

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: May 15, 2007

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: 0.08” of precipitation was recorded in the week prior to inspection, with 0.05” reported on 5/12 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Turbid run-off was not observed leaving the site egress to the east during this week's inspection. 5/15/07	Continue to monitor and evaluate during larger storm events. Adjust controls as needed. 5/15/07	No issues noted but needs additional stabilization or containment in heavy rains
	Haybales, clean stone and check dams remain along the western site entrance. It was mostly well controlled and continues to be used for temporary parking of personal vehicles. No run-off was noted here. 5/15/07	Continue to monitor and evaluate during larger storm events. It is currently well controlled. 5/15/07	Not Applicable (NA)
	The stone access east of Beseck remains in place to reduce tracking to the main pad. 5/15/07	Continue to maintain and work out schedule with 1A contractors to share responsibility. 5/15/07	NA
	The sediment trap at the culvert under the ROW access road is dry and contains filtered sediment. 5/15/07	This control works well for smaller storms. For future rain events, slow and filter water within the drainage ditch before it flows into the basin. 5/15/07	Needs proactive attention when feasible
	The haybales at the edge of the eastern site exit should be replaced. 5/15/07	Continue to monitor and adjust controls and replace haybales as needed. 5/15/07	Needs proactive attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Access roads and adjacent roadways (continued)</p>	<p>Gutters along Carpenter Lane are largely clean of accumulated sediment. 5/15/07</p> <p>CB liners and gutter buddies (filter socks), along Carpenter Lane, are being maintained as needed. 5/15/07</p> <p>The CB within the entrance drive cannot be sealed yet so a drainage ditch remains in place prevent turbid water from flowing into the storm-water system. 5/15/07</p>	<p>Clean/sweep roadway regularly, including the gutters by hand if necessary. 5/15/07</p> <p>Clean and maintain liners as needed. 5/15/07</p> <p>CB will be sealed during final grading. Continue to monitor existing controls. 5/15/07</p>	<p>Gutters have been cleaned.</p> <p>NA</p> <p>NA</p>
<p>Foundation and site construction</p>	<p>Minor grading continues as needed. The majority of the site is at finished grade. Stone has been placed in areas where foundations were complete. 5/15/07</p> <p>Stone was added at the southwestern corner of the site and a new building was installed. 5/15/07</p> <p>Excavations for foundation work continue within the site, resulting in small soil stockpiles. Contractors are setting rebar, pouring concrete, regrading soils, and installing frames and steel structures. 5/15/07</p>	<p>Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. 5/15/07</p> <p>None. 5/15/07</p> <p>Concrete washouts are being conducted within the excavations. Continue to monitor and control soil stockpiles at new excavations as needed. 5/15/07</p>	<p>NA</p> <p>NA</p> <p>NA</p>
<p>Erosion and sediment controls</p>	<p>Perimeter silt fence along the east side of the site is secure and well-maintained. 5/15/07</p> <p>Silt fence along Carpenter Lane was removed and adjacent soil was graded. 5/15/07</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 5/15/07</p> <p>The remaining exposed soil resulting from silt fence removal should be seeded. 5/15/07</p>	<p>NA</p> <p>Silt fence removed and the area was graded. Seed should be added.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Filter fabric and numerous haybales remain in place over and around the drain inlets in the permanent detention basins. Small amounts of run-off were noted within the basins. 5/15/07</p> <p>Sparse, patchy vegetation is coming in on the basin slopes but some areas remain mostly bare. 5/15/07</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. Water within the outlet and flowing into the wetlands is clear. In general, sediment from the site is very fine and difficult to filter but efforts continue to be made onsite to reduce turbid run-off. 5/15/07</p>	<p>Continue to monitor and replace haybales as needed within the detention basins. Removed sediment from controls to maintain effectiveness as needed. 5/15/07</p> <p>Consider adding more seed to the basin slopes and other patchy areas for further stabilization. 5/15/07</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 to the extent possible. Continue addressing stormwater issues at the source. Good efforts were made on site to reduce run-off. Stone check dams along Carpenter Ln. should be considered to help reduce turbid run-off from entering the CBs. 5/15/07</p>	<p>NA</p> <p>Needs additional attention when feasible.</p> <p>Water at the storm drain outlet and within the wetland is clear.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Clear water was observed leaving the outlet across Carpenter Lane and entering wetlands. 5/15/07</p> <p>The drainage ditch (north side of the site) and culvert under the ROW access was dry. 5/15/07</p>	<p>Several areas in the wetland have sediment accumulation. Sediment should be removed from the outlet and adjacent areas when water levels recede 12/26/06- 5/15/07. It will be evaluated whether the accumulation justifies the minor disturbance required to remove it. 1/23-5/15/07</p> <p>Add controls along the drainage ditch to slow and filter run-off before leaving the site. 5/15/07</p>	<p>Continue to evaluate and add controls as needed.</p> <p>NA.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Additional work in the wetlands to the south and east of Beseck are covered in other project reports. 5/15/07</p>	<p>See Segment 1a or 2a inspection reports for more details. 5/15/07</p>	<p>Not jurisdictional to this D&M plan.</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>Several different species of frogs, turtles, and salamanders have been noted in wetlands south of Carpenter Ln, this spring and last year. 5/15/07</p>	<p>None. 5/15/07</p> <p>Although these species were not state-listed, it indicates good habitat. Continue to make good efforts to reduce impacts to these wetlands to the extent possible. 5/15/07</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Most exposed soil surfaces around the site, which are not currently active, were hydroseeded (including a tackifier) last winter to promote stabilization. Patchy grass growth is beginning to establish. This includes the slopes of the detention basins. 5/15/07</p> <p>New shrubs were being installed along the banks around the detention ponds. 5/15/07</p> <p>Erosion control mats are in place on steep slopes. Patchy grass growth was also noted here but additional seed may be necessary for full cover. 5/15/07</p>	<p>Monitor site closely, especially during heavy rains. Regrade any erosion (gullies) and consider placing additional seed in areas with patchy vegetation to promote further stabilization. 5/15/07</p> <p>Continue to stabilize and landscape areas as soon as possible. Consider adding more seed for ground cover around shrubs. 5/15/07</p> <p>Consider applying additional seed in this area to promoted vegetative cover. 5/15/07</p>	<p>Patchy grass growth continues but consider adding more seed.</p> <p>Shrubs were being planted during inspection.</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.</p>	<p>Two frac tanks onsite have pumped clean water directly to the detention basin inlets, which filters back into the wetlands. Clear water in the outlet shows the water is being released carefully and is</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 tanks can be pumped directly into the</p>	<p>Continue to evaluate controls for effectiveness. The activities were well-controlled at this time.</p> <p>Clean water is being pumped back into the</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<i>Water will be pumped to the larger pond and then to the frac tank if any component of the system is reaching capacity.)</i>	not disturbing sediment in the outlet. 5/15/07 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. 5/15/07	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. 5/15/07 Continue to monitor and evaluate Muddy River during rain events and dewatering activities. Reinforce and improve controls on site as needed. 5/15/07	controls in the detention basins. NA
Blasting	All blasting was complete as of 9/7/06.	None. 5/15/07	NA
Spills, soils and material storage	All remaining soil on site will be used as fill in construction activities. 5/15/07 A few small stockpiles resulting from the foundation excavations remain. 11/20/06-5/15/07 Spill cleanup materials were available on site and are being used and restocked as needed. 5/15/07	Soils appear to be handled appropriately. 5/15/07 Install controls for the stockpiles where/if needed. 11/20/06-5/15/07 Always use spill control materials when working on equipment and during refueling 5/15/07	NA NA NA
Additional Observations			

Next likely scheduled inspection:

Tuesday May 22, 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, BSC Group

Reviewer: Diana Walden, BSC Group



Site entrance off Carpenter Lane is at final grade. Stone base and stone check dams remain in place



Silt fence was removed along Carpenter Lane. Apply seed to any exposed soil resulting from the removal.



View of the entire site from the southeast corner looking north.



Haybales and controls remain in place at the inlet of the detention basin. Sediment from stormwater run-off has settled in the basin. Consider adding more seed here for further stabilization.



A new building was in place in the southwestern side of the site. Stone base was also applied to stabilize soil.



View of the eastern site exit and new shrubs being planted along the slope. Consider adding more seed along the slope as well.



Storm drain outlet across Carpenter Lane has clear water flowing through the haybales.



Clear water was observed leaving the haybales and ponding in the wetlands. Evaluate whether the amount of sediment accumulation justifies the minor disturbance needed to remove it, once the water subsides.