

**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:** September 4, 2007

**Inspector:** Matthew Creighton

**Location:** Beseck Switching Station

**Rainfall:** 0.01” of precipitation was recorded in the week prior to inspection with the total reported on 9/4 (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 not observed at 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. 9/4/07</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 9/4/07</b>	<b>Needs regular attention</b>
	<b>Stone and check dams remain along the western site entrance. Washouts were noted along the side of this access. 8/2-9/4/07</b>	<b>Fill and stabilize washout with appropriate material. See erosion control section. 8/28/07</b>	<b>Needs regular attention.</b>
	<b>The stone access east of Beseck remains in place to reduce tracking to the main pad. 9/4/07</b>	<b>Continue to maintain and work out schedule with 1A contractors to share responsibility. 9/4/07</b>	<b>Not Applicable (NA)</b>
	<b>Previous access to the west of the site has been re-established by 1A contractors. Soil stockpiles remain along the access. Haybales remain across the site entrance and mulch/seed remain on exposed soils. 9/4/07</b>	<b>Even though work in this area was previously listed as part of Beseck activities, 1A contractors are now responsible for active work here. Please review 1A reports for more information. 9/4/07</b>	<b>NA- Not jurisdictional to this report. Please see 1A reports for details.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Access roads and adjacent roadways (continued)</b></p>	<p>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 ditch to slow and filter stormwater as it flows into the basin. 9/4/07</p> <p>Gutters along Carpenter Lane have been cleaned and CB liners maintained/replaced. 9/4/07</p> <p>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. 9/4/07</p> <p>The two access driveways and areas of Carpenter Lane that were damaged by equipment months ago during active work should be paved prior to the asphalt plants closing this fall. 9/4/07</p>	<p>Continue to monitor the area to determine if the new controls will handle larger rain events effectively. 9/4/07</p> <p>Clean/sweep roadway regularly, including the gutters by hand if necessary. 9/4/07</p> <p>CB will be sealed during final grading. Continue to monitor existing controls. 9/4/07</p> <p>Paving should be completed this fall. 9/4/07</p>	<p>Continue to monitor</p> <p>Gutters were cleaned and liners replaced. Needs regular attention</p> <p>NA</p> <p>Areas of Carpenter Lane were to be revisited when paving occurs on site.</p>
<p><b>Foundation and site construction</b></p>	<p>Minor grading continues as needed. Excavations for foundation work appear complete, small soil stockpiles have been graded and area covered with stone. Contractors continue to work on structures/wiring. 9/4/07</p>	<p>Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. Continue to monitor and control soil stockpiles generated at the new excavations, as needed. 9/4/07</p>	<p>NA</p>
<p><b>Erosion and sediment controls</b></p>	<p>Filter fabric and numerous haybales remain in place over and around the drain inlets in the permanent detention basins. Haybales within the detention basins are deteriorating. Riprap dissipater pads remain at the inlet to the basins.</p>	<p>Continue to monitor and replace haybales as needed within the detention basins, or remove haybales and stabilize the immediate area. Surrounding areas were stable. 9/4/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>9/4/07</b></p> <p><b>A few small washouts were noted on slopes on site despite the establishing vegetative cover. 8/2-9/4/07</b></p> <p><b>Haybales remain at the storm water outlet pipe at the wetland across Carpenter Lane. The outlet and wetlands are dry. Wetlands now have full vegetative cover over the accumulated sediment. Sediment has also settled out and accumulated in the culvert. 9/4/07</b></p> <p><b>Small stockpiles are located on the western site access. Work areas here are shared by Beseck and 1A contractors. 9/4/07</b></p>	<p><b>Continue to monitor the site for vegetative cover, until fully stabilized. Repair larger washouts if needed. 8/2-9/4/07</b></p> <p><b>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. Sediment should be removed from the culvert while the area is dry. Upon finalization of all work upgradient of the receiving outlet, remove haybales and seed the area with a wetland seed mix. 9/4/07</b></p> <p><b>Add controls around stockpile or remove stockpile. Work with 1A contractors to determine responsibility. 9/4/07</b></p>	<p><b>Continue to monitor</b></p> <p><b>Needs maintenance at the culvert during optimal dry weather.</b></p> <p><b>Needs evaluation.</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>Sediment accumulation was noted within the outlet and wetlands across Carpenter Lane. Haybales still don't appear capable of containing all sediment during peak flows. The wetland has revegetated and is stable over the area of accumulated sediment. It appears removal of sediment would cause more disturbance at this point. 9/4/07</b></p>	<p><b>Several areas in the wetland have sediment accumulation as a result of past run-off from the site. Due to the full vegetative cover in the wetlands, it is not advised to remove sediment from the wetlands at this time. When sediment was visible, the area had standing water. Now that the water has receded, vegetative cover is in place. However, sediment accumulation at the culvert should be removed by hand as soon</b></p>	<p><b>Needs attention at the culvert during optimal dry weather.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
		<p>as possible as the drain and wetlands are dry. Upon finalization of all work areas on and adjacent to the site, haybales should be removed and the area seeded with a wetland seed mix. 9/4/07</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. 9/4/07</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. 9/4/07</p>	<p>None. 9/4/07</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. 9/4/07</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. 8/14-9/4/07</p> <p>All grading and landscaping appears complete. 9/4/07</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. Hand seed the sparse areas of vegetation to increase stabilization as needed. 9/4/07</p> <p>Monitor areas for full stabilization. 9/4/07</p>	<p>Grass cover is almost fully established in hydroseeded areas. Washouts need attention when feasible</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</p>	<p>Foundations are complete and no dewatering should be required. 9/4/07</p> <p>Muddy River, located down-gradient from the wetland across Carpenter Lane, is also being monitored. At this time no turbidity from the site</p>	<p>If future storms overwhelm the capacity of the basins, the controls will have to be revisited. 9/4/07</p> <p>Continue to monitor and evaluate Muddy River during rain events and dewatering activities. Reinforce and improve controls on site as</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>
<i>component of the system is reaching capacity.)</i>	<b>appears to have reached Muddy River. 9/4/07</b>	<b>needed. 9/4/07</b>	
<b>Blasting</b>	<b>All blasting was complete as of 9/7/06.</b>	<b>None. 9/4/07</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. 9/4/07</b>	<b>Soils appear to be handled appropriately. 9/4/07</b>	<b>NA</b>
	<b>Spill cleanup materials were available on site and are being used and restocked as needed. 9/4/07</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. 9/4/07</b>	<b>NA</b>
	<b>Two small oil stains/drips were noted in the stone along the western site entrance. 9/4/07</b>	<b>Provide regular maintenance checks on equipment for leaks and clean spills.(This may be a work area for 1A) 9/4/07</b>	<b>May be 1A jurisdictional.</b>
<b>Additional Observations</b>	<b>None 9/4/07</b>		

**Next likely scheduled inspection:** Tuesday September 11, 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 Creighton, BSC Group

**Reviewer:** Diana Walden, BSC Group





**A view of stockpiles along the western access road.**



**Haybales remain in place across the western site access drive.**



**View of the detention basin and sediment trap. Vegetative cover was well established**



**View of the vegetative cover that has established within the wetlands across Carpenter Lane.**