

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 22, 2007

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: 0.85” of precipitation was recorded in the week prior to inspection, with 0.65” of the total reported on 5/16 (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. 5/22/07	Continue to monitor and evaluate during larger storm events. Adjust controls as needed. 5/22/07	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. 5/22/07	Continue to monitor and evaluate during larger storm events. It is currently well controlled. 5/22/07	Not Applicable (NA)
	The stone access east of Beseck remains in place to reduce tracking to the main pad. 5/22/07	Continue to maintain and work out schedule with 1A contractors to share responsibility. 5/22/07	NA
	The sediment trap at the culvert under the ROW access road is dry and contains filtered sediment. 5/22/07	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. 5/22/07	Needs proactive attention when feasible.
	The haybales at the edge of the eastern site exit have been removed. 5/22/07	Continue to monitor and adjust controls and replace haybales prior to impending storm events.	Replace haybales until adjacent area is fully stabilized.

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. 5/22/07</p> <p>CB liners and gutter buddies (filter socks), along Carpenter Lane, are being maintained as needed. 5/22/07</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. 5/22/07</p>	<p>5/22/07</p> <p>Clean/sweep roadway regularly, including the gutters by hand if necessary. 5/22/07</p> <p>Clean and maintain liners as needed. 5/22/07</p> <p>CB will be sealed during final grading. Continue to monitor existing controls. 5/22/07</p>	<p>NA.</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. 5/22/07</p> <p>Stone cover and a new building were in place in the southwestern corner of the site. 5/22/07</p> <p>Excavations for foundation work continue within the site, resulting in small soil stockpiles. Contractors are setting rebar, pouring concrete, regrading soils, landscaping and installing frames and steel structures. 5/22/07</p>	<p>Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. 5/22/07</p> <p>None. 5/22/07</p> <p>Continue to monitor and control soil stockpiles at new excavations as needed. 5/22/07</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. 5/22/07</p> <p>Silt fence along Carpenter Lane was removed (week of 5/15) and adjacent soil</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 5/22/07</p> <p>The remaining exposed soil resulting from silt fence removal should be</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>was graded. 5/22/07</p> <p>Filter fabric and numerous haybales remain in place over and around the drain inlets in the permanent detention basins. 5/22/07</p> <p>The accumulated sediment in the basins is being graded and hydroseed is being applied to the basin slopes. 5/22/07</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. Several haybales are degraded and should be replaced. Water within the outlet and flowing into the wetlands is clear. Some sediment was noted within the wetlands from recent storms. 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. 5/22/07</p>	<p>seeded. 5/15-5/22/07</p> <p>Continue to monitor and replace haybales as needed within the detention basins. 5/22/07</p> <p>Continue to bring the area to final stabilization. 5/22/07</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. 5/22/07</p>	<p>NA</p> <p>The basin slopes are being hydroseeded for stabilization.</p> <p>Water at the storm drain outlet was clear but water within the wetland is slightly turbid.</p> <p>Deteriorating haybales need attention.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Clear water was observed leaving the outlet across Carpenter Lane and entering wetlands. Deteriorated haybales were noted at the outlet. Slightly turbid water was noted ponding within the wetlands. 5/22/07</p> <p>The drainage ditch (north side of the site) and</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- 5/22/07. It will be evaluated whether the accumulation justifies the minor disturbance required to remove it. 1/23-5/22/07</p> <p>Add controls along the drainage ditch to slow</p>	<p>Continue to evaluate and add controls as needed. Slightly turbid water in wetland.</p> <p>Replace deteriorated haybales.</p> <p>Basin and drainage ditch were dry.</p>

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	<p>culvert under the ROW access was dry. 5/22/07</p> <p>Additional work in the wetlands to the south and east of Beseck are covered in other project reports. 5/22/07</p>	<p>and filter run-off before leaving the site. 5/22/07</p> <p>See Segment 1a or 2a inspection reports for more details. 5/22/07</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. 5/22/07</p>	<p>None. 5/22/07</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. 5/22/07</p>	<p>NA</p> <p>NA.</p>
<p>Vegetative clearing or stabilization</p>	<p>Exposed soil surfaces around the site, which are not currently active, are being hydroseeded and landscaped to promote vegetative cover. This includes the slopes of the detention basins. 5/22/07</p> <p>New shrubs were being planted along the slopes leading the eastern site exit. 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. 5/22/07</p> <p>Stone cover continues to be added in areas where foundations are completed. 5/22/07</p>	<p>Monitor site closely, especially during heavy rains and continue to make good efforts to stabilize. 5/22/07</p> <p>Continue to stabilize areas as soon as possible. Consider adding more seed for ground cover around shrubs. 5/22/07</p> <p>Continue to stabilize the site. Good efforts are noted. 5/22/07</p>	<p>Hydroseeding and landscaping underway for stabilization.</p> <p>Shrubs were being planted during inspection.</p> <p>Stone added to complete areas.</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</p>	<p>Two frac tanks onsite are used to dewater foundation pits and detention basins as needed. 5/22/07</p> <p>When dewatering 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</p>	<p>Continue to evaluate controls for effectiveness. The activities were well-controlled at this time.</p>

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<p><i>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>required turbid water is pumped into two frac tanks on site in order to settle. Clean water is released to the controlled CBs within the detention basins onsite. 5/22/07</p> <p>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. 5/22/07</p>	<p>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. 5/22/07</p> <p>Continue to monitor and evaluate Muddy River during rain events and dewatering activities. Reinforce and improve controls on site as needed. 5/22/07</p>	<p>NA</p>
<p>Blasting</p>	<p>All blasting was complete as of 9/7/06.</p>	<p>None. 5/22/07</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>All remaining soil on site will be used as fill in construction activities. 5/22/07</p> <p>A few small stockpiles resulting from the foundation excavations remain. 11/20/06-5/22/07</p> <p>Spill cleanup materials were available on site and are being used and restocked as needed. 5/22/07</p> <p>One concrete washout was observed in an area without controls. 5/22/07</p> <p>A few small equipment drip stains were noted near the trailers on the stone surface. 5/22/07</p>	<p>Soils appear to be handled appropriately. 5/22/07</p> <p>Install controls for the stockpiles where/if needed. 11/20/06-5/22/07</p> <p>Always use spill control materials when working on equipment and during refueling. 5/22/07</p> <p>Concrete washouts should be conducted within the excavations or controlled area. 5/22/07</p> <p>Drips are minor but continue to monitor equipment regularly and repair as needed. 5/22/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>Needs regular attention</p> <p>Needs regular attention.</p>
<p>Additional Observations</p>			

**Next likely scheduled
inspection:**

Wednesday May 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, 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. Stone is being spread at completed areas for further stabilization.



Haybales and controls remain in place at the inlet of the detention basin. Sediment from run-off has been graded. Crews have started to hydroseed exposed surfaces for final stabilization.



Minor equipment drip stains were noted on the stone near the trails.



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



Storm drain outlet across Carpenter Lane has clear water flowing through the haybales. Degraded haybales should be removed and replaced.



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