

**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:** September 21, 2006

**Inspector:** Matthew Creighton

**Location:** Beseck Switching Station

**Rainfall:** No precipitation has been reported since the previous inspection for Meriden, CT. However, rainfall reporting by NOAA appears to have been interrupted and incomplete.

<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 truck traffic is using stone entrance on east side. Sediment tracking was observed - mostly dust from trucks leaving the site. Street sweeper was cleaning the roadway during the inspection. Sweeper should use more water; as observable amounts of dust were produced. 9/21/06</b>	<b>Continue to clean/refresh stone construction entrance. Continue to keep Carpenter Lane clear of stone. Use more water while sweeping the streets to reduce dust production. Clean gutter by hand. 9/21/06</b>	<b>Stone continues to be pulled back from roadway and refreshed with new stone. Street sweeping was occurring.</b>
	<b>Small settling area created from recent rains near the stone entrance is used to wash truck tires. 9/21/06</b>	<b>Monitor and clean stone as needed. 9/21/06</b>	<b>Water used to clean truck tires.</b>
	<b>Equipment has done some damage to the road surface. 8/24-9/21/06</b>	<b>Clean and repair road surface as needed. 8/24-9/21/06</b>	<b>Needs attention when feasible</b>
	<b>Haybales remain at the edge of the entrance pad, with small stones at the corners of the catch basins (CBs) to secure the filter fabric. 9/21/06</b>	<b>Continue to monitor the stormwater leaving the site and replace erosion controls as needed. 9/21/06</b>	<b>Haybales are placed across the stone entrance prior to any rain event.</b>
	<b>Silt barrier liners in CBs have been replaced. 9/21/06</b>	<b>Continue to monitor and maintain liners as needed. 9/21/06</b>	<b>Silt liners replaced.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Foundation and site construction</b>	<b>Grading onsite continues; excavation to the north, filling to the south. 9/21/06</b>	<b>Erosion controls may need to be adjusted as grading changes. 9/21/06</b>	NA
	<b>The new storm drain system is in place. Permanent detention basins have not been established. 9/21/06</b>	<b>Contractor continues to make efforts to minimize stormwater impacts; see erosion control section for recommended actions. 9/21/06</b>	NA
<b>Erosion and sediment controls</b>	<b>Silt fence is secure and well-maintained. South and east sides are reinforced with bark mulch. 9/21/06</b>	<b>Continue to inspect and maintain silt fence throughout site and repair as needed. 9/21/06</b>	NA.
	<b>Pumping of the settling area has occurred at night after hours, with pump left on until out of gas. Pumped water is overtaking the haybale controls at the outlet and sediment filled water is flowing around the haybales and into the wetland. 9/21/06</b>	<b>When pumping is needed in the future, monitor closely and do not use pump unattended without monitoring the water leaving the outlet.</b>  <b>Consider use of a vacuum truck/frac tank on site to eliminate this problem all together. 9/21/06</b>	<b>Needs attention and evaluation.</b>
	<b>Haybales at the outlet drain across Carpenter Lane looked secure. Water filtered by the haybales was clear at the time but previous pump overloads had caused turbidity in the wetland. 9/21/06</b>	<b>Sediment should continue to be removed from the outlet pipe and haybales inspected and replaced as needed. 9/21/06</b>	NA
	<b>New CBs remain protected and covered with filter fabric. Fabric should be replaced where pumping from the settling area has left a layer of sediment on the fabric. 9/21/06</b>	<b>Inspect and maintain CB protection 9/21/06</b>	NA
	<b>Temporary settling area remains in the southwest portion of site. 9/21/06</b>  <b>Haybales remain at the</b>	<b>Area currently holds no standing water. 9/21/06</b>  <b>Continue to maintain as</b>	NA  NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Erosion and sediment controls (continued)</b></p>	<p>end of the driveway to prevent sediment from leaving the entrance pad. 9/21/06</p> <p>Haybales installed across old Zolnik driveway look secure. Stone berms were in place along the driveway for added filtration. Water bar on driveway at the tree line along the top of the site is secure. 9/21/06</p> <p>Northern slope was hydroseeded and hay mat rolls were being installed during the inspection. 9/21/06</p> <p>Hydroseed and stabilize slopes along Carpenter Lane. Slope has been fertilized and limed. 9/21/06</p>	<p>necessary. 9/21/06</p> <p>Continue to monitor. 9/21/06</p> <p>Continue to seed and stabilize open and finished areas. 9/21/06</p> <p>Seed remaining areas as soon as possible as recommended fall seeding dates end Oct 15th. 9/21/06</p>	<p>NA</p> <p>Slope was hydroseeded and hay mats installed.</p> <p>Slope has been fertilized and limed but needs seeding.</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>Wetlands on east side of site were clean and well protected. 9/21/06</p> <p>The wetlands across Carpenter Lane have additional sediment accumulation, and outlet pipe was discharging turbid water due to pumping from the settling basin, which continues to overtake haybales at outlet pipe and increase sedimentation in the wetland. 9/21/06</p>	<p>Continue to monitor. 9/21/06</p> <p>Continue to monitor. The wetland sediment accumulation is not extensive at this time, and removal would likely do more harm than good. However, must establish a pumping schedule with monitoring of the outlet for overflow. Do not use pump unattended. Consider using a vac truc/frac tank on site if feasible to eliminate this re-occurring problem. 9/21/06</p>	<p>NA</p> <p>Needs attention and evaluation.</p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p>According to the D&amp;M plan, state-listed species are not located in this work area.</p>	<p>None 9/21/06</p>	<p>NA</p>
<p><b>Vegetative clearing or stabilization</b></p>	<p>All vegetative clearing was complete as of 6/8/06</p>	<p>None 9/21/06</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Grass growth is present at the soil stockpiles along western driveway and in the southeastern area. Growth was also noted on the compacted soil in the old Zolnik property. The northern slope has been hydroseeded and hay mats were being installed. 9/21/06</p> <p>In general, the recommended fall seeding season ends Oct. 15<sup>th</sup>. 9/21/06</p>	<p>Stockpiles should continue to be located away from the road and drains. Place seed for temporary stabilization of any stockpiles that will remain in place for more than 14 days. Consider watering new growth if necessary. 9/21/06</p> <p>Attempt to seed temporarily or permanently inactive areas prior to this date. 9/21/06</p>	<p>Temperatures have cooled and vegetation is growing naturally in some areas.</p> <p>NA</p>
<b>Dewatering</b>	<p>Dewatering of the larger settling basin is occurring at night. Sediment is overflowing into the wetlands. See Erosion control section for details. 9/21/06</p>	<p>Do not leave pump water discharge unattended or consider alternatives such as a vacuum truck to remove water from site if needed. 9/21/06</p>	<p>Needs attention.</p>
<b>Blasting</b>	<p>All blasting was complete as of 9/7/06</p> <p>Rock crushing and loam screening are occurring and materials are being removed or used on site. 9/21/06</p>	<p>None 9/21/06</p> <p>Monitor dust, and moisten soil as needed. 8/17/06-9/21/06</p>	<p>NA</p> <p>NA</p>
<b>Spills, soils and material storage</b>	<p>Several large piles of new soil will be removed from the site. The remaining soil will stay onsite for use as fill. 9/21/06</p> <p>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 stabilized. 9/21/06</p> <p>Spill cleanup materials were available on site and are being used and</p>	<p>Soils appear to be handled appropriately. 9/21/06</p> <p>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. 9/21/06</p> <p>Always use spill control materials when working on equipment and during</p>	<p>NA</p> <p>Hydroseeding and hay mats are being used on completed areas.</p> <p>Spill controls are being used.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>restocked as needed. 9/21/06</b>	<b>refueling 9/21/06</b>	
<b>Additional Observations</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Next likely scheduled inspection:** Thursday September 28, 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



**Crushed stone construction entrance pad with wheel wash area, Carpenter Lane should continue to be cleaned and swept, including the gutters, by hand if necessary.**



**Front slopes along Carpenter Lane have been fertilized and limed, and should be hydroseeded as soon as possible. Recommended seeding time for the fall usually ends Oct 15<sup>th</sup>.**



**Major grading operations looking from northwest to southeast.**



**Detention pond/settling area retaining stormwater run-off.**



**Hydroseeded northern slope with hay mat installation.**



**Street Sweeping along Carpenter Lane. More water is needed to reduce dust production.**



**Sediment-laden water being flushed from the storm drain system and filtered before entering wetlands. Water pumping continues at night without monitoring. Sediment filled water continues to enter the wetland.**



**Sediment-filled standing water in the wetland, sediment continues to accumulate. Pumps should not be left unattended and a better solution is needed.**