

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: February 6, 2007

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: Total of 0.30" precipitation recorded between 1/31–2/6/07, with 0.29" on 2/2/07 (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. 2/6/07	Continue to monitor and evaluate during larger storm events. Adjust controls as necessary Efforts are good. 2/6/07	Not Applicable (NA)
	Carpenter Lane was free of sediment tracking. Gutters were also clear. 2/6/07	Clean/sweep roadway regularly, including the gutters by hand if necessary. 2/6/07	NA at this time (provide regular attention)
	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.. 2/6/07	Continue to monitor for run-off. Add/adjust controls as necessary 2/6/07	NA
	Catch basin liners along Carpenter Lane were in good shape. The torn liner across the roadway has been replaced. Town plowing and sanding of the roadways required removal of gutter buddies	Continue to monitor and maintain liners and controls. Restore gutter buddies when feasible. 2/6/07	The torn CB liner was replaced. Needs regular attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways (continued)	(filter socks). 2/6/07 Minor amounts of sediment were observed at the culvert under the ROW access road. All sediment appears well contained within the sediment trap. 2/6/07	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. 2/6/07	NA
	Haybales remain in place across the old Zolnik Driveway. 2/6/07	Continue to replace and maintain haybales across the driveway to slow stormwater. 2/6/07	NA
Foundation and site construction	Minor grading continues as needed. The majority of the site is at finished grade. 2/6/07	Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. 2/6/07	NA
	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 is almost complete. 2/6/07	Concrete washouts are being conducted within the excavations. Continue to monitor and control soil stockpiles at new excavations as needed. 2/6/07	NA
Erosion and sediment controls	Perimeter silt fence along the south and east sides of the site is secure and well-maintained and reinforced with bark mulch. 2/6/07	Continue to inspect and maintain silt fence throughout site and repair as needed. 2/6/07	NA
	Several sections of silt fence along Carpenter Lane were damaged as a result of the town plowing the roadway. It was repaired to the extent feasible (in frozen conditions). Adjacent area is stable, no erosion noted. 2/6/07	Continue to inspect and maintain silt fence as feasible. 2/6/07	Silt fence was repaired by contractors after damage from non-project related activities.
	The new access entrance, west side, appears stable and no run-off was noted 2/6/07	Monitor and add controls as necessary. Exposed soil remains upgradient. 2/6/07	NA at this time

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<p>Erosion and sediment controls (continued)</p>	<p>Filter fabric and numerous haybales remain in place over and around the drain inlets in the permanent detention basins. 2/6/07</p>	<p>Continue to monitor and replace haybales as needed within the detention basins. See dewatering section for more information. 2/6/07</p>	<p>NA</p>
	<p>Dewatering has not been necessary in the last few weeks due to frozen conditions and lack of larger rain events. 2/6/07</p>	<p>Continue to use frac tanks to reduce stormwater flows within the basins. See dewatering section for more information. 2/6/07</p>	<p>NA</p>
	<p>The detention basins are hydroseeded (including a tackifier) to stabilize soils until grass cover can establish in the spring. Erosion control mats remain in place on steeper slopes. 2/6/07</p>	<p>Continue to monitor the hydroseeded areas for stabilization and temporarily stabilize any remaining areas as soon as possible. 2/6/07</p>	<p>NA</p>
	<p>The storm water outlet pipe at the wetland across Carpenter Lane has several layers of haybales in place to help filter turbid water. Ice was observed within the culvert outlet but sedimentation was not apparent. In general, sediment from the site is very fine and difficult to filter but increased efforts on site appear to have helped. 2/6/07</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. 2/6/07</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 cover made evaluation difficult. Ice was also observed at the outlet pipe so flow was not apparent. Sediment is extremely fine and difficult to remove or</p>	<p>Several areas have sediment accumulation. Sediment should be removed from the outlet and adjacent areas when water levels recede 12/26/06- 2/6/07. It will be evaluated whether the accumulation justifies the minor disturbance required to remove it. 1/23-2/6/07</p>	<p>Ice cover/frozen conditions have helped to temporarily stabilize the area.</p> <p>Continue to evaluate</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>filter. 2/6/07</p> <p>Wetlands on east side of site were clean and well protected. 2/6/07</p>	<p>Continue to monitor. This area is also covered by the Segment 1a inspections. 2/6/07</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. 2/6/07</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. 2/6/07</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. 2/6/07</p>	<p>Continue to place hay mulch (or similar) for temporary stabilization, and closely monitor detention basin slopes. 2/6/07</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). 2/6/07</p>	<p>NA. Site appears temporarily stable with frozen conditions and additional efforts.</p> <p>NA</p>
<p>Dewatering <i>(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.)</i></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. 2/6/07</p> <p>Dewatering has not been necessary in the past few weeks due to lack of rain and frozen ground conditions. 2/6/07</p> <p>The small eroded gullies on the basin slope are mulched with hay until spring when it can be regraded and establish grass cover. 2/6/07</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. 2/6/07</p> <p>Regrade slopes in the spring. 2/6/07</p>	<p>Continue to evaluate controls for effectiveness.</p> <p>Site is frozen and temporarily stable.</p> <p>NA</p>

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Dewatering (continued)	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. 2/6/07	Continue to monitor and evaluate Muddy River during rain events and dewatering activities. Reinforce and improve controls on site as needed. 2/6/07	NA
Blasting	All blasting was complete as of 9/7/06.	None. 2/6/07	NA
Spills, soils and material storage	All remaining soil on site will be used as fill in construction activities. 2/6/07	Soils appear to be handled appropriately. 2/6/07	NA
	A few small stockpiles resulted from the foundation excavations. 11/20/06-2/6/07	Install controls for the stockpiles where/if needed. 11/20/06-2/6/07	NA
	Spill cleanup materials were available on site and are being used and restocked as needed. 2/6/07	Always use spill control materials when working on equipment and during refueling 2/6/07	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 February 13, 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; erosion controls are intact along the driveway. Monitor carefully for run-off.



View of Carpenter Lane and retaining walls. Sand accumulation was noted along the gutters from town plows and sanders but is not a result of the project. Gutter buddies were removed from the catch basins during plowing but liners are in place.



View of foundation installation looking south to north across the site.



Surface areas on site are temporarily stabilized with tackified hydroseed and as a result of freezing temperatures. Haybales are in place at the inlet and no run-off was noted this week.



Haybales were placed across the old Zolnik driveway. The remaining stockpile and exposed surfaces are temporarily stabilized with hydro-seed and as a result of freezing temperatures.



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 appears to have settled out at the storm drain outlet across Carpenter Lane. Ice was observed in the culvert but sedimentation was not apparent. The additional efforts on site appear to be effective at reducing sediment. Continue to monitor.



Snow and ice cover made observation difficult 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.