

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 7, 2006

Inspector: Don Ukers, Diana Walden

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

Storm/

Rain Event: Between 1.52-2.23" of rain was recorded over 6/1-6/3 and 1.5" of rain was recorded on 6/7 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. This area may need to be regraded in order to direct water to the catch basin. Run-off is channeling over the slope and re-forming the washouts and gullies. 6/7/06.	- Look at the design to determine if grades were not met and consider berming or grading the area so water is directed appropriately. 6/7/06.	-Needs attention.
	- Archers Lane: Water levels at the wetland crossings on the access road to the ROW remain below problem levels. 6/7/06.	-Crossings are in good shape but several spots along the silt fence in the ROW access road need attention. This includes the 1 st wetland. See other sections 6/7/06.	-Crews were working in the rain to repair controls
	-Slopes remain disturbed along the access road where 345kV trenching occurred. 4/26-6/7/06	-The area should be restored after vault access and work here is complete. 5/4-6/7/06	- Needs attention when work is complete
	- Silt fence was installed near the stone wall along the access drive but the rains caused the area to wash under again and turbid water was flowing to the wetland. 6/7/06	-Repair the silt fence. Toe it back in and place haybales in this spot for filtration. 6/7/06	- Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	<p>- Norwalk Junction: Sediment tracking did not appear to be an issue at this time but 345kV work had returned to the area. 5/25-6/7/06.</p>	<p>-Continue to monitor Rt. 7 at the main access pad. 345kV contractors should install controls here at their stockpiles. 6/7/06.</p>	<p>-N/A</p>
<p>Foundation construction</p>	<p>- At Hoyts Hill: 345kV XLPE work returned to the base of the slope at Rt 58. 6/1-6/7/06.</p> <p>- Active work on the pad was complete for the time and structures were in place. 5/17-6/7/06</p> <p>-At Archers Lane, structure and foundation work continues within the station pad. Several areas of scaffolding are also in place. 6/1-6/7/06</p> <p>-At Norwalk Junction: Work continues on the forms, foundations, and structure installations in the station pad. 3/15-6/7/06.</p> <p>- The adjacent storage center built an earthen/fabric berm along the silt fence adjacent to the site. 5/25-6/7/06</p>	<p>-None at this time 6/1-6/7/06.</p> <p>- None at this time. See erosion control section. 5/17-6/7/06</p> <p>- None at this time. The area is contained. 6/1-6/7/06</p> <p>- None at this time, the area is contained. See erosion control section for more information. 6/7/06.</p> <p>- This is not project related/jurisdictional or covered under the permit held by NU. 5/25-6/7/06</p>	<p>-N/A</p> <p>- N/A</p> <p>-N/A</p> <p>- N/A</p> <p>- N/A – not project jurisdictional</p>
<p>Erosion and Sediment Controls</p>	<p>-Hoyts Hill: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-6/7/06.</p> <p>-The gullies in the southern slope are worsening and re-forming even with the recent repairs. 5/17-6/7/06.</p> <p>- Water running down the driveway area is not reaching the catch basin and is channeling down</p>	<p>-Monitor and maintain the fence as necessary. 4/6-6/7/06 Vegetation is growing very well in the adjacent wetland 6/7/06</p> <p>-The area will need to be repaired and possible placed with erosion control mats or the pad should be extended. 6/7/06.</p> <p>- Consider reshaping the area so water runs to the appropriate area. 6/7/06</p>	<p>- N/A</p> <p>- Needs attention</p> <p>-Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Erosion and Sediment Controls continued	<p>the slope. 6/7/06</p> <p>- Archers Lane: At the time of inspection, efforts were underway to replace silt fence along the access road at the 1st wetland. Unfortunately, this was occurring during heavy rains and turbid water was flowing into the wetland. 6/7/06</p>	<p>-Repair controls as quickly as possible to prevent further sedimentation and turbidity. Attempt to perform this type of work prior to bad weather. 6/7/06</p>	<p>- Controls were being installed and should be completed by the end of the day.</p>
	<p>-Efforts will be made during good weather to remove the accumulated sediment which remains in this wetland. 4/26-6/7/06.</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. 5/17-6/7/06</p> <p>-Restoration efforts will be necessary along the disturbed slopes of the access road from Diamond Hill. 4/26-6/7/06</p> <p>- The silt fence at the base of the access road near the stone wall needs repair. 6/7/06</p> <p>- Turbid water from the access road was spilling over the silt fence at the top of slope. Wetlands are not immediately beyond but they are at the base of the vegetated slope 6/7/06</p>	<p>-Any easily accessible deposits of sediment need to be removed. (Some are over 6") Fine layers of silt can remain. 4/6-6/7/06</p> <p>- Repair fence and pull back stone as needed. Another spot is filling up but not overtopped. 5/17-6/7/06</p> <p>- AL contractors will likely need to perform restoration when work is complete here. 5/4-6/7/06</p> <p>- Install haybales here too for additional control. Turbid water was reaching the wetland. See access road section. 6/7/06</p> <p>- Repair the silt fence to prevent potential run-off from the site. 6/7/06</p>	<p>-Still needs attention.</p> <p>- Needs attention</p> <p>- N/A at this time.</p> <p>- Needs attention</p> <p>- Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	<p>- Norwalk Junction: Perimeter silt fence and haybales remain in good shape along the river. 5/17-6/7/06.</p> <p>- The swale slopes remain in good shape and there is improved grass coverage. 6/7/06.</p> <p>-The wetland area outside the silt fence adjacent to the river contained turbid water from the swale again, despite the haybales in place at the culvert. 6/7/06</p>	<p>- None at this time. Continue to monitor controls. 5/17-6/7/06.</p> <p>-None at this time. Continue to monitor. 6/1/06.</p> <p>- The silt is contained and does not reach the river. Wetland vegetation was also noted growing here. Consider removing silt build up at the stone outlet by hand. 6/1-6/7/06</p>	<p>-N/A</p> <p>- N/A</p> <p>- Needs attention if feasible</p>
	<p>-Turbid stormwater run-off was present in the swale due to adjacent disturbed areas. 6/7/06</p>	<p>Continue to improve water quality to the swale. Install more controls as necessary in an attempt to filter out sediment. 6/1-6/7/06.</p>	<p>- Haybales were in place</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- Hoyts Hill: The wetland remains well protected at this time. 4/6-6/7/06.</p> <p>-Archers Lane: Watch run-off velocity down the completed slopes and walls. Efforts are needed to remove deposited sediment from the 1st wetland crossing. 2/16-6/7/06.</p> <p>- Active work was occurring at the controls along the 1st wetland but turbid water was present due to the rainy weather. 6/7/06</p> <p>- Norwalk Junction: The outlet of the drainage swale is at the headwall of the wetland area. Turbid water was present</p>	<p>-Continue to monitor this area until slopes are stabilized completely. Vegetation is growing well 6/7/06.</p> <p>- Remove the sediment from the wetland where there are significant buildups. Several inches of sediment were noted. 2/16-6/7/06.</p> <p>- Replace controls as quickly as possible and avoid performing this type of work in bad weather. 6/7/06</p> <p>- Reduce turbidity by controlling its source-disturbed surfaces and dewatering on site. The area does not seem</p>	<p>- N/A.</p> <p>- Crews will be performing this work soon during better weather.</p> <p>-Controls are being repaired.</p> <p>-Needs attention when feasible</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	here again. Wetland vegetation was growing 6/7/06	affected but consider removing deeper sediment buildup at the outlet. 5/25-6/7/06.	
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>-Hoyts Hill: During the rain, it was apparent that the southern slope gullies were re-forming. 6/7/06.</p> <p>- Archers Lane: no additional clearing was noted here. 6/7/06.</p> <p>- Norwalk Junction: - Vegetative growth continued in the area between the silt fence and the river. 6/7/06.</p>	<p>- See erosion control section. 6/7/06.</p> <p>-None at this time. 6/7/06.</p> <p>- Continue to monitor and restore perimeter surfaces. 6/1-6/7/06.</p>	<p>-Needs attention</p> <p>-N/A.</p> <p>-N/A</p>
Dewatering	-Dewatering was no longer noted here. Controls are still well in place. 4/6-6/7/06.	-None at this time. See erosion control section. 6/7/06.	-N/A
Hoyts Hill			
Archers Lane	-Run-off from heavy rains was noted in several places along the access road but active dewatering was not noted. 6/7/06	- The silt fence appeared to be filtering the water well. None at this time. 5/25-6/7/06.	-N/A
Norwalk Junction	-Dewatering was not occurring directly to the swale at this time but haybales are in place. Stormwater run-off was present in the swale. 6/7/06.	-Maintain controls as needed whenever dewatering is occurring and prior to rain events. 5/25-6/7/06.	- Haybales were installed.
Blasting	- All blasting is complete at this time. 6/7/06	- None at this time.	-N/A
Soils	- Soil remains at the Archers Lane site from excavations but it is well contained. 6/7/06	- None at this time 6/7/06.	-N/A
	- A number of soil	- Stockpiles remain	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	stockpiles remain at Norwalk Junction as excavation continues. Large stockpiles have silt fence installed at the base. 5/4-6/7/06.	contained. See erosion control section. 6/7/06. -345kV contractors should place controls at their stockpiles near the entrance to Norwalk	
Spills and Material Storage	- No other spills or leaks were noted. 6/7/06	- 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			

Next likely scheduled inspection: Wednesday June 14, 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, Don Ukers



Hoyts Hill Transition Station: Photo shows a gully forming to the right of the outlet. The washout continues below the outlet where repairs had been made recently. It should be considered whether the driveway area needs to be regraded so that water flows better to the catch basin. 6/7/06



Archers Lane: Photo on the left shows where run-off has washed under the silt fence recently installed along the stone wall at the access drive. Haybales should be placed here and silt fence toed back in. Photo on the right shows where turbid water from the access drive is overtopping the silt fence. 6/7/06.



Archers Lane: Photo on the left shows the station pad and the ongoing work here. Photo on the right shows the access road towards the ROW. Fence was down but run-off was flowing along the erosion control line. 6/7/06.



Photo on the left shows where turbid run-off had entered the 1st wetland crossing along the access road. Photo on the right shows where crews were working in this area in the rain to install new controls. Sediment will also be removed by hand from this area. 6/7/06.



Norwalk Junction: Photo on the left shows the station with the ongoing work. Photo on the right shows the swale at the culvert where haybales are filtering out some of the turbidity. 6/7/06.



Norwalk Junction: Photo on the left shows the area along the perimeter fence, where run-off is well contained . Photo on the right shows the wetland area where the turbid water is leaving the swale but remains contained to this area. 6/7/06.