

**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:** May 4, 2006

**Inspector:** Diana Walden, Lee Curtis, Ann Schwenzer

**Location:** Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

**Storm/**

**Rain Event:** Between 0.9-0.56" of rain was recorded over 5/2-5/3 as reported by NOAA and based on location.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- <b>Hoyts Hill:</b> Access is gained off Hoyts Hill Road. Sediment tracking was not observed on the roadway. 5/4/06.	-None at this time. Active work has returned but the area remains well contained. 5/4/06.	-N/A.
	- <b>Archers Lane:</b> Water levels at the wetland crossings on the access road to the ROW remain below problem levels. 5/4/06.	-Crossings and controls are in good shape with the exception of attention needed near the 1 <sup>st</sup> wetland. See other sections 5/4/06.	-Needs attention
	-Slopes remain disturbed along the access road where 345kV trenching occurred. 4/26-5/4/06	-The area should be restored if vault access and work here is complete. 5/4/06	- Needs attention
	- Minor sedimentation is also noted through the stone wall from the access drive. 5/4/06	- Silt fence is down here. Minor amounts of silt are filtering through. Continue to monitor 5/4/06	- N/A at this time
	- <b>Norwalk Junction:</b> Sediment tracking did not appear to be an issue at this time. The swale has been repaired. 2/16-5/4/06.	-Continue to monitor Rt. 7 at the main access pad. 5/4/06. - See erosion control section for more details on the swale repair 5/4/06.	-N/A

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Foundation construction	<p>- At <b>Hoyts Hill</b>: A small area of 345kV XLPE excavation remains at the base of the slope. 5/4/06.</p> <p>- Contractors were excavating along the retaining wall for installing grounding grids. 5/4/06</p> <p>- Active work was occurring on the pad as structures were being installed. A small building was also in place. 5/4/06</p> <p>-At <b>Archers Lane</b>, foundation work continues within the station pad. 3/29-5/4/06</p> <p>-At <b>Norwalk Junction</b>: Work continues on the structures in the station pad including several large excavations. 3/15-5/4/06.</p>	<p>-Work will return eventually to continue the trench into Rt.58 5/4/06.</p> <p>- Small stockpiles resulted but were well contained. See erosion control section. 5/4/06</p> <p>- None at this time. The area is contained. 5/4/06</p> <p>-None at this time. The area is contained. 5/4/06</p> <p>- None at this time, the area is well contained. See erosion control section for more information. 5/4/06.</p>	<p>-N/A</p> <p>- N/A.</p> <p>-N/A</p> <p>-N/A</p> <p>- N/A</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Erosion and Sediment Controls	<p><b>-Hoyts Hill:</b> The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-5/4/06.</p> <p>- The EC blankets along the northern slope were disturbed in one location due to the grounding work. 5/4/06.</p> <p>-The southern gully and less severe erosion along the face of the southern silt fence still needs attention. 1/26-5/4/06.</p> <p>- <b>Archers Lane:</b> Sediment removal efforts are still needed at the 1<sup>st</sup> wetland as accumulation increased with recent rains. 4/26-5/4/06.</p>	<p>-Monitor and maintain the fence as necessary. 4/6-5/4/06</p> <p>- The EC mats will be repaired when work is complete. The resulting stockpiles are contained. 5/4/06</p> <p>-Plan to repair/stabilize the southern slope as well and potentially extend the outlet. 1/26-5/4/06.</p> <p>-Any easily accessible deposits of sediment need to be removed. Fine layers of silt can remain. Controls also need to be cleaned up. 4/6-5/4/06</p>	<p>- N/A</p> <p>- Needs attention- Contractors will repair the mats.</p> <p>- Still needs attention</p> <p>- Still needs attention</p>
Erosion and Sediment Controls	<p>-Minor sedimentation was noted through the stone wall on the access drive.</p>	<p>- Consider repairing silt fence but sediment amounts are very minor.</p>	<p>- Needs attention if feasible</p>
Erosion and Sediment Controls continued	<p>Silt fence was down here. 5/4/06</p> <p>-Restoration efforts will be necessary along the disturbed slopes of the access road. 4/26-5/4/06</p> <p>- Silt fence was also working well along the ROW access road, keeping sediment and run-off from the wetland. 5/4/06</p>	<p>5/4/06</p> <p>- AL contractors will likely need to perform restoration if work is complete here. 5/4/06</p> <p>- Monitor silt fence here. Determine if more coverage is necessary due to the adjacent clearing. 5/4/06</p>	<p>- Needs attention</p> <p>- N/A at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	<p>- <b>Norwalk Junction:</b> The recent Norwalk River flood scattered the haybales along the perimeter fence 4/26-5/4/06.</p> <p>- The perimeter silt fence was completely restored following the flooding. 5/4/06.</p>	<p>- The haybales should be repaired as an additional control but are not as essential as having the silt fence in place 4/26-5/4/06.</p> <p>- None at this time. Continue to monitor. 5/4/06.</p>	<p>-Needs attention if feasible</p> <p>- Silt fence was restored</p>
	<p>-The old culvert near the silt fence and the river was observed. It was partially buried. 5/4/06.</p> <p>-The wetland area outside the silt fence adjacent to the river contained pooled turbid water. 4/26-5/4/06.</p> <p>- The washouts along the slope of the swale were repaired by extending the erosion control mat. 5/4/06.</p> <p>-Dewatering outfalls appeared to be clear at the time. 5/4/06</p>	<p>- The culvert connection should be cut completely if feasible or continue to bury it. 5/4/06.</p> <p>- This area receives direct runoff from the site through the swale making water quality important. 1/19-5/4/06</p> <p>-None at this time. Continue to monitor. 5/4/06.</p> <p>-None at this time. Continue to monitor. 5/4/06.</p>	<p>- The culvert was partially buried. Still needs attention</p> <p>- N/A</p> <p>- EC mat was extended and the washouts repaired.</p> <p>- Controls were filtering water well.</p>
	<p>- Additional silt fence was also noted at the base of a stockpile internal to the site. 5/4/06</p>	<p>- None at this time. 5/4/06</p>	<p>- Silt fence was installed proactively</p>
<p>Inland Wetland and Watercourse</p> <p>encroachment and mitigation</p>	<p>- <b>Hoyts Hill:</b> The wetland remains well protected at this time. 4/6-5/4/06.</p> <p>-<b>Archers Lane:</b> Watch run-off velocity down the completed slopes and walls. Efforts need to continue removing deposited sediment from the 1<sup>st</sup> wetland crossing. 2/16-5/4/06.</p> <p>- <b>Norwalk Junction:</b> The outlet of the drainage</p>	<p>-Continue to monitor this area until slopes have stabilized completely . 5/4/06.</p> <p>- Continue to remove the sediment from the wetland where there are significant buildups. Several inches of sediment were noted. 2/16-5/4/06.</p> <p>-See Erosion Control</p>	<p>- N/A.</p> <p>- Still needs attention</p> <p>-N/A at this time</p>

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	swale is at the headwall of the wetland area. Turbid water is present here in the wetlands but has not had a significant impact on the river. 12/30-5/4/06.	Section for more details. Reduce turbidity by controlling its source-disturbed surfaces on site. 12/30-5/4/06.	
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p><b>-Hoyts Hill:</b> The southern slope still needs to be revegetated as necessary. Grass growth was occurring along the restored northern slope. 4/26-5/4/06.</p> <p><b>- Archers Lane:</b> no additional clearing was noted here. 5/4/06.</p> <p><b>- Norwalk Junction:</b> -No additional clearing was noted at the time. Grass growth was occurring near the swale and adjacent area near Rt. 7. 5/4/06.</p>	<p>- Repairs to washouts on the south side will be needed. Determine whether additional seed will be necessary. 4/12-5/4/06.</p> <p>-None at this time. 5/4/06.</p> <p>- Continue to monitor and restore where feasible. 5/4/06.</p>	<p>-N/A</p> <p>-N/A.</p> <p>-N/A</p>
<p>Dewatering</p> <p><b>Hoyts Hill</b></p> <p><b>Archers Lane</b></p> <p><b>Norwalk Junction</b></p>	<p>-Dewatering was no longer noted here. Controls are still well in place. 4/6-5/4/06.</p> <p>- Dewatering was not necessary at the time for the excavation. Haybales remain installed across the swale. 4/6-5/4/06</p> <p>-Dewatering was still occurring to some degree but outflows were clear and additional controls were in place. 5/4/06.</p>	<p>-None at this time. See erosion control section. 5/4/06.</p> <p>- None at this time. 5/4/06.</p> <p>-Continue to monitor and add controls as needed. 5/4/06.</p>	<p>-N/A</p> <p>-N/A</p> <p>-N/A</p> <p>- Dewatering was being handled well</p>
Blasting	- All blasting is complete at this time. 5/4/06	- None at this time.	-N/A
	- Soil remains at the	- None at this time	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Soils	Archers Lane site from excavations but it is well contained. 5/4/06  - A number of soil stockpiles remain at Norwalk Junction as excavation continues. Large stockpiles have silt fence installed at the base. 5/4/06.	5/4/06.  - Stockpiles remain contained. See erosion control section. 5/4/06.	-N/A
Spills and Material Storage	-No spills or leaks were noted at the time of inspection. 5/4/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site - Report spills immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.	-N/A at this time
Additional Observations	- The overhead line was installed between Norwalk Junction and the structure off Arrowhead Rd.		

**Next likely scheduled inspection:** Wednesday May 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



**Hoyts Hill Transition Station: Photo on the left shows the transition station pad where active work had returned to set structures. Photo on the right shows where grounding work disturbed the EC blanket on the slope. Contractors will restore the mat when work is complete. 5/4/06**



**Photo on the left shows the grounding work along the retaining wall. Erosion controls along the wetland are still in good shape. Photo on the right shows the southern slope where restoration of the erosive gullies is still necessary. 5/4/06.**



Archers Lane: Photo on the left shows a view of the station from the ROW with the adjacent structure in place. Photo on the right shows an overall view of the station pad. 5/4/06.



Both photos show the 1<sup>st</sup> wetland crossing near the station where sediment has continued to acculate. Sediment should be removed carefully by hand where obvious deposits have built up and controls should be cleaned out and improved as seen in the photo on the right. 5/4/06.



**Norwalk Junction:** Photo on the left shows the recently restored slope of the swale. EC matting was extended as recommended. Photo on the right shows where haybales had been disturbed by the flooding but the outer perimeter fence has been repaired. 5/4/06.



Photo on the left shows where additional silt fence was installed the base of a stockpile internal to the site. The outer silt fence is also in place. Photo on the right shows grass growth beginning at the swale and adjacent area near Rt. 7. 5/4/06.