

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: January 23, 2007

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: Total of 0.22” rain from 1/17–1/23/07 with 0.21” on 1/18/07 (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 the stone exit on east side. Improvements to the stone access pad and detention swale appear to have resolved run-off issues. Haybales remain at the edge of the pad and no run-off was noted. 1/23/07	Continue to monitor and evaluate during larger storm events. Adjust controls as necessary. Efforts are good. 1/23/07	New detention swale installed, stone pad extended, and haybales replaced.
	Carpenter Lane was free of sediment tracking. Gutters were also clear. 1/23/07	Clean/sweep roadway regularly, including the gutters by hand if necessary. 1/23/07	Gutters were clear of sediment.
	The new access drive near the Old Zolnik driveway remains the entrance for the site. All exposed areas are hydroseeded (including a tackifier). No run-off was noted. 1/23/07	Continue to monitor for run-off. Add/adjust controls as necessary. 1/23/07	Not Applicable (NA)
	Some conduit work was done within the access road and adjacent area. 1/23/07	See erosion control section. 1/23/07	NA
	Catch basin liners and gutter buddies along Carpenter Lane remain in	Continue to monitor and maintain liners and controls. 1/23/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Access roads and adjacent roadways (continued)</p>	<p>good shape. 1/23/07</p> <p>Minor amounts of sediment were observed at the culvert under the ROW access road. All sediment appears well contained within the sediment trap. 1/23/07</p> <p>Haybales remain in place across the old Zolnik Driveway. 1/23/07</p>	<p>This area will still require regular attention by all contractors (BSS and Segment 1A) to reduce sediment tracking. Maintain basin/ trap and haybales at the outlet when necessary. 1/23/07</p> <p>Continue to replace and maintain haybales across the driveway to slow stormwater. 1/23/07</p>	<p>NA</p> <p>NA</p>
<p>Foundation and site construction</p>	<p>Some grading continues. The majority of the site is at finished grade. 1/23/07</p> <p>Excavations for foundation work continue within the site, resulting in small soil stockpiles. Contractors are setting rebar, pouring concrete, and regrading soils. Chain link fence installation also continues. 1/23/07</p>	<p>Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. 1/23/07</p> <p>Concrete washouts are being conducted within the excavations. Continue to monitor and control soil stockpiles at new excavations as needed. 1/23/07</p>	<p>NA</p> <p>NA</p>
<p>Erosion and sediment controls</p>	<p>Silt fence at site perimeter is secure and well-maintained. South and east sides are reinforced with bark mulch. 1/23/07</p> <p>The new access entrance, west side, appears stable and no run-off was noted. 1/23/07</p> <p>A few sections of silt fence were removed or knocked down for workspace during conduit installation along the access road. 1/23/07</p> <p>Filter fabric and haybales remain in place over and</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 1/23/07</p> <p>Monitor and add controls as necessary. Exposed soil remains upgradient. 12/19/06-1/23/07</p> <p>Silt fence should be repaired once work is complete in this area. 1/23/07</p> <p>Continue to monitor and replace haybales as</p>	<p>NA</p> <p>Continue to monitor, and add controls if necessary.</p> <p>Contractors stated silt fence will be repaired when work is complete.</p> <p>Mor haybales were added to the detention</p>

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<p>Erosion and sediment controls (continued)</p>	<p>around the drain inlets in the permanent detention basins. New haybales have been added to the detention basins. 1/23/07</p>	<p>needed within the detention basins. See dewatering section for more information. 1/23/07</p>	<p>basins.</p>
	<p>Any stormwater dewatered from excavations will be pumped to two frac tanks on site and allowed to settle. Water will be retained here or released to the basin CBs when it is clean. 1/23/07</p>	<p>Continue to use frac tanks to reduce stormwater flows within the basins. See dewatering section for more information. 1/23/07</p>	<p>NA</p>
	<p>The detention basins are hydroseeded (including a tackifier) to stabilize soils until grass cover can establish in the spring. Hay mulch remains in the eroded gullies. 1/23/07</p>	<p>Continue to monitor the hydroseeded areas for stabilization. 1/23/07</p>	<p>NA</p>
	<p>Most of the exposed soil surfaces around site are graded and hydroseeded (including a tackifier). Erosion control mats are also in place on steeper slopes. 1/16/07</p>	<p>Continue to temporarily stabilize any remaining areas as soon as possible. Monitor areas for erosion and run-off. 1/23/07</p>	<p>NA</p>
	<p>The storm water outlet pipe at the wetland across Carpenter Lane has several layers of new haybales to help filter turbid water. Sediment within the outlet has settled out of the water column and clean water is leaving the pipe. The sediment is fine and difficult to filter but increased efforts on site appear to have helped. 1/23/07</p>	<p>Haybales should be monitored and replaced as needed at the storm drain outlet. Stormwater should continue to be contained and filtered before leaving the site. Always closely monitor dewatering activities. See dewatering section. 1/23/07</p>	<p>The quality of stormwater remains improved.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Turbid water within the wetland and outlet across Carpenter Lane appears to have settled out of the water column but ice</p>	<p>Several areas have sediment accumulation. Sediment should be removed from the outlet and adjacent areas when</p>	<p>Clear water was flowing through controls.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>cover made evaluation difficult. Clear water was leaving the controls and entering the wetlands. Sediment is extremely fine and difficult to remove or filter. 1/23/07</p> <p>Wetlands on east side of site were clean and well protected. 1/23/07</p>	<p>water levels recede 12/26/06- 1/23/07. It will be evaluated whether the accumulation justifies the minor disturbance required to remove it. 1/23/07</p> <p>Continue to monitor. This area is also covered by the Segment 1a inspections. 1/23/07</p>	<p>Continue to evaluate</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. 1/23/07</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Most exposed soil surfaces around the site which are not currently active are hydroseeded (including a tackifier) to promote stabilization until grass growth can establish in the spring. Hay mulch covers the erosive gullies within detention basins. 1/23/07</p> <p>Erosion control mats are in place on steep slopes. Some areas were at final grade and crushed stone base was installed at work trailer locations. 1/23/07</p>	<p>Continue to place hay mulch (or similar) for temporary stabilization, and closely monitor detention basin slopes. 1/23/07</p> <p>Continue to reduce areas of exposed soil where work is not actively occurring or not expected to occur for more than 14 days (including soil stockpiles). 1/23/07</p>	<p>NA.</p> <p>NA</p>
<p>Dewatering (As of 1/12/07 contractors stated: the detention ponds will be monitored during rain events and spring thaw to ensure that neither pond reaches capacity. Water will be pumped to the larger pond and then to the frac tank if any component of the system is reaching capacity.)</p>	<p>When dewatering is needed to remove rainwater from foundation pits, the turbid water is being pumped into two frac tanks on site in order to settle. Clean water will be released to the controlled CBs within the detention basins onsite. 1/23/07</p>	<p>When dewatering is required, pumping must be monitored to avoid, overwhelming controls, or increasing sediment in the basins. Clean water from the frac tank can be pumped directly into the controlled CBs in the detention basins as long as water is released slowly. This will prevent overwhelming controls and forcing sediment, from the stormwater system into the wetlands at the outlet. 1/23/07</p>	<p>Continue to evaluate controls for effectiveness.</p>

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Dewatering (continued)	The small eroded gullies on the basin slope are mulched with hay until spring when it can be regraded and establish grass cover. 1/23/07	Regrade slopes in the spring. 1/23/07	NA.
	Muddy River, located a distance down gradient from the wetland across Carpenter Lane, is also being monitored. At this time no turbidity from the site appears to have reached Muddy River. 1/23/07	Continue to monitor and evaluate Muddy River during rain events and dewatering activities. Reinforce and improve controls on site as needed. 1/23/07	NA
Blasting	All blasting was complete as of 9/7/06.	None. 1/23/07	NA
Spills, soils and material storage	All remaining soil on site will be used as fill for construction activities. 1/23/07	Soils appear to be handled appropriately. 1/23/07	NA
	A few small stockpiles resulted from the foundation excavations. 1/23/07	Install controls for the stockpiles where/if needed. 11/20/06-1/23/07	NA at this time
	Spill cleanup materials were available on site and are being used and restocked as needed. 1/23/07	Always use spill control materials when working on equipment and during refueling 1/23/07	NA
Additional Observations	Non-project related vehicles used the old access road to the ROW and took out some silt fence. 1/23/07	Although activities were non-project related, repair controls if necessary. 1/23/07	NA

Next likely scheduled inspection:

Tuesday January 30, 2007

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



Site entrance off Carpenter Lane is at final grade; Monitor carefully for run-off and add controls as necessary.



View of Carpenter Lane and retaining walls. Since the improvements were made at the stone pad and along the roadway, sediment tracking and turbid run-off were not issues at this time.



Conduit has been installed within the site entrance and adjacent areas. Repair fallen sections of silt fence once installation process is complete.



Surface areas on site are fully hydroseeded (including a tackifier) in an effort to stabilize soils. Additional haybales were installed at the inlet. Hay mulch was also added to the eroded gullies on the basin slope. No run-off was observed this week.



Haybales were replaced across the old Zolnik driveway. The remaining stockpile and exposed surfaces are hydroseeded (including a tackifier).



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



Sediment has settled out at the storm drain outlet across Carpenter Lane. Clear water was noted flowing through the recently replaced haybales. The additional efforts on site appear to be effective at reducing sediment. Continue to monitor.



Snow and ice cover made conditions difficult to observe in the wetlands across Carpenter Lane. Sediment removal may still be necessary once the water level subsides. It will be evaluated whether the amount of accumulation justifies the minor disturbance to remove it.