

**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:** March 23-24, 2006

**Inspector:** Don Ukers

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

**Storm/**

**Rain Event:** Only a trace of precipitation was recorded since the previous inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- <b>Hoyts Hill:</b> Access is gained off Hoyts Hill Road. Sediment tracking was not observed on the roadway. 3/23/06.	- Ruts in the access driveway should be smoothed out as necessary. This will likely happen when activities are complete here. 3/23/06	N/A at this time
	- <b>Archers Lane:</b> Water levels at the wetland crossings on the access road to the ROW remain low. 3/23/06.	-Sediment accumulation in the wetlands will have to be addressed, especially before the growing season. 2/2-3/23/06.	
	- The trenchwork for the 345kV project continues at the intersection of the access road and Diamond Hill Rd. Watch placement of materials along the silt fence and stone wall. 3/23/06.	- The stone wall helps to keep any sediment from the wetlands along the drive but sediment piles were noted. 3/9-3/23/06.	-See 345kV report
	- <b>Norwalk Junction:</b> Sediment tracking did not appear to be an issue at this time. Sediment piles remain from the melted snow piles that were plowed into the swale during the last snow	-Continue to monitor Rt. 7 at the main access pad. 3/2-3/23/06.  - See erosion control section for more details	-N/A

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	event remain. 2/16-3/23/06.	on the snow/sediment. 2/16-3/23/06	
Foundation construction	<p>- At <b>Hoyts Hill</b>: Trench boxes were being placed on the pad. 3/23/06.</p> <p>-The gullies on the north side of the station appeared to be filled in/repared as a result of the 345kV XLPE work in this area. 3/24/06.</p> <p>- The south side gullies will still need attention. 3/23/06</p> <p>-At <b>Archers Lane</b>, reinforcement for the foundation of the structures within the station pad was being fabricated. Excavations remains open. 3/23/06.</p> <p>- 345kV trench work continues at the base of the access road. 3/23/06.</p> <p>-At <b>Norwalk Junction</b>: Work continues on the structures in the station pad including several large excavations. 3/15-3/23/06</p> <p>- Trenching was also noted along the perimeter of the yard. 3/23/06</p>	<p>-The station pad itself is in good shape but the adjacent area needs some attention. 1/19-3/23/06.</p> <p>-See EC section for more details and continue to monitor to determine if this solution is enough. 3/23/06.</p> <p>- See erosion control section. 12/01-3/23/06.</p> <p>-None at this time. The area is contained. 3/23/06.</p> <p>-See 345kV report for details. 3/23/06</p> <p>-Soil remains largely contained to site but see erosion control section for more information. 3/23/06.</p> <p>- None at this time 3/23/06</p>	<p>-N/A</p> <p>- Repairs were made to the gullied/eroded areas to the north of the station walls.</p> <p>-N/A</p> <p>- N/A</p> <p>-N/A.</p> <p>-N/A</p>
Erosion and Sediment Controls	<p>-<b>Hoyts Hill</b>: The perimeter silt fence along the wetlands at the rear of the station is still toed in but wear and tear is visible. 3/23/06 Although XLPE crews attempted to patch the fence, turbid water from their operation is still getting through. 3/23/06.</p>	<p>-The fence should be maintained as necessary. 345kV XLPE crews are only responsible for the portions of controls they are utilizing. 3/23/06</p>	<p>- A silt fence patch was attempted but still needs more attention.</p>

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	<p>- Accumulated sediment remains at the fence and in the wetland as a result of previous dewatering from the station pad. 3/9-3/23/06</p>	<p>- Transition station contractors will need to continue to remove sediment as this is also exacerbating the current XLPE dewatering situation. 3/9-3/23/06.</p>	<p>-Some efforts had been made to remove the sediment. Continue to do so. 3/9-3/23/06</p>
<p>Erosion and Sediment Controls continued</p>	<p>- It appears the erosive gullies on the northern slope of the station were filled in and repaired. 3/23/06.                      -The southern gully and less severe erosion along the face of the southern silt fence still needs attention. 1/26-3/23/06.                       - A sand pile for mixing concrete was being stored in the driveway across from Rt. 58. 2/16-3/23/06.</p>	<p>-Continue to monitor the northern slope as it does not appear the outlet pad was changed. 3/2-3/23/06.                      -Plan to repair/stabilize the southern slope as well. 3/23/06                       - Either install silt fence at the stockpile due to its proximity to wetlands or remove it all together. 2/16-3/23/06</p>	<p>- The northern gully was filled-in / regraded..</p>

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	<p>- <b>Archers Lane:</b>            Sedimentation in the 1<sup>st</sup> wetland crossing to varying degrees from a fine layer over the leaf litter to several inches of accumulation. 1/26-3/23/06.</p> <p>- Water levels have remained low for the most part. 3/23/06</p> <p>-Some materials were placed on the silt fence along the access drive. 3/23/06</p> <p>- <b>Norwalk Junction:</b>            Haybales remain along the perimeter fence on site as an additional control, but sections have been removed due to the placement of hoses. 3/8-3/23/06. Equipment movement is also damaging haybales.</p>	<p>- Any easily accessible deposits of sediment will need to be removed. Fine layers of silt can remain. 1/26-3/15/06.</p> <p>-Sediment should be removed prior to the growing season. 3/23/06</p> <p>-None at this time.</p> <p>- This may be 345kV crews responsibility to remove and restore fence. 3/23/06</p> <p>- The haybales appear to be working well for the most part, keeping mud and soil from the site from reaching the silt fence. 2/16-3/23/06</p> <p>Repair sections where needed. 3/23/06</p>	

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<p>Erosion and Sediment Controls continued</p>	<ul style="list-style-type: none"> <li>-The old culvert near the silt fence and the river was observed. It still shows evidence of occasional flow, including sediment from the disturbed soil at the site. 3/15-3/23/06</li> <li>-The wetland area outside the silt fence adjacent to the river shows some accumulated sediment 3/8-3/23/06.</li> <li>- Silt fence also may need repair in this location. 3/23/06</li> <li>- Sediment from previously plowed snow piles remained directly in and along the swale. This introduces more potential for turbidity. 2/16-3/23/06.</li> <li>- Erosive gullies remain in a number of locations along the lower drainage swale due to site run-off, resulting in further sedimentation to the swale. 12/30-3/23/06. Haybales remained in the inlets. 2/2-3/23/06.</li> <li>-The riprap swale remains to the Norwalk River for dewatering from the well points. 2/23-3/23/06.</li> </ul>	<ul style="list-style-type: none"> <li>- The culvert needs to have haybales installed if it is going to remain in place. Otherwise it should be removed/or the connection cut, completely 3/15-3/23/06</li> <li>- This area receives direct runoff from the site through the swale making water quality important. The adjacent site is disturbed resulting in this turbidity. 1/19-3/23/06.</li> <li>- Snow has melted but sediment could be removed from the swale. 3/8-3/23/06.</li> <li>- The erosion control matting on the swale likely needs to be extended up and over the top of slope to prevent further erosion until the growing season. 12/30-3/23/06.</li> <li>- Water was directly observed from the pipe and it remains crystal clear. 3/23/06</li> <li>- Be sure to restore this outlet area when work is complete. 2/16-3/23/06.</li> </ul>	<p>-N/A until work is complete.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<ul style="list-style-type: none"> <li>- <b>Hoyts Hill:</b> Not all of the previously accumulated silt was removed from the wetland yet. 3/9-3/23/06.</li> <li>- This was exacerbating the turbidity noted as part of the XLPE dewatering.</li> </ul>	<ul style="list-style-type: none"> <li>-Contractors had removed some but need to return to complete the job. 3/23/06.</li> <li>- See 34kV XLPE report for more details. 3/23/06</li> </ul>	<p>- Efforts need to continue. 3/23/06</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	<p>3/23/06</p> <p><b>-Archers Lane:</b> Watch run-off velocity down the completed slopes and walls. Pick up deposited sediment adjacent to and in the wetlands at the ROW access road crossings. 1/26-3/23/06.</p> <p><b>- Norwalk Junction:</b> A riprap swale was built right to the river for dewatering on-site. Well points will ensure the water remains clear. 3/2-3/23/06.</p> <p>- The outlet of the drainage swale is at the headwall of the wetland area. Sediment has been an issue here in the wetlands but has not had a significant impact on the river. 12/30-3/23/06.</p>	<p>- Remove the sediment from the wetland where there are significant buildups. See the ROW report for more details. 2/16-3/23/06.</p> <p>-Water is very clear at this time. Continue to monitor. 3/23/06.</p> <p>-See Erosion Control Section for more details. Reduce turbidity by controlling its source-disturbed surfaces on site. 12/30-3/23/06</p>	<p>-N/A at this time</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 slopes and areas surrounding the site should be revegetated in the spring as necessary. 3/23/06</p> <p><b>- Archers Lane:</b> no additional clearing was noted here. 3/23/06.</p> <p><b>- Norwalk Junction:</b> Some tree work was noted near Rt. 7. 3/23/06.</p>	<p>- Determine whether additional seed will be necessary. 3/23/06</p> <p>-None at this time. 2/23/06-3/23/06.</p> <p>- Restore areas along the perimeter as feasible. 3/23/06.</p>	<p>-N/A until the growing season.</p> <p>-N/A.</p> <p>- N/A until work is completed</p>
<p>Dewatering <b>Hoyts Hill</b></p>	<p>-Dewatering continues from the 345kV XLPE work but sediment accumulation from previous station work remains. 3/23/06</p>	<p>- Some efforts were made to remove silt build up but this needs to be completed. 3/15-3/23/06.</p>	

Areas of Inspection	Observation	Recommended Action	Corrected Actions
<b>Archers Lane</b>	- Dewatering was not necessary at the time for the excavation. Haybales remain installed across the swale. 3/23/06	- None at this time. 3/23/06.	-N/A at this time
<b>Norwalk Junction</b>	-Well points and a network of pipes remain to handle the dewatering. 2/23/06-3/23/06.	-None at this time. Water leaving the outlet pipe is very clear. 3/23/06	- N/A at this time. 3/23/06.
Blasting	- All blasting is complete at this time. 3/23/06	- None at this time.	-N/A
Soils	- Soil remains at the Archers Lane site from excavations but it is well contained. 3/23/06  - A number of soil stockpiles remain at Norwalk Junction as excavation continues 3/23/06	- None at this time 3/23/06  - Soil does remain contained. 3/2-3/23/06.	- N/A
Spills and Material Storage	-None at this time. 3/23/06	- 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 March 29, 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



**Hoyts Hill Transition Station: Photo on the left shows a stockpile remaining across Rt 58 on the driveway. It should either be removed or controls installed. Photo on the right shows the area where silt/sediment leftover from transition station dewatering needs to continue to be removed. 3/24/06**



**Photo shows an overview of the perimeter fence and the controls installed for 345kV XLPE dewatering on site. 3/24/06.**



Archers Lane Transition Station: Photo shows an overview of the work continuing within the station pad. 3/23/06.



Photo on the left shows another view of the station pad. Photo on the right shows where accumulated sediment remains on the wetland side of the silt fence on the access drive to the ROW. Sediment will still need to be removed from a few areas here. 3/23/06



**Norwalk Junction: Both photos show an overall view of the station yard where excavation continues. All stockpiles and disturbed soil remains fairly well contained to the site. 3/23/06**



**Photo on the left shows a view of the upper swale which remains well restored. Photo on the right shows water from the well points leaving the outlet pipe to the swale where it will enter the Norwalk River. The water is crystal clear at this time. 3/23/06.**