

**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:** October 26, 2006

**Inspector:** Matthew Creighton

**Location:** Beseck Switching Station

**Rainfall:** Total of 0.55” rain from 10/20 – 10/26 with 0.54” on 10/20 (as reported by NOAA at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b>	<b>All traffic leaving the site is using stone entrance on east side. The majority of the sediment and dust accumulated on Carpenter Lane has been removed. 10/26/06</b>	<b>Clean/sweep roadway regularly; clean gutter by hand. Continue to monitor stormwater leaving the site; replace and add more controls as needed. 10/26/06</b>	<b>Most of the sediment was removed from the road. Trucking off site has stopped, reducing sediment tracking.</b>
	<b>Stone access pad was raked out in an attempt to removed accumulated mud as part of the proposed improvements. Trucking/ soil removal from site has ended, reducing tracking potential. 10/26/06</b>	<b>Continue to clean/refresh stone construction entrance. Complete the improvements to the pad as discussed, i.e., grading out the stone pad and installing a berm. 10/26/06</b>	<b>Stone pad was raked out. Improvements are being discussed.</b>
	<b>The minor tracking damage to the road surface has been acknowledged by the contractor and will be repaired at the completion of Phase II at this site. 10/26/06</b>	<b>Additional heavy equipment is expected on site regularly for delivery of electrical equipment. The contractor will repair any and all roadway damage incurred after this work. 10/26/06</b>	<b>This item will be removed from the report until completion of the work.</b>
	<b>Trucks have been entering the site from the new western driveway; no sediment or road damage was noted here. 10/26/06</b>	<b>Monitor road and erosion controls in driveway for sediment accumulation and damage; clean and repair as needed. 10/26/06</b>	<b>Not applicable (NA)</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Haybales remain at the edge of the entrance pad and are placed across the new western site entrance when not in use. 10/26/06</p> <p>New haybales are needed across the old Zolnik driveway. 10/19-10/26/06</p> <p>New steel frames remain in place at the silt barrier liners in CBs in order to hold down the corners of the fabric. 10/26/06</p> <p>A dam or filter product should be used to protect the curb drop inlet portion of the CBs and force water through the inlet protection. 10/19-10/26/06</p> <p>Liners remain in place in CBs across Carpenter Lane. 10/26/06</p>	<p>Continue to be diligent about replacing haybales. 10/26/06</p> <p>Replace haybales as needed. 10/19-10/26/06</p> <p>Continue to monitor and maintain liners as needed. 10/26/06</p> <p>CB dams or similar should be installed within the inlet. 10/19-10/26/06</p> <p>Monitor and replace CB inserts as needed. 10/26/06</p>	<p>NA</p> <p>NA</p> <p>NA.</p> <p>Needs attention</p> <p>NA.</p>
<p>Foundation and site construction</p>	<p>Grading onsite continues in the north, the south side of the site is at or near finish grade. 10/26/06</p> <p>Fence installation will occur along the northeastern and northwestern boundaries of the site. 10/26/06</p>	<p>Erosion controls may need to be adjusted as grading changes. 10/26/06</p> <p>None. 10/26/06</p>	<p>NA</p> <p>NA.</p>
<p>Erosion and sediment controls</p>	<p>Silt fence is secure and well-maintained. South and east sides are reinforced with bark mulch. Two small sections of silt fence have fallen along the eastern edge of the site, no sedimentation noted at this time. 10/26/06</p> <p>Haybales should be installed across old</p>	<p>Continue to inspect and maintain silt fence throughout site and repair these sections. 10/26/06</p> <p>Install haybales as necessary. 10/12-</p>	<p>Needs attention</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Erosion and sediment controls (continued)</b></p>	<p><b>Zolnik driveway as this driveway is not currently being used. Stone berms and the water bar along the drive were disturbed by trucks. 10/12-10/26/06</b></p>	<p><b>10/26/06</b></p>	
	<p><b>The detention basin is complete and filter fabric controls remain in place over and around the drain inlets. 10/26/06</b></p>	<p><b>Monitor permanent detention basins for erosion until the slopes are stabilized. 10/26/06</b></p>	<p>NA.</p>
	<p><b>Sediment has settled out in the storm water pipe outlet and within the wetland. 10/19-10/26/06</b></p>	<p><b>Sediment should be removed from the outlet pipe when feasible. 10/19-10/26/06</b></p>	<p>Needs attention when feasible.</p>
	<p><b>Truck traffic leaving the site has been reduced. Street sweeping should continue to occur as needed. 10/26/06</b></p>	<p><b>Additional controls (new silt liners) are in place along the road; more controls may be needed to prevent turbidity in the wetland. Continue to sweep roadway. 10/19/06</b></p>	<p>Trucking has slowed from site, reducing sedimentation potential.</p>
	<p><b>New silt liners in CB's and other sediment control measures remain in place. The haybales at the outlet pipe are last line of defense but they remain in good shape. 10/26/06</b></p>	<p><b>Methods to control sediment in storm water need to be monitored. Attention should be paid first paid stabilizing of exposed soils, decreasing roadway soil tracking, then to additional drain inlet protection. Contractors are planning to re-work/improve the stone access, which may help. 10/26/06</b></p>	<p>NA</p>
	<p><b>New CBs on site remain protected and covered with filter fabric. Fabric should be replaced as needed if obstructed by sediment. 10/26/06</b></p>	<p><b>Inspect and maintain CB controls as needed. 10/26/06</b></p>	<p>NA</p>
<p><b>Grass growth continues at southern site slope along Carpenter Lane. 10/26/06</b></p>	<p><b>Continue to temporarily stabilize disturbed soil on site where feasible (with mulch or similar). Vegetative cover is not</b></p>	<p>NA</p>	

Areas of Inspection	Observation	Recommended Action	Corrected Action
		expected prior to the winter. 10/26/06	
Inland Wetland and Watercourse encroachment and mitigation	<p>Wetlands across Carpenter Lane were not turbid at this time. The outlet pipe contained standing water with settled sediment in the bottom of the pipe. 10/19-10/26/06</p> <p>Wetlands on east side of site were clean and well protected. 10/26/06</p>	<p>Accumulated sediment in wetland does not appear to warrant removal at this time but continue to evaluate. Sediment in the pipe outlet could be removed. 10/26/06</p> <p>Continue to monitor. See segment 1a report for further information. 10/26/06</p>	<p>Turbidity was not noted in the standing water in the wetlands. Continue to monitor.</p> <p>NA</p>
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 10/26/06	NA
Vegetative clearing or stabilization	Soil stockpiles in the old Zolnik property are vegetated and stable. The northern slope has been hydroseeded and erosion control mats remain in place. Southern slopes are vegetated and stable. 10/26/06	Stockpiles should continue to be located away from the road and drains. Place hay mulch (or similar) for temporary stabilization of any stockpiles that will remain in place for more than 14 days. Vegetative cover is not expected prior to the winter but winter rye may be applied. 10/26/06	NA.
Dewatering	No dewatering was noted at this time. 10/26/06	If dewatering is required, pumping must be monitored, or consider alternatives such as a vacuum truck to remove water from site if needed. 10/26/06	NA
Blasting	<p>All blasting was complete as of 9/7/06.</p> <p>Rock crushing and loam screening are completed and equipment is being moved off site. 10/26/06</p>	<p>None 10/26/06</p> <p>None 10/26/06</p>	<p>NA</p> <p>NA</p>
Spills, soils and material storage	The remaining soil on site will continue to be used as fill. Trucking/removal of soil is complete. 10/26/06	Soils appear to be handled appropriately. 10/26/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>Large expanses of disturbed soil on site will continue to make sediment attenuation difficult at stormwater inlet areas. Any areas that will be unworked for several weeks should be temporarily stabilized. 10/26/06</b></p> <p><b>Spill cleanup materials were available on site and are being used and restocked as needed. 10/26/06</b></p>	<p><b>Consider placing seed, straw, mulch, or stone as a temporary stabilization measure to reduce sediment loads where work is not actively occurring or not expected to occur for 14 days. 10/26/06</b></p> <p><b>Always use spill control materials when working on equipment and during refueling. 10/26/06</b></p>	<p><b>Erosion control mats are being used in some completed areas.</b></p> <p>NA</p>
<b>Additional Observations</b>	NA	NA	NA

**Next likely scheduled inspection:** Tuesday October 31, 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 property entrance at Carpenter Lane. Haybales need to be placed across the driveway.**



**Carpenter Lane has little sediment tracking, roadway should continue to be swept regularly. The stone entrance pad was cleaned. Entrance pad improvements are planned in the near future.**



**Remaining soil removal and grading along the northwestern slope.**



**Southern portion of site, looking from northwest to southeast.**



**Final grading and installation of detention basins above the retaining walls along Carpenter Lane. Controls were in place at the inlets.**



**View of CB inlet protection along Carpenter Lane; dams could be placed at the curb drop inlet portion of the basin to force water through the filter.**



**Sediment continues to settle out in the bottom of the storm drain outlet. New haybales have been installed.**



**View of haybale barrier at the storm drain outlet. No new sediment has entered the wetlands.**