

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 12, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: 1.04" rain from 10/6 – 10/11 with 1.02" on 10/11. Additional rain was noted on the day of inspection. (as reported by NOAA at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	All truck traffic leaving the site is using stone entrance on east side. Sediment and dust have accumulated on Carpenter Lane. Sediment laden run-off was flowing from the entrance pad to Carpenter Lane. 10/12/06	Clean/refresh stone construction entrance. Continue to keep roadway clear of stone; Clean/sweep roadway regularly; clean gutter by hand. Continue to monitor stormwater leaving the site; replace and add more controls as needed. 10/12/06	Needs attention: Contractors are discussing improving/re-working the stone pad.
	Equipment has done some damage to the road surface. 8/24-10/12/06	Clean and repair road surface as needed. 8/24-10/12/06	Needs attention when feasible.
	Trucks have been entering the site from the new western driveway; no sediment or road damage was noted here. 10/12/06	Monitor road and erosion controls in driveway for sediment accumulation and damage; clean and repair as needed. 10/12/06	NA
	Haybales remain at the edge of the entrance pad and are placed across the new western site entrance when not in use. 10/12/06	Continue to be diligent about replacing haybales. 10/12/06	NA
	New silt barrier liners were installed in the CBs. New steel frames will be installed to hold down	Continue to monitor and maintain liners as needed. 10/12/06	New silt liners added.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>the corners of the fabric.</p> <p>Liners should also be installed in CBs across Carpenter Lane due to sediment tracking over whole width of street. 10/12/06</p>	<p>Add new CB liners across street. Also see Erosion Control Section 10/12/06</p>	<p>Needs attention</p>
<p>Foundation and site construction</p>	<p>Grading onsite continues; excavation in the north, filling in the south. 10/12/06</p> <p>Construction of permanent detention basins continues. The basin slope adjacent to the site entrance is in place. 10/12/06</p>	<p>Erosion controls may need to be adjusted as grading changes. 10/12/06</p> <p>Monitor new storm water system controls with new grading changes. 10/12/06</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. 10/12/06</p> <p>Section of silt fence was removed along the south side of the site with the construction of the new site entrance. Haybales are placed across the entrance when entrance is not in use. 10/12/06</p> <p>Haybales should be installed across old Zolnik driveway as this driveway is not currently being used. Stone berms and the water bar along the drive were disturbed by trucks, but appear functional. 10/12/06</p> <p>The temporary settling basin has been largely filled in the process of constructing permanent detention basins. Filter fabric controls over and around the drain inlets remain in place. 9/28-10/12/06</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 10/12/06</p> <p>Monitor haybales and repair or replace as needed, and at the end of each day. 10/12/06</p> <p>Continue to maintain as necessary. 10/12/06</p> <p>If pumping of standing water/ drainage basin is needed in the future, monitor closely, and do not leave pump unattended. 9/28-10/12/06</p>	<p>NA</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>Sediment-laden water remains in the pipe and highly turbid water was also present in the wetland. 10/5-10/12/06</p> <p>Haybales at the outlet drain across Carpenter Lane need to be replaced 10/12/06</p> <p>Current BMPs used to prevent sedimentation to the wetland need re-evaluation because sediment continues to enter wetland during rain events. Monitor new silt liners in CB's; consider other sediment and erosion control measures: haybales at outlet pipe are last line of defense and cannot effectively filter the existing sediment load. 10/5-10/12/06</p> <p>New CBs on site remain protected and covered with filter fabric. Fabric should be replaced as needed if obstructed by sediment. 10/12/06</p> <p>New grass growth was noted at southern site slope along Carpenter Lane. 10/12/06</p>	<p>Sediment should continue to be removed from the outlet pipe. Additional controls (new silt liners) are in place along the road; more may be needed to prevent turbidity in the wetland. Replace haybales. 10/12/06</p> <p>New methods to control sediment in storm water need to be evaluated and an effective solution established. Attention should be placed first to stabilization of exposed soils, including roadway soil tracking, then to additional drain inlet protection, flocculants, etc. Contractors are planning to re-work/improve the stone access which may help. 10/12/06</p> <p>Inspect and maintain CB protections as needed. 10/12/06</p> <p>Continue to seed any remaining areas soon – fall seeding should generally be completed by October 15th. 10/12/06</p>	<p>Needs attention.</p> <p>New CB inlet protection installed but still, Needs attention.</p> <p>NA</p> <p>NA</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The wetlands across Carpenter Lane continue to receive additional sediment accumulation and highly turbid water since the last inspection. The outlet pipe contained standing turbid water. These turbidity events are too common; additional controls are needed to</p>	<p>Accumulated sediment in wetland does not warrant removal yet (It will need evaluation after sediment settles out). If more pumping is required on site, monitor pipe outlet to ensure sediment does not bypass haybales. New silt liners were added; more controls are needed</p>	<p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>protect the wetland. 10/5-10/12/06</p> <p>Wetlands on east side of site were clean and well protected. 10/12/06</p>	<p>to prevent sediment from reaching wetland. 10/12/06</p> <p>Continue to monitor. 10/12/06</p>	<p>NA</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&M plan, state-listed species are not located in this work area.</p>	<p>None 10/12/06</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Grass growth was noted on the compacted soil in the old Zolnik property. The northern slope has been hydroseeded and erosion control mats remain in place. Southern slopes show signs of seed germination. 10/12/06</p> <p>In general, the recommended fall seeding season ends Oct. 15th. 10/12/06</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. 10/12/06</p> <p>Attempt to seed temporarily or permanently inactive areas prior to October 15th. 10/12/06</p>	<p>Grass is starting to grow in some seeded areas.</p> <p>NA</p>
<p>Dewatering</p>	<p>If dewatering is required, any pumping must be monitored to prevent sedimentation of wetland. 10/12/06</p>	<p>If dewatering is required, pumping must be monitored, or consider alternatives such as a vacuum truck to remove water from site if needed. 10/12/06</p>	<p>NA</p>
<p>Blasting</p>	<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. 10/12/06</p>	<p>None 10/12/06</p> <p>None 10/12/06</p>	<p>NA</p> <p>NA</p>
<p>Spills, soils and material storage</p>	<p>Several large piles of soil will be removed from the site; remaining soil will be used as fill. 10/12/06</p> <p>Large expanses of disturbed soil on site will continue to make sediment attenuation difficult at stormwater</p>	<p>Soils appear to be handled appropriately. 10/12/06</p> <p>Consider placing seed, straw, mulch, or stone as a temporary stabilization measure to reduce sediment loads where</p>	<p>NA</p> <p>Hydroseeding and hay mats are being used in some completed areas.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>inlet areas. Any areas that will be unworked for several weeks should be stabilized. 10/12/06</p> <p>Spill cleanup materials were available on site and are being used and restocked as needed. 10/12/06</p>	<p>work is not actively occurring or not expected to occur for 14 days. 10/12/06</p> <p>Always use spill control materials when working on equipment and during refueling. 10/12/06</p>	<p>NA</p>
<p>Additional Observations</p>	<p>NA</p>	<p>NA</p>	<p>NA</p>

Next likely scheduled inspection: Thursday October 19, 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



New silt liners installed in catch basins along Carpenter Lane.



Carpenter Lane has observable sediment tracking and the roadway should be swept regularly. The entrance pad should be cleaned and improved. This is planned in the near future.



Erosion control mats were placed along the northern slopes. New perimeter fence is also installed.



Entire site, looking from northwest to southeast.



Final grading and installation of detention basins above the new retaining walls along Carpenter Lane.



New site entrance near old Zolnik driveway.



Turbid water continues to be present in the storm drain outlet.



Wetland continues to receive turbid water from the outlet.