

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: December 19, 2006

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: Total of 0.19" rain 12/12–12/19 with 0.18" on 12/13 (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. Carpenter Lane had some minor sediment accumulation along the gutter. 12/12-12/19/06	Clean/sweep roadway regularly. Continue to maintain stormwater quality from the site. Gutters should be swept by hand. 12/12-12/19/06	Gutters still need attention when feasible.
	Stone access pad is clean. No turbid run-off was noted during this inspection. Turbidity seems to increase with truck traffic for deliveries etc. 12/19/06	Continue to maintain stone construction entrance. Evaluate how to prevent all run-off from reaching the road. Monitor haybales and replace or reposition as needed to filter run-off. Evaluate additional containment methods. 11/20-12/19/06	Continue to evaluate.
	Minor sediment remains at the culvert under the ROW access road. It was well contained within the sediment trap. 12/19/06	This area will still require regular attention by all contractors (BSS and Segment 1A) to reduce sediment tracking. Maintain basin/ traps and haybales at the outlet when necessary. 12/19/06	Not Applicable (NA)
	Controls across the new access drive were removed but exposed soil remains upgradient. 12/19/06	Install controls if feasible or add diversions as needed. Continue to monitor for run-off 12/19/06	Needs evaluation.
	CB liners appear to be	Continue to monitor and	Gutters still need

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	<p>working well. Gutter buddies are in place on the northern side of Carpenter Lane as a dam at the drop inlets to force water through the controls. 12/19/06</p> <p>Haybales had been moved from the old Zolnik Driveway for access last week. 12/19/06</p>	<p>maintain liners as needed. Sediment in the gutters along the roadway should be swept by hand. 12/12-12/19/06</p> <p>Replace haybales across the driveway when feasible to slow stormwater. 12/12-12/19/06</p>	<p>attention when feasible.</p> <p>Needs attention when feasible</p>
<p>Foundation and site construction</p>	<p>Some grading continues. The majority of the site is at finished grade. 12/19/06</p> <p>Fence installation extended to the two entrances and gates have been installed at both entrances. 12/19/06</p> <p>Excavations for foundation work continue within the site. Contractors are setting rebar and pouring concrete. 12/19/06</p>	<p>Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. 12/19/06</p> <p>None. 12/19/06</p> <p>Concrete washouts are being conducted within the excavations. Monitor and control soil stockpiles at new excavations. 12/19/06</p>	<p>NA</p> <p>NA</p> <p>Concrete is contained.</p>
<p>Erosion and sediment controls</p>	<p>Silt fence is secure and well-maintained. South and east sides are reinforced with bark mulch. 12/19/06</p> <p>Sediment was noted at the culvert in the riprap trap at the ROW access road; no sediment was noted leaving the area. 12/19/06</p> <p>Haybales have been removed from the newly graded access drive. 12/19/06</p> <p>Filter fabric and new haybales remain in place over and around the drain inlets in the</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 12/19/06</p> <p>Segment 1A contractors also maintain controls here at the eastern wetland. Continue to monitor. 12/19/06</p> <p>Monitor and add controls as necessary. Exposed soil remains upgradient. 12/19/06</p> <p>Evaluate additional measures during rain events to determine whether turbidity is being</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation.</p> <p>Continue to evaluate during rain events.</p>

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<p>Erosion and sediment controls (continued)</p>	<p>permanent detention basins. However, it appears that stormwater has pooled and overtopped the controls during large rain events in the past, allowing turbid run-off to enter the storm drain. 12/5-12/19/06</p> <p>The storm water outlet pipe at the wetland across Carpenter Lane has standing water with settled sediment at the bottom. Wetland contains standing water with a fine layer of sediment on the leaf litter. 12/5-12/19/06</p> <p>Most exposed soil surfaces on site have been graded and hydroseeded. Erosion control mats are also in place on steeper slopes. 12/19/06</p>	<p>adequately controlled. Alternative sediment controls may still be needed. 12/19/06</p> <p>Haybales should be replaced/repositioned. Stormwater still needs to be filtered better before leaving the site. Determine the source of turbidity, stabilize exposed soils and add controls as necessary. 11/14-12/19/06</p> <p>Continue to temporarily stabilize any remaining areas as soon as possible. Monitor areas for erosion and run-off. 12/19/06</p>	<p>Needs attention and evaluation.</p> <p>NA</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>The wetland and outlet across Carpenter Lane contained standing water with a fine layer of sediment on the leaf litter. This may be difficult to remove but also has the potential to mix into the water column. 12/5-12/19/06</p> <p>Wetlands on east side of site were clean and well protected. 12/19/06</p>	<p>Several areas appear to have minor sediment accumulation. Sediment should be removed from the outlet and adjacent areas when dry. The definite source of turbidity needs to be identified and controlled. 12/5-12/19/06</p> <p>Continue to monitor. This area is also covered by the Segment 1a inspections. 12/19/06</p>	<p>Needs evaluation.</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 12/19/06</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Most exposed soil surfaces around the site have been hydroseeded and erosion control mats</p>	<p>Place hay mulch (or similar) for temporary stabilization, especially on detention basin slopes.</p>	<p>NA</p>

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	<p>are in place on steep slopes. 12/19/06</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 installed. 12/19/06</p>	<p>12/19/06</p> <p>Continue placing seed, straw, mulch, or stone as a temporary or permanent stabilization measure to reduce areas of exposed soil where work is not actively occurring or not expected to occur for more than 14 days. 12/19/06</p>	<p>NA</p>
<p>Dewatering</p>	<p>Some dewatering was needed to remove rainwater from new foundation pits. Water was pumped into the new detention basin. Small eroded gullies were formed as a result on the basin's slopes. 11/20-12/19/06</p> <p>Evaluate whether turbid run-off is overtopping the controls at the detention basin inlets. This may be the source of sediment in the wetland across Carpenter Lane. 11/20-12/19/06</p>	<p>When dewatering is required, pumping must be monitored to avoid formation of gullies or increased sediment in the basins. Regrade and stabilize gullies. Try pumping water against haybales or stone to slow the velocity. 11/20-12/19/06</p> <p>Additional or alternative controls may be needed to prevent turbid water from entering the riser pipes and getting into the storm water system and wetland 11/20-12/19/06</p>	<p>Needs attention when feasible.</p> <p>Needs observation and evaluation during a heavy rain event.</p>
<p>Blasting</p>	<p>All blasting was complete as of 9/7/06.</p>	<p>None 12/19/06</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>All remaining soil on site will be used as fill in construction. 12/19/06</p> <p>A few small stockpiles resulted from the foundation excavations. 11/20-12/19/06</p> <p>Spill cleanup materials were available on site and are being used and restocked as needed. 12/19/06</p>	<p>Soils appear to be handled appropriately. 12/19/06</p> <p>Install controls for the stockpiles where needed. 11/20-12/19/06</p> <p>Always use spill control materials when working on equipment and during refueling 12/19/06</p>	<p>NA</p> <p>NA</p> <p>NA</p>

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Additional Observations	None. 12/19/06	None. 12/19/06	NA

Next likely scheduled inspection: Wednesday December 27, 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 entrance off Carpenter Lane at final grade, erosion controls have been removed. Monitor carefully for run-off.



View of Carpenter Lane and retaining walls. Minor sediment accumulation was noted in the gutters on the north side of the road. This should be swept by hand to prevent entry into the catch basins.



View of site looking from east to west. Foundation installation continues.



Some grass cover was observed on the seeded slopes of the detention basins. Additional/alternative controls are still recommended to prevent turbid water from reaching the inlet.



Replace haybales across the old Zolnik driveway (they had been moved for access). Adjacent areas have been graded and seeded.



View of the culvert under the new access road. Some minor sediment was noted but was well contained in the trap. Beseck and Seg. 1A contractors are jointly sharing the access road.



Storm drain outlet across Carpenter Lane contained settled sediment with clear standing water at the outlet pipe. The haybale configuration could still use some adjustment for better control.



Sediment has settled out in the wetlands across Carpenter Lane, leaving a fine layer on the leaf litter. This may be difficult to remove while standing water is present but it may continue to get mixed into the water column during storms. Evaluate whether any can be removed without causing further harm to the wetland.