

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 14, 2006

Inspector: Don Ukers, Diana Walden

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

Storm/

Rain Event: Between 0.47-0.69" of rain was recorded over 6/9-6/10 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. 6/7-6/14/06.	- Look at the design to determine if grades were not met and consider berming or grading the area so water is directed appropriately. 6/7-6/14/06.	-Needs attention.
	- A concrete washout was also noted at the top of slope. 6/14/06	-It is unclear which section of the project is responsible. 6/14/06	- Needs attention
	- Archers Lane: Water levels at the wetland crossings on the access road to the ROW remain below problem levels. 6/14/06.	-Crossings are in good shape but several spots along the silt fence in the ROW access road need attention. 6/14/06.	- This may be ROW jurisdiction but it needs attention.
	- Crews repaired silt fence along the access road and it is holding back turbid run-off from the wetland. 6/14/06	- Continue to monitor and repair as soon as necessary. 6/14/06	-Silt fence was repaired
	-Slopes remain disturbed along the access road where 345kV trenching occurred. 4/26-6/14/06	-The area should be restored after vault access and work here is complete. 5/4-6/14/06	- Needs attention when work is complete

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	<p>- Silt fence near the stone wall along the access drive was toed in again to prevent run-off. Additional haybales may still be necessary. 6/14/06</p> <p>- Norwalk Junction: Sediment tracking did not appear to be an issue at this time. 345kV work had returned to the area. 5/25-6/14/06.</p>	<p>- Place haybales in this spot for additional filtration and control. 6/14/06</p> <p>-Continue to monitor Rt. 7 at the main access pad. 345kV contractors should install controls here at their stockpiles. 6/14/06.</p>	<p>- Silt fence was repaired.</p> <p>-N/A</p>
Foundation construction	<p>- At Hoyts Hill: 345kV XLPE work returned to the base of the slope at Rt 58. 6/1-6/14/06.</p> <p>- Active work was noted on the structures. 6/14/06</p> <p>-At Archers Lane, Some sit clean-up was occurring. Scaffolding, foundations and structures are in place. 6/14/06</p> <p>-At Norwalk Junction: Work continues on the forms, foundations, and structure installations in the station pad. 3/15-6/14/06.</p> <p>- The adjacent storage center built an earthen/fabric berm along the silt fence adjacent to the site. 5/25-6/14/06</p>	<p>-None at this time 6/1-6/14/06.</p> <p>- None at this time. See erosion control section. 5/17-6/14/06</p> <p>- None at this time. The area is contained. 6/1-6/14/06</p> <p>- None at this time, the area is contained. See erosion control section for more information. 6/14/06.</p> <p>- This is not project related/jurisdictional or covered under the permit held by NU. 5/25-6/14/06</p>	<p>-N/A</p> <p>- N/A</p> <p>-N/A</p> <p>- N/A</p> <p>- N/A – not project jurisdictional</p>
Erosion and Sediment Controls	<p>-Hoyts Hill: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-6/14/06.</p> <p>-The gullies in the southern slope are worsening and re-forming</p>	<p>-Monitor and maintain the fence as necessary. 4/6-6/14/06 Vegetation is growing very well in the adjacent wetland 6/14/06</p> <p>-The area will need to be repaired and possible placed with erosion</p>	<p>- N/A</p> <p>- Needs attention</p>

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<p>Erosion and Sediment Controls continued</p>	<p>even with the recent repairs. 5/17-6/14/06. - Water running down the driveway area is not reaching the catch basin and is channeling down the slope. 6/14/06</p> <p>- A concrete truck washed out at the top of slope and washout water run down the outlet pad to the edge of wetlands. 6/14/06</p> <p>- Archers Lane: Silt fence was replaced along the access road at the 1st wetland. Turbidity had settled out and the fence was holding back run-off. 6/14/06</p>	<p>control mats or the pad should be extended. 6/14/06. - Consider reshaping the area so water runs to the appropriate area. 6/14/06</p> <p>- This is now within the stones of the pad and should be cleaned out, as well as off the slope. Concrete drivers should all be reminded about this . 6/14/06</p> <p>-Continue to monitor the fence integrity carefully and repair whenever necessary. 6/14/06</p>	<p>-Needs attention</p> <p>- It is unclear which section of the project is responsible for cleanup but it needs attention.</p> <p>-Silt fence was restored.</p>
	<p>-Efforts will be made during good weather to remove the accumulated sediment which remains in this wetland. 4/26-6/14/06.</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. 5/17-6/14/06</p> <p>-Restoration efforts will be necessary along the disturbed slopes of the access road from Diamond Hill. 4/26-6/14/06</p> <p>- The silt fence at the base of the access road near the stone wall was repaired. 6/14/06</p>	<p>-Any easily accessible deposits of sediment need to be removed. (Some are over 6") It's unclear whether this had occurred. 6/14/06</p> <p>- Repair fence and pull back stone as needed. Another spot is filling up but not overtopped. 5/17-6/14/06</p> <p>- AL contractors will likely need to perform restoration when work is complete here. 5/4-6/14/06</p> <p>- Install haybales here too for additional control. 6/14/06</p>	<p>-May still need attention.</p> <p>- Needs attention</p> <p>- N/A at this time.</p> <p>- Silt fence was repaired. Install haybales if feasible</p>

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	<p>- Silt fence at the top of slope where process had been stored will still need to be repaired. 6/7-6/14/06</p>	<p>- Repair the silt fence to prevent potential run-off from the site. 6/7-6/14/06</p>	<p>- Needs attention</p>
	<p>- Norwalk Junction: Perimeter silt fence and haybales remain in good shape along the river. 5/17-6/14/06.</p> <p>- The swale slopes remain in good shape and there is improved grass coverage. 6/14/06.</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. 6/7-6/14/06</p> <p>-Turbid stormwater run-off and sediment accumulation was present in the swale due to adjacent disturbed areas and dewatering. 6/7-6/14/06</p>	<p>- None at this time. Continue to monitor controls. 5/17-6/14/06.</p> <p>-None at this time. Continue to monitor. Maintain when needed 6/14/06.</p> <p>- The silt is contained and does not reach the river. Wetland vegetation was also noted growing here. Silt has built up at the stone outlet and should be removed by hand. 6/1-6/14/06</p> <p>Continue to improve water quality to the swale. Maintain/ remove sediment when feasible. 6/1-6/14/06.</p>	<p>-N/A</p> <p>- N/A</p> <p>- Needs attention if feasible</p> <p>- Needs attention if feasible</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- Hoyts Hill: The wetland remains well protected at this time. 4/6-6/14/06.</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. 2/16-6/14/06.</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 6/14/06.</p> <p>- Remove the sediment from the wetland where there are significant buildups. Several inches of sediment were noted. 2/16-6/14/06.</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>-Needs attention when feasible</p>

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	here again. Wetland vegetation was growing but silt has accumulated 6/14/06	affected but deeper sediment buildup at the outlet should be removed. 5/25-6/14/06.	
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. 6/7-6/14/06.</p> <p>- Archers Lane: no additional clearing was noted here. 6/14/06.</p> <p>- Norwalk Junction: - Vegetative growth continued in the area between the silt fence and the river. 6/14/06.</p>	<p>- See erosion control section. 6/7-6/14/06.</p> <p>-None at this time. 6/14/06.</p> <p>- Continue to monitor and restore perimeter surfaces. 6/1-6/14/06.</p>	<p>-Needs attention</p> <p>-N/A.</p> <p>-N/A</p>
<p>Dewatering</p> <p>Hoyts Hill</p> <p>Archers Lane</p> <p>Norwalk Junction</p>	<p>-Dewatering was no longer noted here. 4/6-6/14/06. The old filter remains by the silt fence</p> <p>- Active dewatering was not noted. 6/14/06</p> <p>-Dewatering was noted to the swale for 345kV repair work but haybales are in place. 6/14/06.</p>	<p>-Remove the old filter bag from site when feasible. 6/14/06.</p> <p>- The silt fence appeared to be filtering the water well. None at this time. 5/25-6/14/06.</p> <p>-Maintain controls as needed whenever dewatering is occurring and prior to rain events. 5/25-6/14/06.</p>	<p>-Needs attention when feasible</p> <p>-N/A</p> <p>-Sediment accumulation should be removed</p>
Blasting	- All blasting is complete at this time. 6/14/06	- None at this time.	-N/A
Soils	<p>- Some soil remains at the Archers Lane site from excavations but it is well contained. 6/14/06</p> <p>- A number of soil stockpiles remain at</p>	<p>- None at this time 6/14/06.</p> <p>- Stockpiles remain contained. See erosion</p>	<p>-N/A</p> <p>-N/A</p>

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	Norwalk Junction as excavation continues. Large stockpiles have silt fence installed at the base. 5/4-6/14/06.	control section. 6/14/06. -345kV contractors should place controls at their stockpiles near the entrance to Norwalk	
Spills and Material Storage	- Concrete washout was noted at the Hoyts Hill slope off the driveway. It tracked along the slope to the edge of wetlands and should be removed. Remind drivers about using contained, designated areas. 6/14/06	- 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.	-Needs attention- should be cleaned up. The jurisdiction is unclear.
Additional Observations			

Next likely scheduled inspection:

Tuesday June 20, 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 on the left shows where a concrete washout had occurred. Washout water ran down the slope in the outlet pad to the edge of the wetland. It is unclear which section of the project would be responsible for cleanup. Photo on the right shows work on the structures. 6/14/06



Archers Lane: Both photos show an overall view of the foundation and structure work occurring in the station yard. 6/14/06.



Archers Lane: Photo on the left shows the repaired silt fence at the wetland crossing. Turbid water is being held back and filtered but this fence will have to continue to be monitored. (Norwalk Junction): Photo on the right shows an overview of the yard here. 6/14/06.



Photo on the left shows the wetland area at the end of the swale where turbid water has ponded again. Photo on the right shows a close up view of the outlet where sediment is accumulating. Sediment should be carefully removed by hand from this area. 6/14/06.