

**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 5, 2006

**Inspector:** Diana Walden

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

**Storm/**

**Rain Event:** Between 0.41-1.14" of rain was recorded over 7/4-7/5 as reported by NOAA and depending 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. Run-off from the roadway is channeling down the driveway and into a gully leading to the pad. 6/7-7/5/06.	-The gully will be filled in but run-off from the road will be difficult to control until the area is paved. 6/28-7/5/06.	-Needs attention.
	-A small swale was noted in the traprock at the base of the embankment to channel slope run-off to the catch basin. 6/28-7/5/06	- Continue to monitor the area. 6/28-7/5/06	- A small swale was noted.
	-Timber mats were in place off Rt 58 for access and wire pulling. 6/28-7/5/06	- None at this time. 6/28-7/5/06	-N/A
	- <b>Archers Lane:</b> Water levels at the wetland crossings on the access road to the ROW are high but remain below problem levels. 7/5/06.	-Crossings are in good shape but several areas need some maintenance. See the EC section. 6/28-7/5/06.	-Repairs may be under ROW jurisdiction.
	- The silt fence along the access road washed out in one obvious spot and sediment had reached the wetland. 7/5/06	- The fence should be repaired and reinforced-see erosion control section. 7/5/06	- Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	<p>-Slopes remain disturbed along the access road where 345kV trenching occurred. 4/26-7/5/06</p> <p>- The silt fence near the stone wall was also washed over at one spot as run-off water pooled up in the access road. 7/5/06</p> <p>- <b>Norwalk Junction:</b> Sediment tracking did not appear to be an issue at this time. 5/25-7/5/06.</p>	<p>-The area should be restored after vault access and work here is complete. 5/4-7/5/06</p> <p>- Place haybales in this spot for additional filtration and control. 6/14-7/5/06</p> <p>-Continue to monitor Rt. 7 at the main access pad. Silt fence remains at the 345kV stockpiles. 7/5/06.</p>	<p>- Needs attention when work is complete</p> <p>- Needs attention</p> <p>-N/A</p>
Foundation construction	<p>- At <b>Hoyts Hill:</b> Wire pulling machinery remains on timber mats in the wetland at Rt 58. 7/5/06.</p> <p>-At <b>Archers Lane,</b> Work will continue on scaffolding, foundations and structures. 7/5/06</p> <p>- Wire pulling through the structure here appeared to be complete 7/5/06</p> <p>-At <b>Norwalk Junction:</b> Work continues on the forms, foundations, and structure installations in the station pad. 7/5/06.</p> <p>- The adjacent storage center built an earthen/fabric berm along the silt fence adjacent to the site. 5/25-7/5/06</p>	<p>- Continue to monitor. Restore wetland when work is complete 7/5/06.</p> <p>- None at this time. See erosion control section 6/1-7/5/06</p> <p>- None at this time. 7/5/06</p> <p>- None at this time. See erosion control section for more information. 7/5/06.</p> <p>- This is not project related/jurisdictional or covered under the permit held by NU. 5/25-7/5/06</p>	<p>-N/A at this time</p> <p>- N/A</p> <p>- N/A</p> <p>-N/A</p> <p>- N/A – not project jurisdictional</p>
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. 4/6-7/5/06.</p>	<p>-Monitor and maintain the fence as necessary. 4/6-7/5/06 Vegetation is growing very well in the adjacent wetland 7/5/06</p>	<p>- N/A</p>

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<p>Erosion and Sediment Controls continued</p>	<ul style="list-style-type: none"> <li>- The area where the filter bag was removed remains bare with some accumulated sand. 7/5/06</li> <li>-One gully in the southern slope remains along the stone pad. The rest of the repaired slope is revegetating well. 6/28-7/5/06.</li> <li>- The concrete washout at the top of slope was cleaned up on 6/28/06</li> <li>- <b>Archers Lane:</b> Silt fence along the access road at the 1<sup>st</sup> wetland had washed out at one obvious spot. Sediment has accumulated in the wetland. 7/5/06</li> <li>- The remaining fence was holding back significant amounts of pooled run-off 7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>- Plan to revegetate if this does not occur naturally soon. 7/5/06</li> <li>-The gully will be repaired and the slope reshaped to promote sheet flow. 6/28-7/5/06.</li> <li>- None at this time. 7/5/06</li> <li>-Repair fence ASAP and reinforce with haybales or wire backing. Remove sediment by hand 7/5/06</li> <li>- Continue to monitor and reinforce when necessary. It appears some sediment has seeped through. 7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>- Needs evaluation</li> <li>- Needs attention</li> <li>-The concrete was cleaned up</li> <li>- Needs attention</li> <li>-Needs monitoring</li> </ul>
	<ul style="list-style-type: none"> <li>-New and previously existing accumulated sediment is noted within this wetland. 7/5/06.</li> <li>- A spot along the silt fence on the access drive in the ROW needs repair as stone washed over and built up here adjacent to the 2<sup>nd</sup> wetland crossing. 5/17-7/5/06</li> <li>-Restoration efforts will be necessary along the disturbed slopes of the access road from Diamond Hill. 4/26-7/5/06</li> <li>- The silt fence at the base of the access road</li> </ul>	<ul style="list-style-type: none"> <li>-Any easily accessible deposits of sediment need to be removed. 7/5/06</li> <li>- Repair fence and pull back stone as needed. Another spot is filling up but not overtopped. 5/17-7/5/06</li> <li>- AL contractors will likely need to perform restoration when work is complete here. 5/4-7/5/06</li> <li>- Install haybales here for additional control if feasible. 7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>- Still needs attention.</li> <li>- Needs attention (but may be overhead jurisdiction)</li> <li>- N/A at this time.</li> <li>- Needs attention</li> </ul>

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	<p>near the stonewall also had a washout area but continued to filter the pooled run-off. 7/5/06</p> <p>- The silt fence where the process stockpile used to be, was also washed down. 7/5/06</p>	<p>- Repair silt fence and install haybales to reinforce the area. 7/5/06</p>	<p>- Needs attention if feasible</p>
<p>Erosion and Sediment Controls continued</p>	<p>- <b>Norwalk Junction:</b> Perimeter silt fence remain in good shape along the river. 5/17-7/5/06.</p> <p>-The wetland area outside the silt fence adjacent to the river contains accumulated sediment and turbid water. 6/7-7/5/06</p> <p>- All the haybales in the swale culverts are degraded. 6/28-7/5/06</p> <p>-Significant sediment accumulation was present in the swale due to dewatering. 6/7-7/5/06</p>	<p>- None at this time. Continue to monitor controls. 5/17-7/5/06.</p> <p>- The silt is contained and does not reach the river. Wetland vegetation was also noted growing here, but silt has built up at the stone outlet and should be removed by hand. 6/1-7/5/06</p> <p>-Place new haybales or additional controls at all the culverts for filtration. 6/28-7/5/06</p> <p>- Continue to improve water quality to the swale. 345kV crews will be removing sediment from portions of the swale. 6/1-7/5/06.</p>	<p>-N/A</p> <p>- Needs attention</p> <p>- Needs attention</p> <p>- Needs attention (345kV contractors will be removing some)</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- <b>Hoyts Hill:</b> The wetland remains well protected at this time. 4/6-7/5/06.</p> <p>- The area where the filter bag was should be restored. 7/5/06</p> <p>- Mats are in place for wire pulling access at the wetland off Rt 58. 6/28-7/5/06</p> <p>-<b>Archers Lane:</b> Watch run-off velocity down the completed slopes and</p>	<p>-Continue to monitor this area until slopes are stabilized completely. Vegetation is growing well 7/5/06.</p> <p>- Continue to monitor and do not access the wetland without mats. 6/28-7/5/06</p> <p>- Remove the sediment from the wetland where there are significant buildups. 6/20-7/5/06.</p>	<p>- N/A.</p> <p>-N/A</p> <p>- Needs attention</p>

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	<p>walls. Efforts are still needed to remove deposited sediment from the 1<sup>st</sup> wetland crossing. 6/28-7/5/06.</p> <p>- <b>Norwalk Junction:</b> The outlet of the drainage swale is at the headwall of the wetland area. Wetland vegetation was growing but silt has accumulated and turbid water remains 6/14-7/5/06</p>	<p>New areas were noted. 7/5/06</p> <p>- Reduce turbidity by controlling its source-disturbed surfaces and dewatering on site. The area does not seem affected but deeper sediment buildup at the outlet should be removed. 5/25-7/5/06.</p>	<p>-Needs attention when feasible</p>
<p>State species of concern, threatened and endangered species</p>	<p>- No species of concern are located in these areas of construction.</p>	<p>- N/A</p>	<p>-N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>-<b>Hoyts Hill:</b> The southern slope has increasing vegetative cover. One gully remains through the stone pad. 6/28-7/5/06.</p> <p>- <b>Archers Lane:</b> no additional clearing was noted here. 7/5/06.</p> <p>- <b>Norwalk Junction:</b> - Vegetative growth continued in the area between the silt fence and the river. 7/5/06.</p>	<p>- See erosion control section. 6/7-7/5/06.</p> <p>-None at this time. 7/5/06.</p> <p>- Continue to monitor and restore perimeter surfaces. 6/1-7/5/06.</p>	<p>-Needs attention when feasible</p> <p>-N/A</p> <p>-N/A</p>
<p>Dewatering</p> <p><b>Archers Lane</b></p> <p><b>Norwalk Junction</b></p>	<p>- Active dewatering was not noted. 7/5/06</p> <p>-Active dewatering was noted in the swale. The haybales are degraded and turbid water was reaching the wetland area. Significant sediment</p>	<p>- The silt fence appeared to be filtering the water well but showed some stress 7/5/06.</p> <p>-Replace haybales and reinforce controls. Some accumulated silt will be removed by 345kV crews. 6/28-7/5/06.</p>	<p>-N/A</p> <p>-N/A</p>

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	had built up. 7/5/06.		
Blasting	- All blasting is complete at this time. 7/5/06	- None at this time.	-N/A
Soils	- A number of soil stockpiles remain at <b>Norwalk Junction</b> as excavation continues. 5/4-7/5/06.  - The large pile at the side of the site had been moved away from the swale. 7/5/06	- Stockpiles remain contained. See erosion control section. 7/5/06. - Controls remain in place near 345kV stockpiles near the entrance to Norwalk	-N/A
Spills and Material Storage	- The concrete washout at the Hoyts Hill slope off the driveway was cleaned up on 6/28/06	- 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.	-The washout was cleaned up.
Additional Observations			

**Next likely scheduled inspection:** Wednesday July 12, 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 equipment in place for pulling wire. Photo on the right shows where the old filter bag was removed from the wetland. The area should be revegetated if this does not occur naturally in the near future. 7/5/06**



**Photo on the left shows the well restored northern slope. Photo on the right shows the southern slope which is also stabilizing. However, the one gully remains above and below the outlet pad. 7/5/06.**



Archers Lane: Photo shows a view of the area along the station yard near the river with some areas of pooled water following the recent heavy rains. 6/29/06.



Photo on the left shows where sediment from the access road washed over the silt fence along the 1<sup>st</sup> wetland crossing. The area should be reinforced with haybales or wire backing and the sediment removed by hand. Photo on the right shows the continuing work at the station yard. 7/5/06.



**Norwalk Junction: Photo on the left shows crane work occurring on site. Photo on the right shows significant sediment accumulation in the swale as a result of dewatering. 345kV crews will be cleaning this portion of the swale out but better controls are needed at each culvert. 7/5/06.**



**Photo on the left shows where some large soil stockpiles have been removed. Photo on the right shows the wetland area at the end of the swale near the river filled with pooled turbid water again. 7/5/06.**