

**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:** August 7, 2007

**Inspector:** Matthew Kelly

**Location:** Beseck Switching Station

**Rainfall:** 0.04" of precipitation was recorded in the week prior to inspection, with 0.03" of the total reported on 8/6 (NOAA data at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b>	<b>Evidence of turbid run-off was observed at the outlet of the eastern site egress during this week's inspection. Haybales and additional stone are in place. A concrete block is also here to prevent trucks from driving over the haybales. 8/7/07</b>	<b>Continue to monitor and evaluate during larger storm events. Continue to monitor controls in an attempt to contain and filter the run-off until the site is fully stabilized. Stone should be refreshed as needed 8/7/07</b>	<b>Needs regular attention</b>
	<b>Stone and check dams remain along the western site entrance. The haybale controls at the entrance were partially removed for vehicle access. Washouts were noted along the side of this access. 8/2-8/7/07</b>	<b>Fill and stabilize washout with appropriate material. See erosion control section for more details and recommendations. 8/7/07</b>	<b>Needs regular attention</b>
	<b>The stone access east of Beseck remains in place to reduce tracking to the main pad. 8/7/07</b>	<b>Continue to maintain and work out schedule with 1A contractors to share responsibility. 8/7/07</b>	<b>Not Applicable (NA)</b>
	<b>The sediment trap at the culvert under the ROW access road was dry and sediment accumulation was not an issue at this time. Haybales were in place in the drainage</b>	<b>Continue to monitor the area to determine if the new controls will handle larger rain events effectively. 8/7/07</b>	<b>Continue to monitor</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Access roads and adjacent roadways (continued)</b></p>	<p><b>ditch to slow and filter stormwater as it flows into the basin. 8/7/07</b></p> <p><b>Gutters along Carpenter Lane should be cleaned as sediment has accumulated due to recent heavy rains. CB liners should also be maintained/ replaced. 7/24-8/7/07</b></p> <p><b>The CB within the entrance drive cannot be sealed yet so a drainage ditch remains in place to prevent turbid water from flowing into the storm-water system. 8/7/07</b></p>	<p><b>Clean/sweep roadway regularly, including the gutters by hand if necessary. 7/24-8/7/07</b></p> <p><b>CB will be sealed during final grading. Continue to monitor existing controls. 8/7/07</b></p>	<p><b>Needs regular attention</b></p> <p><b>NA</b></p>
<p><b>Foundation and site construction</b></p>	<p><b>Minor grading continues as needed. The majority of the site is at finished grade. Stone has been placed in areas where foundations were complete. 8/7/07</b></p> <p><b>Excavations for foundation work continue within the site, resulting in small soil stockpiles. Most areas have been covered in stone. Contractors are regrading soils, working on steel structures, installing the perimeter fence, and installing the septic system. 8/7/07</b></p> <p><b>Foundations are in place adjacent to the perimeter of the station for bypass structures as part of the 1A activities. 8/7/07</b></p>	<p><b>Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. 8/7/07</b></p> <p><b>Continue to monitor and control soil stockpiles generated at the new excavations, as needed. 8/7/07</b></p> <p><b>See erosion control section for more detail. 8/7/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Erosion and sediment controls</b></p>	<p><b>Filter fabric and numerous haybales remain in place over and around the drain inlets in the permanent detention basins. Haybales within</b></p>	<p><b>Continue to monitor and replace haybales as needed within the detention basins. Surrounding areas were stable. 8/7/07</b></p>	<p><b>NA</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>the detention basins are deteriorating. 8/7/07</p> <p>A few small washouts were noted on slopes on site despite the establishing vegetative cover. 8/2-8/7/07</p> <p>Haybales remain at the storm water outlet pipe at the wetland across Carpenter Lane. Standing water within the outlet and water flowing into the wetlands was clear. Sediment accumulation was noted within the wetlands from previous storms. Sediment has also settled out and accumulated in the culvert. 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. 8/7/07</p> <p>The old paved driveway, located west of the site, is being broken up and removed. The area will be graded and seeded and controls will be added when grading is complete. 8/7/07</p> <p>A few stockpiles were generated along the slope as a result of the bypass structure foundations and general site construction and perimeter fence installation. 8/7/07</p>	<p>Continue to monitor the site for vegetative cover, until fully stabilized. Repair larger washouts if needed. 8/2-8/7/07</p> <p>Continue to monitor and replace haybales 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. 8/7/07</p> <p>Add controls, hay mulch and seed, once area is graded. Monitor until area is stable. 8/2-8/7/07</p> <p>Ensure that stockpiles are contained, especially along the slope. 8/7/07</p>	<p>Continue to monitor</p> <p>Water within the wetland is mostly clear. Sediment accumulation needs to be evaluated.</p> <p>NA at this time</p> <p>NA at this time</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>Sediment accumulation was noted within the outlet and wetlands across Carpenter Lane. Haybales still don't appear capable of containing all sediment</p>	<p>Several areas in the wetland have sediment accumulation. Sediment should be removed from the outlet and adjacent areas when water levels recede</p>	<p>Continue to evaluate and add controls as needed.</p>

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	<p>during peak flows. 8/7/07</p>	<p>12/26/06- 8/7/07. It will be evaluated whether the accumulation justifies the minor disturbance required to remove it. 1/23-8/7/07</p>	
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&amp;M plan, state-listed species are not located in this work area. 8/7/07</p> <p>Several different species of frogs, turtles, and salamanders have been noted in wetlands south of Carpenter Ln. and east of Beseck this spring and last year. 8/7/07</p>	<p>None. 8/7/07</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. 8/7/07</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Some of the hydroseeded and landscaped areas around site are at the 75% vegetative cover mark. Erosion control mats remain in place on steep slopes. Minor washouts have been noted on the slope located on the western boundary despite the establishing cover. 8/7/07</p> <p>Stone cover continues to be added in areas where foundations are completed. 8/7/07</p>	<p>Monitor site closely, especially during heavy rains and continue to make good efforts to stabilize washouts. Continue to monitor the area for vegetative cover, until fully stabilized. 8/7/07</p> <p>Continue to stabilize the site. Good efforts are noted. 8/7/07</p>	<p>Grass cover is almost fully established in hydroseeded areas. Washouts need attention when feasible</p> <p>Stone added to completed 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 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>One frac tank is onsite used to dewater foundation pits and detention basins as needed. 8/7/07</p> <p>When dewatering is required turbid water is pumped into the frac tank on site in order to settle. Clean water is released to the controlled CBs within the detention basins onsite. 8/7/07</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</p>	<p>NA at this time.</p> <p>NA</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>Muddy River, located 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. 8/7/07</b>	<b>at the outlet. 8/7/07</b>  <b>Continue to monitor and evaluate Muddy River during rain events and dewatering activities. Reinforce and improve controls on site as needed. 8/7/07</b>	
<b>Blasting</b>	<b>All blasting was complete as of 9/7/06.</b>	<b>None. 8/7/07</b>	<b>NA</b>
<b>Spills, soils and material storage</b>	<b>All remaining soil on site will be used as fill in construction activities. 8/7/07</b>  <b>Spill cleanup materials were available on site and are being used and restocked as needed. 8/7/07</b>	<b>Soils appear to be handled appropriately. 8/7/07</b>  <b>Always use spill control materials when working on equipment and during refueling. Basic house keeping should continue to be performed around the site regularly to keep trash from blowing off-site. 8/7/07</b>	<b>NA</b>  <b>NA</b>
<b>Additional Observations</b>	<b>None 8/7/07</b>		

**Next likely scheduled inspection:**           **Tuesday August 14, 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:**           Matt Kelly, BSC Group          

**Reviewer:**           Diana Walden, BSC Group



**Some sediment accumulation remains around the catch basins along Carpenter Rd.**



**Sediment has settled out of the standing water and accumulated at the culvert outlet south of Carpenter Rd.**



**View of the sediment accumulation in the wetland south of Carpenter Rd.**



**Standing water was no longer present in the detention basin. Filtering controls remain in place.**