. 6/14/06.</p> <p>- All foundations that could be accessed by North Seir Hill Rd have been poured. 6/7-6/14/06</p> <p>- Foundation pouring was noted off Kent Rd. to the south. 6/14/06</p>	<p>- None at this time. 5/25-6/14/06.</p> <p>- None at this time. 6/14/06.</p> <p>- None at this time 6/14/06</p> <p>-None at this time. 6/14/06.</p> <p>- See erosion controls section for more information. 6/14/06.</p> <p>- See erosion controls section for more information. 6/14/06</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>
Erosion and Sediment Controls	<p>- Water levels appear to remain below problem levels at the 2nd wetland crossing along the Archers Lane access road. 2/16-6/14/06.</p>	<p>- None at this time. 6/14/06.</p>	<p>-N/A</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
Composite Erosion controls continued 345kV H-Frame Chestnut Ridge Section Bethel Reservoir Section to Chestnut Ridge Rd.	<ul style="list-style-type: none"> - Silt fence is being overtopped and/or sediment is piling from run-off on the access road past Archers Lane. 6/1-6/14/06 - Wood chips had been blown into the uplands and wetland area at the third structure in from Gallows Hill Road. 2/22-6/14/06. Another area with deep wood chips off the cleared ROW remains past Archers Lane. 3/15-6/14/06. - An old stockpile was noted at a structure before Rt 53 off Gallows Hill. 5/17-6/14/06 - Disturbed soil remains adjacent to structure #34 off Gallows Hill and this was overtopping the haybales. 6/14/06 	<ul style="list-style-type: none"> -The overtopped area should be repaired with stone pulled back and removed from the wetland. Continue to monitor the second spot. 6/1-6/14/06 -Make sure chips stay on the ROW. Contractors should remove the off ROW chips since this is not allowed in the D&M plan. 2/22-6/14/06. - Wood chips on the ROW can remain at a depth of 3". Deeper piles should be spread out. 4/6-6/14/06. -Make sure that restoration occurs in previously disturbed areas and that materials are removed and not forgotten in place. 5/17-6/14/06 - The soil should be pulled back and the area vegetated- even if it is temporarily. 6/14/06 	<ul style="list-style-type: none"> - Needs attention from either transition station or overhead crews -Still needs attention (CL&P is looking into a solution here) - Needs attention when feasible - Needs attention when feasible.
	<ul style="list-style-type: none"> - Erosion remains in the stone dust near pole #2 but silt fence was repaired and reinforced with haybales. 6/14/06 -The majority of the pile at structure#6 has been removed but soil remains encroaching on wetlands 4/12-6/14/06. - Haybales were placed in the low spot at the access road near structure #6. 6/14/06 	<ul style="list-style-type: none"> - Continue to monitor; wetlands are not immediately adjacent but repair ruts if feasible. 6/14/06 - Remove the soil here as soon as conditions can support this without further impact. 2/22-6/14/06. - Continue to monitor. 6/14/06 	<ul style="list-style-type: none"> - Controls were restored and reinforced - Needs attention when feasible - Haybales were placed

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<p>Costa Lane, Whortleberry, Lime Kiln and John Todd Way</p> <p>Norwalk Section</p> <p>Kent Rd. (North – new ROW section)</p>	<p>-Silt fence was repaired near structure #19. 6/14/06.</p>	<p>- Continue to monitor. 6/14/06.</p>	<p>-Silt fence was repaired</p>
	<p>- Non project related vehicles were still reported in the stream & wetland between poles #10-11. Ruts and disturbance worsened. 6/14/06</p>	<p>- The ruts in the stream or wetland should be smoothed out and silt fence should be placed across the ROW to prevent sedimentation and help discourage access. 5/17-6/14/06</p>	<p>- Needs attention (even though the majority of the damage is not project related.)</p>
	<p>- Silt fence was repaired at poles #24 and 25 and sediment was pulled back carefully from the wetland. 6/14/06.</p>	<p>-Continue to monitor. 6/14/06.</p>	<p>- Silt fence was repaired</p>
	<p>- A contractor (unrelated to the project) remains in this area filling near the wetland for a driveway. Silt fence was not installed near the work. 6/7/06-6/14/06</p>	<p>- This is not project related but should be noted for the record in case there are issues here later. 6/7-6/14/06</p>	<p>- Not project jurisdictional</p>
	<p>-The area of silt fence near pole #11078 had sediment piled up against it again. 6/7-6/14/06.</p>	<p>-Controls need repair and sediment should be pulled back. 6/7-6/14/06</p>	<p>-Needs attention</p>
	<p>- The foundation near the Norwalk substation has good silt fence coverage. 5/17-6/14/06. Bare, exposed soil remains adjacent to the foundation. 6/7-6/14/06</p>	<p>-Continue to monitor due to proximity of the river. Restore the adjacent area with vegetation to reduce potential run-off, even if it is temporarily. 6/7-6/14/06</p>	<p>- Needs attention if feasible</p>
	<p>- Mats were installed at foundation #68 on North Seir Hill Rd. due to wet conditions. 6/1-6/14/06</p>	<p>-Install silt fence downgradient of the mats if necessary. 6/1-6/14/06.</p>	<p>-Needs attention if feasible.</p>
	<p>- The stream/wetland crossing in the Kent Rd, new ROW section, had corner controls installed.</p>	<p>-Continue to monitor to prevent runoff from the access road. 6/14/06.</p>	<p>- N/A</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
Kent Rd. (South)	<p>-Although water in the stream was not turbid during the recent heavy rain, portions of the banks need silt fence due to lack of vegetation 6/7-6/14/06</p> <p>- The swale leading into a wetland area in this section has good silt fence installed. 6/7-6/14/06</p> <p>- Mats were in place at the pooled wetland crossing as well. Water here remains clear without obvious turbidity. 6/7-6/14/06</p> <p>-Silt fence was installed along the pond. The pond was not receiving any turbid run-off, even during heavy rains but a few spots in the silt fence may come un-toed. 6/7-6/14/06</p> <p>-Slightly turbid run-off was noted leaving the ROW at Kent Rd during the rain event on 6/7/06</p> <p>- Mats are installed along much of the ROW south of Kent Rd. During the heavy rains, sediment and stone overtopped the silt fence in several locations here 6/7-6/14/06</p>	<p>-Extend the silt fence along both banks of the stream to prevent run-off from the recently cleared areas. 6/7-6/14/06</p> <p>- Erosion controls were well installed and should be maintained. 6/7-6/14/06</p> <p>- Continue to monitor. Watch silt fence for any areas that need to be toed back in. 6/7-6/14/06</p> <p>- Monitor silt fence carefully and restore all spots beginning to come un-toed. 6/7-6/14/06</p> <p>-Stone could be added at the access to Kent Rd to prevent and filter run-off if not already done. 6/7-6/14/06</p> <p>- Pull silt fence up and repair. These areas will be difficult to control during heavy rain due to a steep grade and a number of spots with channelized flow. Pull stone/sediment back from wetland where necessary. 6/7-6/14/06</p>	<p>- Needs attention</p> <p>-Mats were used to prevent ruts.</p> <p>-N/A</p> <p>- N/A at the time</p> <p>- Needs attention if feasible</p> <p>- Needs attention</p>
Inland Wetland and Watercourse encroachment and	<p>-The D&M plan approved stone on geotextile fabric at the wetland crossings have</p>	<p>- As the access is considered temporary, the stone will be removed when final work ends so</p>	<p>-N/A until evaluated at the end of work.</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
mitigation	worked well. 4/6-6/14/06.	the wetlands can be restored. 1/26-6/14/06.	
Composite	- Direct damage was noted in the wetland at the 3 rd crossing as a result of equipment slipping. 2/16-6/14/06.	- The damage to the 3 rd wetland should be repaired if feasible but it may be more damaging to go in at this time. 5/4-6/14/06.	-N/A
345kV H-Frame	- At structure #6, most of the mud was removed from the wetland and they will continue to do so. 4/6-6/14/06.	- Continue to remove entire pile. 2/16-6/14/06.	-Needs attention when feasible.
	- Non project related vehicles continue to be noted in the wetland between #10-11. 6/7-6/14/06	- Ruts should be smoothed out and silt fence added in an attempt to discourage access. 5/25-6/14/06	-Needs attention (the majority of disturbance is from non project related vehicles)
Norwalk Section	-The pond, stream, and pooled area in the new ROW section off Kent Rd are fairly well protected by controls but silt fence should be extended at the stream. 6/14/06.	-Carefully remove some of the branches and debris noted in the stream and extend silt fence where recommended. 6/7-6/14/06.	-Needs attention see erosion control section
All Sections	- Many washout issues were repaired. A few spots of overtopped silt fence remain along Kent Rd (south). 6/14/06	- Remove sediment carefully from any wetland areas and pull back silt fence and repair. 6/7-6/14/06	- Many areas were repaired a few still need attention.
	- Use caution in clearing trees from wetland areas. Avoid creating ruts when skidding them out. 3/29-6/14/06.	- Retain shrubs and low growth as much as possible, especially at stream buffers. 3/2-6/14/06.	- Several wetland areas in the new section had retained shrubs.
	-If a wetland is being used as amphibian breeding habitat, retaining some wood debris at its boundaries may be beneficial. 3/2-6/14/06.	-Carefully remove brush piles and trees from near wetland areas. 3/2-6/14/06. - Watch this near the pooled area on the new ROW section	-N/A

Areas of Inspection	Observation	Recommended Action	Corrective Action
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - The composite portion of overhead work includes state-listed turtle habitat area. 9/15-6/14/06. -An Eastern box turtle was noted crossing the access road near structure #7 in the Chestnut Ridge Rd section. 6/14/06. 	<ul style="list-style-type: none"> - Now that weather is warmer, daily walkthroughs should be occurring prior to any work in the area. 4/6-6/14/06. - Perform walkthroughs in this new section as well. 6/14/06 	<ul style="list-style-type: none"> -N/A at this time -N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - Adjacent homeowners near Gallows Hill mentioned damage to mountain laurel and other shrubs. 3/2-6/14/06. 	<ul style="list-style-type: none"> -In general, take care in retaining shrubs and use mats to access or skid out trees from wetlands. 2/22-6/14/06. -Replace shrubs where necessary. 6/14/06 	<ul style="list-style-type: none"> -Needs attention when feasible
Composite	<ul style="list-style-type: none"> - A significant amount of chips were blown off the ROW into the upland and also along the wetland edge at the 3rd structure off Gallows Hill. These areas are off property. 2/22-6/14/06. -This was also noted several structures past Archers Lane. 3/15-6/14/06. 	<ul style="list-style-type: none"> - Chips currently off ROW boundaries should be removed carefully to comply with the D&M plan. 2/22-6/14/06. Chips on ROW should be spread to a depth of 3". 4/6-6/14/06. 	<ul style="list-style-type: none"> - Still needs attention CL&P is looking into this.
Norwalk Section	<ul style="list-style-type: none"> -Clearing was not actively occurring along the ROW past Archers Lane. 6/14/06. -Two cleared corridors are present into Norwalk Junction. It appears that efforts to retain shrubs, especially in wetland areas could have been improved here 5/10-6/14/06. - Clearing of new ROW continues in the Kent Rd. section and is coming in from the other end of the pond. 6/14/06 	<ul style="list-style-type: none"> - To avoid wetland damage, trees here will be sheared from the access road and felled out of the water. 3/15-6/14/06 -The area was largely clearcut when the D&M plan states low growing shrubs can remain. 5/10-6/14/06 - Herbaceous wetland species are growing back fairly well 6/14/06 - Be extremely careful to retain shrubs and vegetation where feasible. 5/25-6/14/06 	<ul style="list-style-type: none"> - CL&P proposed the work under these specs. -N/A - Several areas near wetlands did have vines and shrubs in place.

Areas of Inspection	Observation	Recommended Action	Corrective Action
	- Efforts were made to retain stumps and shrubs along the bank of the pond, stream and pooled area. 6/7-6/14/06	- Some downed branches were noted in the stream that could be carefully removed. 6/7-6/14/06	
Dewatering	- No obvious dewatering efforts were noted at the time of inspection. 6/14/06. - If this is needed by foundation #68, make sure controls are installed due to the proximity of wetlands. 6/14/06	- Release water to the ground only in well vegetated areas if it will not reach any resource areas. (Make sure to check downgradient for these areas) Otherwise use a filter bag or adequate containment. 3/9-6/14/06.	-N/A at this time
Blasting	-No blasting has been necessary at this time on the ROW. 6/14/06.	-None at this time. 6/14/06.	-N/A
Spills and Material Storage	-None of the parked or active equipment was leaking at the time of inspection. 3/15-6/14/06. - The contractor unrelated to the project at John Todd Way was storing a re-fueling tank adjacent to the wetland 6/14/06	- 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.	-N/A - Not jurisdictional to the project
Additional Observations			

Next likely scheduled inspection:

Tuesday June 20, 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 the disturbed area remaining around structure #34 off Gallows Hill. Sediment is beginning to overtop the silt fence again. Photo on the right shows the spot along the Archers Lane ROW where the access road stone overtopped the fence. A new haybale was placed here but stone needs to be pulled back. 6/14/06



(345kV H-Frame): Photo on the left shows a view of the wetland between structures #10 and #11. Adjacent landowners have reported vehicles here which are not project related. Some silt fence across the access road may help to prevent this. Photo on the right shows haybales installed along the Bethel Reservoir access road. 6/14/06.



Photo on the left shows the crossing near structure #19 where silt fence was repaired. Photo on the right shows an eastern box turtle walking within the ROW off Chestnut Ridge Rd. 6/14/06.



Photo on the left shows the erosion near structure #2. Silt fence was repaired and haybales were placed to reinforce the area. Photo on the right shows where the silt fence was repaired near structure #24. Sediment was also pulled back from the wetland. 6/14/06.



Photo on the left shows the machinery on site to pull wire in the area of John Todd Way. Photo on the right shows the separate contractor (unrelated to the project) placing fill for a driveway in the same area. This contractor is not using erosion controls. 6/14/06.



(Norwalk Section, Kent Rd): Photo on the left shows the clearing in the vicinity of the pond in the new section of ROW to the north. Photo on the right shows a view along the access road in this section. 6/14/06



Photo shows where a structure foundation had recently been poured in the ROW section to the south of Kent Rd. 6/14/06



Photo on the left shows where silt fence was overtopped by stone and sediment along a wetland crossing at Kent Rd (south) as a result of the recent rains. The controls here should be repaired.



Photo on the left shows preparation to pull down old towers off North Seir Hill Rd. 6/14/06



Photo on the left shows where old towers are down off Perry Ave. These will eventually be removed. Photo on the left shows silt fence to the north of Broad St at the end of the access road which should be maintained. 6/14/06



Photo on the left shows the structure near Norwalk Substation. Erosion controls remain in place but the area should be re-vegetated for further stability soon, even if it is only temporarily until the pole is accessed. 6/14/06