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 25, 2006

Inspector: Diana Walden

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

Storm/ Rain Event: Between 0.85-0.92" of rain was recorded over 5/19-5/21 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. Sediment tracking was not observed on the roadway. 5/25/06.	-None at this time. Active work was not occurring and the area remains well contained. 5/25/06.	-N/A.
	-**Archers Lane**: Water levels at the wetland crossings on the access road to the ROW remain below problem levels. 5/25/06.	-Crossings and controls are in good shape with the exception of attention needed near the 1st wetland. See other sections 5/25/06.	-Needs attention
	-Slopes remain disturbed along the access road where 345kV trenching occurred. 4/26-5/25/06	-The area should be restored after vault access and work here is complete. 5/4-5/25/06	- Needs attention when work is complete
	- Silt fence was installed near the stone wall along the access drive where some run-off had been seeping through. 5/25/06	- None at this time. 5/25/06	- Silt fence was installed in this location.
	- **Norwalk Junction**: Sediment tracking did not appear to be an issue at this time but 345kV work had returned to the area. Crews installed some asphalt along the entrance. 5/25/06.	-Continue to monitor Rt. 7 at the main access pad. 5/25/06.	-N/A

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Foundation construction	- At **Hoyts Hill:** A small area of 345kV XLPE excavation remains at the base of the slope. 5/25/06.	-Work will return eventually to continue the trench into Rt.58 5/25/06.	-N/A
	- Active work on the pad was complete for the time and structures were in place. Stone was also spread on the surface of the pad. 5/17-5/25/06	- None at this time. See erosion control section. 5/17-5/25/06	- The surface was stabilized with stone.
	-At **Archers Lane**, structure and foundation work continues within the station pad. 3/29-5/25/06	- None at this time. The area is contained. 5/25/06	-N/A
	-345kV crews were placing spools in order to pull cable 5/25/06	- None at this time. 5/25/06	- N/A
	-At **Norwalk Junction:** Work continues on the forms, foundations, and structure installations in the station pad. 3/15-5/25/06.	- None at this time, the area is contained. See erosion control section for more information. 5/25/06.	- N/A
	- The adjacent storage center built an earthen/ fabric berm along the silt fence adjacent to the site. 5/25/06	- This is not project related/jurisdictional or covered under the permit held by NU. 5/25/06	- NU is discussing this with the landowner
Erosion and Sediment Controls	-**Hoyts Hill**: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-5/25/06.	-Monitor and maintain the fence as necessary. 4/6-5/25/06 Vegetation is growing very well in the adjacent wetland 5/25/06	- N/A
	-The northern slope was in good shape and the southern slope had been restored but there are indications the gully was returning. 5/17-5/25/06.	-Continue to monitor for stabilization along this slope. If grass cannot stabilize quickly, the outlet pad may still need to be extended. 5/25/06.	- Needs monitoring
	- **Archers Lane:** Sediment removal efforts are still needed at the 1st	-Any easily accessible deposits of sediment need to be removed. (Some are	- Still needs attention

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	wetland as accumulation increased with recent	over 6") Fine layers of silt can remain. Controls	
Erosion and Sediment Controls continued	rains. 4/26-5/25/06.	also need to be cleaned up. 4/6-5/25/06	
	- Another small spot along the silt fence on the access drive to the ROW needs repair as sediment washed over and built up here. 5/17-5/25/06	- Repair fence and pull back sediment as needed. 5/17-5/25/06	- Needs attention when feasible.
	-Silt fence was repaired along the stone wall on the access drive where the run-off was noted. 5/25/06	- None at this time 5/25/06	- Silt fence was repaired here.
	-Restoration efforts will be necessary along the disturbed slopes of the access road from Diamond Hill. 4/26-5/25/06	- AL contractors will likely need to perform restoration when work is complete here. 5/4-5/25/06	- Needs attention
	- Silt fence was also working within the ROW along the access road, keeping sediment and run-off from the wetland. 5/4-5/25/06	- Monitor silt fence here. Determine if more coverage is necessary due to the adjacent cleared area. 5/4-5/25/06	- N/A at this time.

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	- **Norwalk Junction**: Haybales were restored as an additional control along the perimeter chain link fence. Perimeter silt fence remains in good shape along the river. 5/17-5/25/06.	- None at this time. Continue to monitor controls. 5/17-5/25/06.	-Haybales were replaced along the site.
	-The old culvert near the silt fence and the river was not observed. It appears to have been buried. 5/17-5/25/06.	-None at this time. 5/17-5/25/06.	- The culvert appeared to be buried.
	- The swale slopes remain in good shape and grass growth continues. 5/25/06.	-None at this time. Continue to monitor. 5/25/06.	- N/A
	-The wetland area outside the silt fence adjacent to the river was drying up but some silt build up remains. 5/25/06.	- The silt is contained and does not reach the river. Wetland vegetation was also noted growing here. Continue to improve water quality to the swale as this area receives direct run-off	- N/A at this time
	-Dewatering to the swale was not occurring and controls were not in place at the culvert. 5/25/06	-Install more controls in an attempt to filter out sediment, especially when dewatering. This is also necessary prior to rain events. 5/17-5/25/06.	- Needs attention
Inland Wetland and Watercourse encroachment and mitigation	- **Hoyts Hill**: The wetland remains well protected at this time. 4/6-5/25/06.	-Continue to monitor this area until slopes have stabilized completely. Vegetation is growing well 5/25/06.	- N/A.
	-Archers Lane: Watch run-off velocity down the completed slopes and walls. Efforts are needed to remove deposited sediment from the 1st wetland crossing. 2/16-5/25/06.	- Remove the sediment from the wetland where there are significant buildups. Several inches of sediment were noted. 2/16-5/25/06.	- Still needs attention
	- **Norwalk Junction**: The outlet of the drainage	- Reduce turbidity by controlling its source-	-Needs attention when feasible

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	swale is at the headwall of the wetland area. Water dried up leaving some silt behind. Wetland vegetation was growing 5/25/06	disturbed surfaces and dewatering on site. The area does not seem affected but consider removing deeper sediment buildup at the outlet. 5/25/06.	
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)	-**Hoyts Hill**: The southern slope gully was repaired and restored but some erosion was returning. 5/17-5/25/06. **- Archers Lane:** no additional clearing was noted here. 5/25/06. - **Norwalk Junction**: - Vegetative growth continued in the area between the silt fence and the river. 5/25/06.	- Continue to monitor both slopes for final stabilization. 5/17-5/25/06. -None at this time. 5/25/06. - Continue to monitor and restore perimeter surfaces. 5/25/06.	-N/A at this time -N/A. -N/A
Dewatering **Hoyts Hill** **Archers Lane** **Norwalk Junction**	-Dewatering was no longer noted here. Controls are still well in place. 4/6-5/25/06. - Dewatering was not directly observed but water was noted coming out of the pipe and across the road. Haybales remain installed across the swale. 5/25/06 -Dewatering was not occurring directly to the swale at this time, but controls were not in place. 5/25/06.	-None at this time. See erosion control section. 5/25/06. - The silt fence appeared to be filtering the water well. None at this time. 5/25/06. -Add controls as needed whenever dewatering is occurring and prior to rain events. 5/25/06.	-N/A -N/A - Needs attention
Blasting	- All blasting is complete at this time. 5/25/06	- None at this time.	-N/A
Soils	- Soil remains at the Archers Lane site from excavations but it is well	- None at this time 5/25/06.	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	contained. 5/25/06 - A number of soil stockpiles remain at Norwalk Junction as excavation continues. Large stockpiles have silt fence installed at the base. 5/4-5/25/06.	- Stockpiles remain contained. See erosion control section. 5/25/06.	-N/A
Spills and Material Storage	-A small leak was noted near the entrance of Norwalk Junction but is associated with 345kV equipment. 5/25/06 - No other spills or leaks were noted. A biodegradable vegetable oil was being used to pull in road plates and equipment at Archers Lane. 5/25/06	- 345kV contractors will have to attend to this and will be notified in their report 5/35/06 - 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 to this section of the project -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: Thursday June 1, 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 a view of the station pad with the structure in place. Photo on the right shows the wetland with good controls in place and vegetation growing well. 5/25/06

View of the southern slope where the larger gully and smaller rills have recently been restored. However, some erosion is beginning to appear again below the outlet. Continue to monitor and extend the outlet if necessary. 5/25/06.

Photos by BSC Group

Archers Lane: Photo on the left shows where silt fence was re-installed along the stone wall where some run-off had been occurring from the access road. Photo on the right shows the placement of the cable spools for the 345 kV work. 5/25/06.

Photo on the left shows a view of the station pad with some structures in place. Photo on the right shows the sedimentation within the 1st wetland continuing to build up beyond the controls. 5/25/06.

Photos by BSC Group

Norwalk Junction: Both photos show an overview of the structure and form work occurring on site. Soil stockpiles remain contained. 5/25/06.

Photo on the left shows an earthen berm covered with fabric along the river. This was installed by the storage center owner and is not project jurisdictional or covered by the project permits. Photo on the right shows the wetland at the headwall with the deposits of silt from the swale. Vegetation is growing here but sediment at the outlet should be picked up by hand and removed as best feasible. 5/25/06.

Photos by BSC Group