

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 12, 2006

Inspector: Don Ukers, Ann Schwenzer

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

Storm/

Rain Event: Between 0.27-0.48" of rain was recorded on 7/6 with an additional 0.58"-0.71" on 7/12 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- Hoyts Hill: 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. 6/7-7/12/06.	-The gully will be filled in but run-off from the road will be difficult to control until the area is paved. 6/28-7/12/06.	-Needs attention when feasible
	-A small swale was noted in the traprock at the base of the embankment to channel slope run-off to the catch basin. 6/28-7/12/06	- Continue to monitor the area. 6/28-7/12/06	- N/A
	-Timber mats were in place off Rt 58 for access and wire pulling. 6/28-7/12/06	- None at this time. 6/28-7/12/06	-N/A
	- Archers Lane: Water levels at the wetland crossings on the access road to the ROW are high but appear to remain below problem levels. 7/12/06.	-The 1 st wetland crossing needs some maintenance again. See the EC section. 6/28-7/12/06.	-Needs attention.
	- The silt fence along the access road washed out in one obvious spot and sediment had reached the	- The fence should be repaired and reinforced- Sediment needs to be removed. See erosion	- Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	<p>wetland. Another area was weakened 7/5-7/12/06</p> <p>-Slopes remain disturbed along the access road where 345kV trenching occurred. 4/26-7/12/06</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. 7/5-7/12/06</p> <p>- Norwalk Junction: Sediment tracking did not appear to be an issue at this time. 5/25-7/12/06.</p>	<p>control section. 7/5-7/12/06</p> <p>-The area should be restored after vault access and work here is complete. 5/4-7/12/06</p> <p>- Place haybales in this spot for additional filtration and control. 6/14-7/12/06</p> <p>-Continue to monitor Rt. 7 at the main access pad. Silt fence remains at the 345kV stockpiles. 7/12/06.</p>	<p>- Needs attention when work is complete</p> <p>- Needs attention</p> <p>-N/A</p>
Foundation construction	<p>- At Hoyts Hill: Wire pulling machinery remains on timber mats in the wetland at Rt 58. 7/12/06.</p> <p>- Crews were splicing under tents. 7/12/06</p> <p>-At Archers Lane, Work will continue on scaffolding, foundations and structures. 7/12/06</p> <p>-At Norwalk Junction: Work continues on the forms, foundations, and structure installations in the station pad. 7/12/06.</p> <p>- Scaffolding was also observed in several locations on site. 7/12/06</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 7/12/06.</p> <p>-None at this time 7/12/06</p> <p>- None at this time. See erosion control section 6/1-7/12/06</p> <p>- None at this time. See erosion control section for more information. 7/12/06.</p> <p>- None at this time. 7/12/06</p> <p>- This is not project related/jurisdictional or covered under the permit held by NU. 5/25-7/12/06</p>	<p>-N/A at this time</p> <p>-N/A</p> <p>- N/A</p> <p>-N/A</p> <p>- N/A</p> <p>- N/A – not project jurisdictional</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
<p>Erosion and Sediment Controls</p> <p>Erosion and Sediment Controls continued</p>	<p>-Hoyts Hill: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-7/12/06.</p> <p>- The areas where the filter bags were removed remains bare with some accumulated sand. 7/5-7/12/06</p> <p>-One gully in the southern slope remains along the stone pad. The rest of the repaired slope is revegetating fairly well. 6/28-7/12/06.</p> <p>- Archers Lane: Silt fence along the access road at the 1st wetland had washed out and sediment has accumulated in the wetland. 7/5-7/12/06</p> <p>- The remaining fence had been holding back significant amounts of pooled run-off but is weakened and some sediment filtered through here as well. 7/5-7/12/06</p>	<p>-Monitor and maintain the fence as necessary. 4/6-7/12/06 Vegetation is growing very well in the adjacent wetland 7/12/06</p> <p>- Plan to revegetate if this does not occur naturally soon. 7/5-7/12/06</p> <p>-The gully will be repaired and the slope reshaped to promote sheet flow. 6/28-7/12/06.</p> <p>-Repair fence ASAP and reinforce with haybales or wire backing. Remove sediment by hand. 7/5-7/12/06</p> <p>- Reinforce the fence where necessary. Any easily accessible deposits of sediment need to be removed. 7/5-7/12/06</p>	<p>- N/A</p> <p>- Needs evaluation</p> <p>- Needs attention when feasible</p> <p>- Needs attention</p> <p>-Needs attention</p>
	<p>- 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 2nd wetland crossing. 5/17-7/12/06</p> <p>-Restoration efforts will be necessary along the disturbed slopes of the access road from Diamond Hill. 4/26-7/12/06</p>	<p>- Repair fence and pull back stone as needed. Another spot is filling up but not overtopped. 5/17-7/12/06</p> <p>- AL contractors will likely need to perform restoration when work is complete here. 5/4-7/12/06</p>	<p>- Needs attention (but may be overhead jurisdiction)</p> <p>- N/A at this time.</p>

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	<ul style="list-style-type: none"> - The silt fence at the base of the access road near the stonewall also had a washout area but continued to filter the pooled run-off. 7/5-7/12/06 - The silt fence where the process stockpile used to be was also washed down and a vehicle was parked on it. 7/12/06 	<ul style="list-style-type: none"> - Install haybales here for additional control if feasible. 7/5-7/12/06 - Repair silt fence and install haybales to reinforce the area. 7/12/06 	<ul style="list-style-type: none"> - Needs attention - Needs attention if feasible

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Erosion and Sediment Controls continued	<p>- Norwalk Junction: Perimeter silt fence remain in good shape along the river. 5/17-7/12/06.</p> <p>- The haybale line along the chain link fence is in disrepair. 7/12/06</p> <p>-The wetland area outside the silt fence adjacent to the river contains accumulated sediment and turbid water. 6/7-7/12/06</p> <p>- All the haybales in the swale culverts remain degraded. 6/28-7/12/06</p> <p>-Significant sediment accumulation was present in the swale due to dewatering. 6/7-7/12/06 The site was also very muddy at this time 7/12/06</p> <p>-Trench plates were placed over the swale for access. 7/12/06</p>	<p>- None at this time. Continue to monitor controls. 5/17-7/12/06.</p> <p>- The haybales are not needed if the silt fence remains in good shape but repairing them would provide another layer of control. 7/12/06</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. 6/1-7/12/06</p> <p>-Place new haybales or additional controls at all the culverts for filtration. 6/28-7/12/06</p> <p>- Continue to improve water quality to the swale. 345kV crews will be removing sediment from portions of the swale. 6/1-7/12/06.</p> <p>- The swale is intact at this time but if access causes any damage to the swale it should be repaired. 7/12/06</p>	<p>-N/A</p> <p>-N/A</p> <p>- Needs attention</p> <p>- Needs attention</p> <p>- Needs attention (345kV contractors will be removing some)</p> <p>- N/A at this time</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>- Hoyts Hill: The wetland remains well protected and well vegetated 7/12/06</p> <p>- The areas where the filter bags had been should be restored. 7/5-7/12/06</p> <p>- Mats are in place for</p>	<p>-Continue to monitor this area until slopes are stabilized completely. 7/12/06.</p> <p>- Restore as necessary 7/12/06</p> <p>- Continue to monitor and</p>	<p>- N/A.</p> <p>-N/A at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	<p>wire pulling access at the wetland off Rt 58. 6/28-7/12/06</p> <p>-Archers Lane: Watch run-off velocity down the completed slopes and walls. Efforts are still needed to remove deposited sediment from the 1st wetland crossing. 6/28-7/12/06.</p> <p>- Norwalk Junction: 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 6/14-7/12/06</p>	<p>do not access the wetland without mats. 6/28-7/12/06</p> <p>- Remove the sediment from the wetland where there are significant buildups. 6/20-7/12/06.</p> <p>Sediment build up had increased. 7/5-7/12/06</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. 5/25-7/12/06.</p>	<p>- Needs attention</p> <p>-Needs attention when feasible</p>
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>-Hoyts Hill: The southern slope has increasing vegetative cover. One gully remains through the stone pad. 6/28-7/12/06.</p> <p>- Archers Lane: no additional clearing was noted here. 7/12/06.</p> <p>- Norwalk Junction: - Vegetative growth continued in the area between the silt fence and the river. 7/12/06.</p>	<p>- See erosion control section. 6/7-7/12/06.</p> <p>-None at this time. 7/12/06.</p> <p>- Continue to monitor and restore perimeter surfaces. 6/1-7/12/06. The site was very muddy at this time.</p>	<p>-Needs attention when feasible</p> <p>-N/A</p> <p>-N/A</p>
Dewatering Archers Lane	- Active dewatering was not noted. 7/12/06	<p>- The silt fence along the access road that would receive this water is in good shape but other areas need repair 7/12/06.</p> <p>-Replace haybales and</p>	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Norwalk Junction	-Active dewatering was noted in the swale. The haybales are degraded and turbid water was reaching the wetland area. Significant sediment had built up. 7/5-7/12/06.	reinforce controls. Some accumulated silt will be removed by 345kV crews. 6/28-7/12/06.	-N/A
Blasting	- All blasting is complete. 7/12/06	- None at this time.	-N/A
Soils	- A number of soil stockpiles remain at Norwalk Junction as excavation continues although a few were moved 7/12/06.	- Stockpiles remain contained. See erosion control section. 7/12/06. - Controls remain in place near 345kV stockpiles near the entrance to Norwalk	-N/A
Spills and Material Storage	- No obvious spills or equipment leaks were noted at this inspection 7/12/06	- 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
Additional Observations			

Next likely scheduled inspection:

Wednesday July 19, 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, Ann Schwenzler



Hoyts Hill Transition Station: Photo shows a view of the site including the adjacent area of wetlands. Some bare areas remain where the filter bags were removed. Consider reseeding these areas for temporary vegetative cover.



Archers Lane: Photo on the left shows the area along the silt fence at the 1st wetland crossing that receives significant run-off from the access road. It appears sediment has accumulated in the wetland again and that more controls are needed here. Photo on the right shows the silt fence in the area where the old process pile had been. The fence needs maintenance as it receives run-off from the access road. 7/12/06.



Norwalk Junction: Photo on the left shows an overview of the site work and scaffolding. Photo on the right shows the old haybale line along the fence. These could be replaced as an additional control but are not necessary if the silt fence along the river remains well maintained. 7/12/06.



Both photos show views of the swales along the site. Accumulated sediment remains in several areas and should be cleaned out. Better filtration/controls are also needed at the culverts as the haybales here are degraded. 7/12/06.