

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 31, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: Total of 2.15" rain 10/27 – 10/31 with 2.03" on 10/28 (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. Most sediment is regularly removed from Carpenter Lane, however, buildup was noted in the gutters. 10/31/06	Clean/sweep roadway regularly. Continue to monitor stormwater leaving the site; replace and add more controls as needed. Clean gutters by hand again.10/31/06	Contractors are discussing improving/re-working the stone pad.
	Stone access pad is clean and free of sediment buildup. Trucking/ soil removal from site has ended, reducing tracking potential. 10/31/06	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	Improvements are being discussed.
	Sediment accumulation, resulting from the rain event was noted at the haybale line at the western driveway. The haybales prevented a majority of sediment from reaching the roadway. 10/31/06	Monitor road and erosion controls in driveway for sediment accumulation and damage; Pull sediment back and stabilize to prevent it potentially overwhelming the controls at the next storm. 10/31/06	Haybales prevented sedimentation to the roadway but proactively maintain the area.
	Haybales remain at the edge of the entrance pad to filter storm water before leaving the site. 10/31/06	Continue to be diligent about replacing haybales. 10/31/06	NA
	New haybales have been	Continue to replace	

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	<p>installed across the old Zolnik driveway as the area is being graded. 10/31/06</p> <p>CB liners have been cleaned and appear to be working well. 10/31/06</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. 10/19-10/31/06</p> <p>Curbing across from the stone entrance has been cut and removed and will be replaced. The curb was damaged from trucks exiting the site. 10/31/06</p> <p>Existing stone entrance is being extended through the site and connected to the existing ROW access. Grading and culvert installation underway. 10/31/06</p>	<p>haybales as needed. 10/31/06</p> <p>Continue to monitor and maintain liners as needed. 10/31/06</p> <p>CB dams or similar should be installed in the inlet to prevent stormwater bypassing CB liner. 10/19-10/31/06</p> <p>Curbing will be installed as soon as possible, before asphalt plants shut down for the winter. 10/31/06</p> <p>Riprap detention pond/sediment trap installation is proposed at the outlet to the culvert to filter water before discharging it off site. 10/31/06</p>	<p>New haybales installed.</p> <p>CB liners were cleaned and replaced.</p> <p>Needs attention</p> <p>Curbing removed, to be fixed this week.</p> <p>Entrance to Carpenter Rd will be used jointly between Beseck and segment 1A contractors.</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. 10/31/06</p> <p>New fencing was installed above the northern slope of the site and more fencing is being installed above the new detention ponds. 10/31/06</p>	<p>Erosion controls may need to be adjusted as grading changes. 10/31/06</p> <p>None. 10/31/06</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. Fallen silt fence was removed to make way for the new ROW access along the eastern edge of the site; no sedimentation at this</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 10/31/06</p> <p>Segment 1A contractors have also installed controls here at the eastern wetland. 10/31/06</p>	<p>NA</p> <p>NA</p>

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<p>Erosion and sediment controls (continued)</p>	<p>time. 10/31/06</p> <p>Haybales have been installed across old Zolnik driveway. 10/31/06</p>	<p>Continue to maintain as necessary. 10/31/06</p>	<p>New haybales installed.</p>
	<p>Filter fabric controls remain in place over and around the drain inlets in the permanent detention basins. 10/31/06</p>	<p>Monitor permanent detention basins for erosion until the slopes are stabilized. Mulch may be needed. 10/31/06</p>	<p>NA</p>
	<p>Sediment has settled in the storm water pipe outlet near the wetland. 10/19-10/31/06</p>	<p>Sediment should be removed from the outlet pipe when feasible. 10/19-10/31/06</p>	<p>Needs attention when feasible.</p>
	<p>Truck traffic leaving the site has been reduced. Sediment has accumulated along the gutters. 10/31/06</p>	<p>Additional controls (new silt liners) are in place along the road; more controls may be needed to prevent turbidity in the wetland. Clean gutters by hand again if necessary. 10/31/06</p>	<p>Trucking has slowed from site, reducing sedimentation potential.</p>
	<p>Monitor new silt liners in CBs and other sediment and erosion control measures: haybales at outlet pipe are last line of defense. 10/31/06</p>	<p>New methods to control sediment in storm water need to be monitored. Attention should be paid first to stabilizing exposed soils, including roadway soil tracking, then to additional drain inlet protection. Contractors are planning to re-work/improve the stone access, which may help. 10/31/06</p>	<p>New silt liners and a reduction in traffic leaving the site have significantly reduced sediment entering the wetland.</p>
	<p>New CBs on site remain protected and covered with filter fabric. 10/31/06</p> <p>Grass growth has slowed at southern site slope along Carpenter Lane; area is stable. 10/31/06</p>	<p>Inspect and maintain CB protections as needed. 10/31/06</p> <p>Continue to seed any remaining areas as soon as possible; the generally-recommended fall seeding season ended October 15th, but seed may still germinate.</p>	<p>NA</p> <p>Area is stable.</p>

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		10/31/06	
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. 10/19-10/31/06</p> <p>Improvements to storm water controls appear to be helping as no additional sediment was noted in the wetlands, including following a 2" rain event on 10/28. 10/31/06</p> <p>Wetlands on east side of site were clean and well protected. 10/31/06</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. New haybales were added. 10/31/06</p> <p>Continue to improve and monitor storm water and sediment controls. 10/31/06</p> <p>Continue to monitor. See segment 1a report for further information. 10/31/06</p>	<p>Turbidity was not noted in the standing water in the wetlands. Continue to monitor.</p> <p>Wetlands have not received turbidity for several weeks.</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 10/31/06	NA
Vegetative clearing or stabilization	<p>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. 10/31/06</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 temporarily stabilized. 10/31/06</p>	<p>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</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. 10/31/06</p>	<p>Several areas have been stabilized for the winter season.</p> <p>NA</p>

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Dewatering	No dewatering was noted at this time. 10/31/06	If dewatering is required, pumping must be monitored, or consider alternatives such as a vacuum truck to remove water from site if needed. 10/31/06	NA
Blasting	All blasting was complete as of 9/7/06. Rock crushing and loam screening are completed and equipment was moved off site. 10/31/06	None 10/31/06 None 10/31/06	NA NA
Spills, soils and material storage	The remaining soil on site will continue to be used as fill. Trucking/removal of soil is complete. 10/31/06 Spill cleanup materials were available on site and are being used and restocked as needed. 10/31/06	Soils appear to be handled appropriately. 10/31/06 Always use spill control materials when working on equipment and during refueling. 10/31/06	NA NA
Additional Observations	None. 10/31/06	None. 10/31/06	NA.

Next likely scheduled inspection: Tuesday November 7, 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 as the area is being graded.



Asphalt curbing will be replaced across Carpenter Lane.



Stone site entrance at Carpenter Lane. Stone is clean of sediment.



New site entrance has a buildup of sediment from the storm this week. Haybales have stopped majority of sediment from reaching Carpenter Lane. Begin to pull this back and stabilize to prevent it overwhelming the controls next rain event.



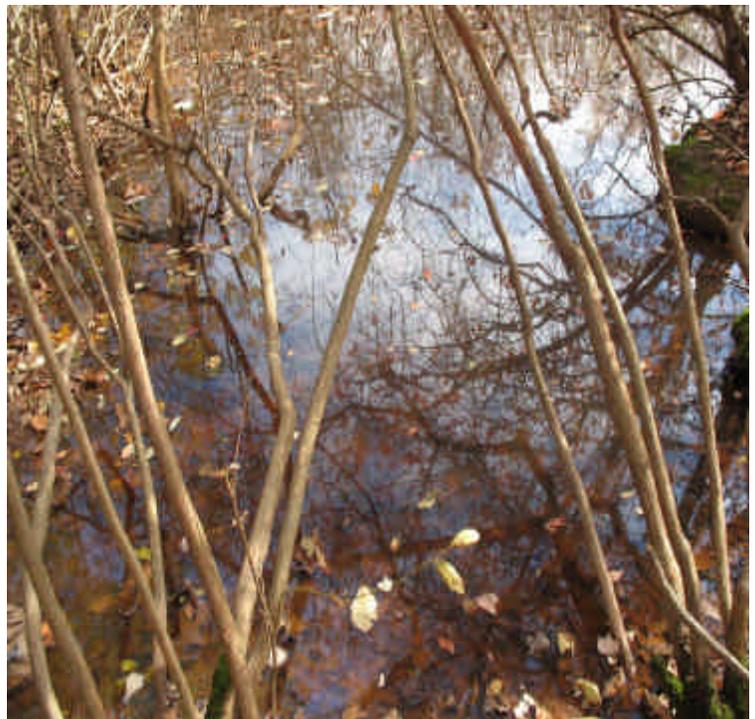
View of final grading of detention basins above the new retaining walls along Carpenter Lane. Fence installation is underway.



A culvert was being installed under the new access road. This connects the Beseck entrance to the ROW and will be used jointly.



Sediment has settled out in the bottom of the storm drain outlet. A good haybale barrier is in place.



No new sediment or turbidity was observed in the wetlands following the rain event.