

Docket No. 272 – Development and Management Plan Inspection

The Connecticut Light and Power Company Certificate of Environmental Compatibility and Public Need for the construction of a new 345-kV electric transmission line and associated facilities between Scovill Rock Switching Station in Middletown and Norwalk Substation in Norwalk, Connecticut, including reconstruction of portions of existing 115-kV and 345-kV electric transmission line, the construction of Beseck Switching Station in Wallingford, East Devon Substation in Milford, (and Singer Substation in Bridgeport), modifications at Scovill Rock Switching Station and Norwalk Substation, and the reconfiguration of certain interconnections.

Beseck Switching Station Inspection

Date: November 14, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: Total of 2.80" rain from 11/8 – 11/14 with 1.71" on 11/8 (as reported by NOAA at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	All traffic leaving the site is using stone entrance on east side. Sediment was being swept from Carpenter Lane during the inspection. Some pooled turbid run-off had also reached the roadway. 11/14/06	Clean/sweep roadway regularly. Continue to monitor stormwater leaving the site; replace and add more controls as needed. Clean gutters by hand as needed. 11/14/06	Roadway being swept during the inspection.
	Stone access pad is mostly clean of sediment buildup. Trucking/ soil removal from site resumed this week to remove the final stockpile. Stone pad has been regraded. 11/14/06	Continue to clean/refresh stone construction entrance. Determine how to contain all run-off from reaching the road. 11/14/06	The stone was re-graded. Continue evaluation.
	Haybales remain at the edge of the entrance pad to filter storm water before leaving the site. However, turbid run-off was reaching the roadway and leaving the site. 11/14/06	Monitor haybales and replace or reposition as needed to filter run-off. Evaluate installing the berm that was discussed at the stone pad. 11/14/06	Needs attention.
	Existing stone entrance was extended through the site and connected to the existing ROW access road to be used jointly between Beseck and	This area will still require regular attention by all contractors to reduce sediment tracking. 11/14/06	Additional stone was placed.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>segment 1A contractors. 11/14/06</p> <p>The culvert under the new access road is in place. A riprap sediment trap is still proposed for the outlet. 11/7-11/14/06</p> <p>Haybales across the old Zolnik driveway are in good shape; area is being graded, and old stockpile was removed. 11/14/06</p> <p>CB liners have been cleaned and appear to be working well. “Gutter Buddies” were added as a dam at the drop inlet to force water through the controls. 11/14/06</p>	<p>Install basin/trap at the outlet as soon as feasible to filter water before discharging it off site. 11/7-11/14/06</p> <p>Continue to replace haybales as needed. Stabilize area to the extent feasible upon completion. 11/14/06</p> <p>Continue to monitor and maintain liners as needed. Determine if the roadway is the source of wetland turbidity. 11/14/06</p>	<p>Haybales were in place at the inlet but continue construction on the outlet.</p> <p>Final grading underway.</p> <p>CB liners were cleaned and replaced. “Gutter Buddies” were added</p>
<p>Foundation and site construction</p>	<p>Grading onsite continues in the north. The south side of the site is at finished grade. 11/14/06</p> <p>Fence installation continues above the new detention ponds. 11/14/06</p> <p>Crushed stone and safety grid (ground wires) continue to be installed above the new retention ponds. Site will continue to be graded and a layer of crushed stone installed. 11/14/06</p>	<p>Erosion controls may need to be adjusted as grading changes. 11/14/06</p> <p>None. 11/14/06</p> <p>Continue to add crushed stone to finished areas for stabilization. This also helps reduce exposed surfaces on site. 11/14/06</p>	<p>Not Applicable (NA)</p> <p>NA</p> <p>Crushed stone was added to finished areas.</p>
<p>Erosion and sediment controls</p>	<p>Silt fence is secure and well-maintained. South and east sides are reinforced with bark mulch. 11/14/06</p> <p>Haybales were placed at the culvert inlet at the new ROW access road; no sedimentation noted at this time. 11/14/06</p> <p>Haybales remain in good</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 11/14/06</p> <p>Segment 1A contractors also maintain controls here at the eastern wetland. 11/14/06</p> <p>Continue to maintain as</p>	<p>NA</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Erosion and sediment controls (continued)</p>	<p>shape across old Zolnik driveway. 11/14/06</p> <p>Filter fabric and haybales remain in place over and around the drain inlets in the permanent detention basins. These controls may not be effective enough. It needs to be determined if turbid run-off is entering the storm drain system from the riser pipes. 11/14/06</p> <p>The storm water outlet contains turbid run-off again following several inches of rain. Sediment laden water is getting through the haybales and into the wetland. 11/14/06</p> <p>A vacuum truck was used this week to clean out the CBs along Carpenter Lane. 11/14/06</p> <p>Additional areas of exposed soil surfaces on site have been graded and hydroseeded with winter rye. Erosion control mats are also in place on steeper slopes. 11/14/06</p>	<p>necessary. 11/14/06</p> <p>Slopes were hydroseeded but grass cover is not expected before winter. Evaluate additional stabilization measures to reduce turbidity in stormwater. More controls may be needed. Also, determine if this is the source of sediment in the wetland. 11/14/06</p> <p>Haybales should be replaced/repositioned and monitored. Storm water needs to be better filtered before leaving the site. Determine the source of turbidity, stabilize exposed soils and add controls as necessary. 11/14/06</p> <p>Continue to improve all potential inlets to the storm drain system. 11/14/06</p> <p>Continue to temporarily stabilize any remaining areas as soon as possible. Monitor areas for erosion and run-off. 11/14/06</p>	<p>Needs attention and evaluation.</p> <p>Needs attention and evaluation.</p> <p>CBs have been cleaned out.</p> <p>Most exposed surfaces were hydroseeded.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The wetland across Carpenter Lane again contained standing, turbid water following several inches of rain. The outlet pipe also contained sediment laden water. 11/14/06</p> <p>Wetlands on east side of site were clean and well protected. 11/14/06</p>	<p>Evaluate the wetland when sediment settles out to determine whether sediment removal will be necessary. Haybales need to be replaced and the definite source of turbidity needs to be identified and controlled. 11/14/06</p> <p>Continue to monitor. See segment 1a report for further information.</p>	<p>Needs attention and evaluation.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in this work area.	None 11/14/06	NA
Vegetative clearing or stabilization	<p>Other exposed soil surfaces around the site have been hydroseeded and erosion control mats have been installed on steep slopes. 11/14/06</p> <p>Any areas that will remain unworked for several weeks should be temporarily stabilized. Some areas were at final grade and crushed stone base was being installed. 11/14/06</p>	<p>Place hay mulch (or similar) for temporary stabilization, especially on detention basin slopes. Continue to monitor recently seeded area for stabilization. 11/14/06</p> <p>Continue placing seed, straw, mulch, or stone as a temporary/permanent stabilization measure to reduce exposed soil where work is not actively occurring or not expected to occur for 14 days. 11/14/06</p>	<p>Several exposed areas have been hydroseeded or erosion control mats have been installed.</p> <p>Crushed stone was placed on some finished areas.</p>
Dewatering	No active dewatering was noted at this time. However, evaluate whether turbid water is reaching the raised, protected inlets in the detention basins. 11/14/06	If dewatering is required, pumping must be monitored, or consider alternatives such as a vacuum truck to remove water from site if needed. 11/14/06	NA
Blasting	All blasting was complete as of 9/7/06.	None 11/14/06	NA
Spills, soils and material storage	<p>The remaining soil on site will continue to be used as fill. The remaining stockpile was removed along the old Zolnik driveway and this completes removal of soil from site. 11/14/06</p> <p>Spill cleanup materials were available on site and are being used and restocked as needed. 11/14/06</p>	<p>Soils appear to be handled appropriately. 11/14/06</p> <p>Always use spill control materials when working on equipment and during refueling. 11/14/06</p>	<p>Final stockpile removed.</p> <p>NA</p>
Additional Observations	None. 11/14/06	None. 11/14/06	NA

**Next likely scheduled
inspection:**

Tuesday November 21, 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.

Field Inspector:

Matthew Creighton

Reviewer:

Diana Walden, Stephen Herzog



Old Zolnik entrance at Carpenter Lane. New haybales were added and the area was graded and hydroseeded.



View of Carpenter Lane. Street sweeping was occurring and the stone entrance was reggraded but turbid run-off was still reaching the roadway.



Erosion control mats were installed along steep slopes. Remaining exposed soil surfaces were hydroseeded.



Efforts were made to control the new detention basin inlet until grass cover can establish. However, vegetative cover is not expected prior to the winter and additional controls are recommended to remove turbidity.



New culvert inlet at the ROW access road from Beseck. Haybales were in place to reduce sedimentation.



Culvert outlet installed under the new access road. The road connect the Beseck entrance to the ROW and will be used jointly. A sediment trap will still be needed at the outlet.



Following several large rain events, turbid run-off was again reaching the storm drain outlet across Carpenter Lane. This issue needs immediate attention again to determine the source and control it.



The turbid water had flowed through the haybale barrier and was observed in the wetlands. When this settles out, evaluate whether sediment removal is necessary.