

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 7, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: Total of 0.25” rain from 11/1 – 11/7 with 0.21” on 11/2 (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. 11/7/06	Clean/sweep roadway regularly. Continue to monitor stormwater leaving the site; replace and add more controls as needed. Clean gutters by hand as needed. 11/7/06	Contractors are discussing improving/re-working the stone pad.
	Stone access pad is mostly clean of sediment buildup. Trucking/ soil removal from site has ended, except for one small pile to be removed, reducing tracking potential from Beseck. 11/7/06	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. 10/26-11/7/06	Improvements are being discussed.
	Existing stone entrance was extended through the site and connected to the existing ROW access road to be used jointly between Beseck and segment 1A contractors. 11/7/06	This area will still require regular attention by all contractors to reduce sediment tracking. 11/7/06	Not Applicable (NA)
	The culvert under the new access road is in place. A riprap sediment trap is still proposed for the outlet. 11/7/06	Install basin/trap at the outlet as soon as feasible to filter water before discharging it off site. 11/7/06	NA
	A new line of silt fence	Monitor road and erosion	Silt fence was installed

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	<p>was being installed behind the haybale line at the western driveway as an additional control for an expected storm. 11/7/06</p> <p>Haybales remain at the edge of the entrance pad to filter storm water before leaving the site. 11/7/06</p> <p>Haybales across the old Zolnik driveway are in good shape; area is being graded, and old stockpile will be removed. 11/7/06</p> <p>CB liners have been cleaned and appear to be working well. 11/7/06</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. 10/19-11/7/06</p> <p>Damaged curbing across from the stone entrance has been removed and replaced. 11/7/06</p>	<p>controls in driveway for sediment accumulation and damage during the next storm event. 11/7/06</p> <p>Continue to be diligent about replacing haybales. 11/7/06</p> <p>Continue to replace haybales as needed. Stabilize area upon completion. 11/7/06</p> <p>Continue to monitor and maintain liners as needed. 11/7/06</p> <p>CB dams or similar should be installed in the inlet to prevent stormwater bypassing CB liner. 10/19-11/7/06</p> <p>None at this time. 11/7/06</p>	<p>proactively for additional control.</p> <p>NA</p> <p>Final grading underway.</p> <p>CB liners were cleaned and replaced.</p> <p>Contractor is researching products.</p> <p>Curbing removed and replaced.</p>
<p>Foundation and site construction</p>	<p>Grading onsite continues in the north. The south side of the site is at finished grade. 11/7/06</p> <p>New fencing was installed above the northern slope of the site and fence installation continues above the new detention ponds. 11/7/06</p> <p>Crushed stone and safety grid (ground wires) were being installed above the new retention ponds. Site will continue to be</p>	<p>Erosion controls may need to be adjusted as grading changes. 11/7/06</p> <p>None. 11/7/06</p> <p>Continue to add crush stone to finished areas for stabilization. This also helps reduce exposed surfaces on site. 11/7/06</p>	<p>NA</p> <p>NA.</p> <p>Crushed stone was added to finished areas.</p>

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	<p>graded and a layer of crushed stone installed. 11/7/06</p>		
<p>Erosion and sediment controls</p>	<p>Silt fence is secure and well-maintained. South and east sides are reinforced with bark mulch. The new ROW access road is in place along the eastern edge of the site; no sedimentation at this time. 11/7/06</p> <p>Haybales remain in good shape across old Zolnik driveway. 11/7/06</p> <p>Filter fabric controls remain in place over and around the drain inlets in the permanent detention basins. 11/7/06</p> <p>Sediment has settled out in the storm water pipe outlet near the wetland. 10/19-11/7/06</p> <p>Truck traffic leaving the site has been reduced. CBs will be pumped out this week. Monitor new silt liners in CBs and other sediment and erosion control measures: 11/7/06</p> <p>Haybales at outlet pipe at the wetland are in good shape but should be considered the last line of defense. 11/7/06</p> <p>New CBs on site remain protected and covered with filter fabric. 11/7/06</p> <p>The southern slopes at the retaining walls along Carpenter Lane appear</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 11/7/06</p> <p>Segment 1A contractors have also installed controls here at the eastern wetland. 11/7/06</p> <p>Continue to maintain as necessary. 11/7/06</p> <p>Monitor permanent detention basins for erosion until the slopes are stabilized. Mulch may be needed. 11/7/06</p> <p>Sediment should be removed from the outlet pipe when feasible. 10/19-11/7/06</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 as needed. 11/7/06</p> <p>New methods to control sediment in storm water need to be monitored. Attention should be paid first to stabilizing exposed soils, then to additional drain inlet protection. 11/7/06</p> <p>Inspect and maintain CB protections as needed. 11/7/06</p> <p>Continue to seed any remaining areas as soon as possible; the generally-</p>	<p>NA</p> <p>NA</p> <p>NA.</p> <p>NA</p> <p>Needs attention when feasible.</p> <p>CBs are scheduled to be cleaned out.</p> <p>New silt liners and a reduction in traffic leaving the site appear to have significantly reduced sediment entering the wetland.</p> <p>NA</p> <p>Area is stable.</p>

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Erosion and sediment controls (continued)	stable with grass cover. Shrubs and plantings were in place as part of the final landscaping here. 11/7/06	recommended fall seeding season ended October 15th, but seed may still germinate. 11/7/06	
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. 10/19-11/7/06</p> <p>Improvements to storm water controls appear to be helping as no additional sediment was noted in the wetlands. 11/7/06</p> <p>Wetlands on east side of site were clean and well protected. 11/7/06</p>	<p>Accumulated sediment in wetland does not appear to warrant removal at this time but continue to monitor. Sediment in the pipe outlet will be removed. Haybales look good. 11/7/06</p> <p>Continue to improve and monitor storm water and sediment controls. 11/7/06</p> <p>Continue to monitor. See segment 1a report for further information. 11/7/06</p>	<p>Turbidity was not noted in the standing water in the wetlands.</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 11/7/06	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. 11/7/06</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. 11/7/06</p> <p>Final landscaping was completed at retaining</p>	<p>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. 11/7/06</p> <p>Continue placing seed, straw, mulch, or stone as a temporary stabilization measure to reduce exposed soil where work is not actively occurring or not expected to occur for 14 days. 11/7/06</p> <p>Continue to landscape completed areas. 11/7/06</p>	<p>Several areas have been stabilized for the winter season.</p> <p>Crushed stone was placed on some finished areas.</p> <p>Final landscaping was noted at finished areas.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	walls along Carpenter Lane 11/7/06		
Dewatering	No dewatering was noted at this time. 11/7/06	If dewatering is required, pumping must be monitored, or consider alternatives such as a vacuum truck to remove water from site if needed. 11/7/06	NA
Blasting	All blasting was complete as of 9/7/06.	None 11/7/06	NA
Spills, soils and material storage	The remaining soil on site will continue to be used as fill. One stockpile remains to be removed along the old Zolnik driveway and rucking/ removal of soil will be complete. 11/7/06	Soils appear to be handled appropriately. 11/7/06	NA
	Spill cleanup materials were available on site and are being used and restocked as needed. 11/7/06	Always use spill control materials when working on equipment and during refueling 11/7/06	NA
Additional Observations	None. 11/7/06	None. 11/7/06	NA

Next likely scheduled inspection: Tuesday November 14, 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 has been replaced across Carpenter Lane.



Stone site entrance at Carpenter Lane. Stone is fairly clean of sediment. Final landscaping was complete along the new retaining walls.



Crushed stone was added to finished areas above the new retention basins. This will also help to reduce exposed surfaces on site.



New ROW access from Beseck at finished grade; new silt fence installed.



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



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 small rain event.