

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: April 12, 2006

Inspector: Lee Curtis and Diana Walden

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

Storm/

Rain Event: Approximately 0.57" of precipitation was recorded over 4/7-4/8 as reported by NOAA

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	<p>- Hoyts Hill: Access is gained off Hoyts Hill Road. Sediment tracking was not observed on the roadway and access into the pad has been improved. 4/6-4/12/06.</p> <p>- Archers Lane: Water levels at the wetland crossings on the access road to the ROW remain below problem levels. 4/12/06.</p> <p>- Norwalk Junction: Sediment tracking did not appear to be an issue at this time. Sediment remains in the swale from the melted snow piles and erosion continues along the slopes. 2/16-4/12/06.</p>	<p>-The condition of the drive has been improved even though work continues here. 4/6-4/12/06.</p> <p>-Crossings and controls are in good shape. 4/12/06.</p> <p>-Continue to monitor Rt. 7 at the main access pad. 3/2-4/12/06.</p> <p>- See erosion control section for more details on the swales/sediment. 2/16-4/12/06.</p>	<p>-N/A.</p> <p>-N/A</p> <p>-N/A</p>
Foundation construction	<p>- At Hoyts Hill: 345kV XLPE trenchwork and backfill is complete along the northern slope and an area of excavation remains at the base of the slope. 4/6-4/12/06.</p>	<p>-The station pad itself is in good shape and the northern slope is well restored. 4/12/06.</p>	<p>-N/A</p>

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	<p>-345kV XLPE associated excavations were also present on the pad. 4/6-4/12/06.</p> <p>-At Archers Lane, foundation work continues within the station pad. 3/29-4/12/06.</p> <p>-The tower has been installed adjacent to the station pad. 4/12/06.</p> <p>-At Norwalk Junction: Work continues on the structures in the station pad including several large excavations and backfilling operations. 3/15-4/12/06.</p>	<p>- None at this time, the areas remain contained. 4/12/06</p> <p>-None at this time. The area is contained. 4/12/06.</p> <p>-None at this time. 4/12/06</p> <p>- See erosion control section for more information. 4/12/06.</p>	<p>-N/A</p> <p>-N/A</p> <p>- N/A</p> <p>-N/A</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. Any dewatering is being filtered well. 4/6-4/12/06.</p> <p>- The erosive gullies on the northern slope of the station were graded as part of the 345kV XLPE backfilling. Erosion control mats and blankets were well installed. 4/6-4/12/06.</p> <p>-The southern gully and less severe erosion along the face of the southern silt fence still needs attention. 1/26-4/12/06.</p> <p>- Controls are in place over the catch basin in the station pad for dewatering purposes. 4/6-4/12/06.</p>	<p>-Monitor and maintain the fence as necessary and continue to monitor for any sediment accumulation. 4/6-4/12/06.</p> <p>- Continue to monitor the condition of the mats and slopes. 4/6-4/12/06.</p> <p>-Plan to repair/stabilize the southern slope as well and potentially extend the outlet. 4/6-4/12/06.</p> <p>-None at this time.</p>	<p>- N/A all repairs were made.</p> <p>Erosion control and revegetative blankets were in place on the slope</p> <p>N/A</p>

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<p>Erosion and Sediment Controls continued</p>	<p>- Archers Lane: Efforts continue to remove some of the sediment washouts in the wetlands. 4/6-4/12/06.</p> <p>-Silt fence was in good shape at the top of the slope. Hay mulch was applied and this area is beginning to re-vegetate. 4/12/06.</p> <p>- Norwalk Junction: For the most part, haybales remain along the perimeter fence on site as an additional control. 4/6-4/12/06. However, Haybales are missing or in need of repair along a portion of the perimeter fence. 4/12/06.</p>	<p>- Any easily accessible deposits of sediment will continue to be removed. Fine layers of silt can remain. 4/6-4/12/06.</p> <p>-None at this time. 4/12/06</p> <p>- The haybales appear to be working well for the most part, keeping site mud and soil from reaching the silt fence. 2/16-4/12/06. Repair portions of the hay bale line where necessary 4/12/06.</p>	<p>- Efforts were made to start removing sediment buildups.</p> <p>-The area was restored and mulched</p>

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	<p>-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. 3/15-4/12/06.</p> <p>-Haybales were placed near the inlet but sediment remains in and around the culvert. 4/12/06.</p> <p>-The wetland area outside the silt fence adjacent to the river shows some accumulated sediment 3/8-4/12/06.</p> <p>- Silt fence should be maintained in this location. 4/12/06.</p> <p>- Sediment from previously plowed snow piles remained directly in and along the swale. This introduces more potential for turbidity. 2/16-4/12/06.</p>	<p>- The culvert needs to have haybales installed closer to the inlet if it is going to remain in place. Otherwise it should be removed/or the connection cut, completely 4/12/06.</p> <p>- This area receives direct runoff from the site through the swale making water quality important. The adjacent site is disturbed resulting in this turbidity. 1/19-4/12/06.</p> <p>- Snow has melted but sediment could be removed from the swale. 3/8-4/12/06.</p>	<p>-Haybales were installed at the culvert as an attempt to decrease sedimentation. Haybales should be placed closer to the inlet.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
<p>Erosion and Sediment Controls continued</p>	<p>- Soil has slumped/washed out in several spots in the lower drainage swale due to site run-off, resulting in further sedimentation to the swale. 12/30-4/12/06. Haybales remained in the inlets. 2/2-4/12/06.</p> <p>-A large soil stockpile was placed directly adjacent to the lower swale and was not protected with erosion controls. Contractors were made aware of the problem and were going take immediate action. 4/12/06.</p> <p>-The riprap swale to the Norwalk River had been removed and dewatering activities had ceased. The outlet area appears to have been restored 4/12/06.</p>	<p>- 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. 12/30-4/12/06.</p> <p>-Install erosion controls around the stockpile at the perimeter fence, adjacent to the swale. 4/12/06.</p> <p>- Monitor this area for re-vegetation and erosion. Maintain erosion controls until stabilized. 4/12/06.</p>	<p>-The riprap swale had been removed and the outlet area restored. 4/12/06.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- Hoyts Hill: The wetland remains well protected at this time. 4/6-4/12/06.</p> <p>-Archers Lane: Watch run-off velocity down the completed slopes and walls. Efforts were made to start removing deposited sediment adjacent to and in the wetlands at the ROW access road crossings. 4/12/06.</p> <p>- Norwalk Junction: The outlet of the drainage swale is at the headwall of the wetland area.</p>	<p>-Continue to monitor this area until slopes have stabilized and dewatering has ceased. 4/12/06.</p> <p>- Continue to remove the sediment from the wetland where there are significant buildups. See the ROW report for more details. 2/16-4/12/06.</p> <p>-See Erosion Control Section for more details. Reduce turbidity by controlling its source-</p>	<p>- N/A.</p> <p>-Efforts were made to remove some of the sediment.</p> <p>-The dewatering outlet was removed and restored but water quality from</p>

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	Sediment has been an issue here in the wetlands but has not had a significant impact on the river. 12/30-4/12/06.	disturbed surfaces on site. 12/30-4/12/06.	the headwall swale could use work.
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 surrounding slopes should be revegetated in the spring as necessary. Mats were installed for stabilization and revegetation on the north side. 4/6-4/12/06.</p> <p>- Archers Lane: no additional clearing was noted here. 4/12/06.</p> <p>- Norwalk Junction: -No additional clearing is needed for the transition station work. 4/12/06. -Additional clearing associated with corridors in from the adjacent new ROW had begun. 4/12/06.</p>	<p>- Repairs to washouts on the south side will be needed. Determine whether additional seed will be necessary. 4/12/06.</p> <p>-None at this time. 2/23/06-4/12/06.</p> <p>- Restore areas along the perimeter of the station pad as feasible. 4/12/06.</p> <p>See Overhead Report for more details. 4/12/06</p>	<p>-The northern slope is stabilized.</p> <p>-N/A.</p> <p>- N/A until work is completed.</p> <p>-N/A</p>
<p>Dewatering</p> <p>Hoyts Hill</p> <p>Archers Lane</p> <p>Norwalk Junction</p>	<p>-Slight dewatering continues from the 345kV XLPE work. Controls are well in place. 4/6-4/12/06.</p> <p>- Dewatering was not necessary at the time for the excavation. Haybales remain installed across the swale. 4/6-4/12/06</p> <p>-Dewatering activities from the well points appear to have ceased and the outlet area has been restored. The network of pipes has been removed from the area. 4/12/06.</p>	<p>-None at this time. See erosion control section. 4/12/06.</p> <p>- None at this time. 4/12/06.</p> <p>-None at this time. See erosion control section. 4/12/06.</p>	<p>-N/A</p> <p>-N/A at this time</p> <p>- The riprap outlet was removed and the area was restored</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Blasting	- All blasting is complete at this time. 4/12/06	- None at this time.	-N/A
Soils	- Soil remains at the Archers Lane site from excavations but it is well contained. 4/12/06 - A number of soil stockpiles remain at Norwalk Junction as excavation continues. One large stockpile has been placed directly adjacent to the lower swale and is not protected by erosion controls. See erosion control section. 4/12/06.	- None at this time 4/12/06. - For the most part, soil stockpiles remain contained. See erosion control section. 4/12/06.	
Spills and Material Storage	-No spills or leaks were noted at the time of inspection. 4/12/06	- 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 at this time
Additional Observations			

Next likely scheduled inspection:

Thursday April 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 for Lee Curtis



Hoyts Hill Transition Station: Photo on the left shows the erosion control mats installed on the northern slope with an area of grout. Photo on the right shows a view of the dewatering and perimeter controls well in place. These areas are considered jurisdictional to 345kV XLPE work. 4/12/06



Photo on the left shows sediment resulting from the erosion on the southern slope which still needs to be repaired. Photo on the right shows an overview of the 345kV XLPE work continuing at the station pad. 4/12/06.



Archers Lane: Both photos show views of the foundation work continuing at the station pad. 4/12/06.



Photo shows the restored area located at the top of slope, adjacent to the access road into the transition station. Hay mulch has been applied and the area is beginning to re-vegetate. Silt fence remains intact. 4/12/06.



Norwalk Junction: Photo on the left shows the erosive gullies on the slopes of the lower swale. Photo on the right shows a view of the large stockpile placed adjacent to the swale. Erosion controls need to be installed here. 4/12/06.



Photo on the left shows the haybales that were placed in front of the old culvert as requested. Sediment remains in and around the culvert. Photo on the right shows a section of the perimeter haybales that are in need of repair. 4/12/06.