

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: July 10, 2007

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: 1.39" of precipitation was recorded in the week prior to inspection, with 0.77" of the total reported on 7/4 (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. Haybales and a concrete block are in place to prevent trucks from driving over the haybales. 7/10/07	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 cleaned 7/10/07	Not Applicable (NA)
	Clean stone and check dams remain along the western site entrance. A line of haybales remains across the entrance. 7/10/07	See erosion control section for more details and recommendations. 7/10/07	NA
	The stone access east of Beseck remains in place to reduce tracking to the main pad. 7/10/07	Continue to maintain and work out schedule with 1A contractors to share responsibility. 7/10/07	NA
	The sediment trap at the culvert under the ROW access road was dry with accumulated sediment. Haybales were in place in the drainage ditch to slow and filter stormwater as it flows into the basin. 7/10/07	Continue to monitor the area to determine if the new controls will handle larger rain events effectively. 7/10/07	Continue to monitor.
	Gutters along Carpenter	Clean/sweep roadway	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Access roads and adjacent roadways (continued)</p>	<p>Lane should be cleaned and CB liners maintained/replaced. Two CB liners across Carpenter lane have been changed. 7/10/07</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. 7/10/07</p>	<p>regularly, including the gutters by hand if necessary. 7/10/07</p> <p>CB will be sealed during final grading. Continue to monitor existing controls. 7/10/07</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. 7/10/07</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 steel structures. 7/10/07</p> <p>Another foundation has been installed at the northwestern corner of the site, for a bypass structure. A small stockpile was generated. 7/10/07</p>	<p>Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. 7/10/07</p> <p>Continue to monitor and control soil stockpiles at new excavations as needed. 7/10/07</p> <p>Monitor the slope and roadway for run-off. Add more controls as needed to prevent run-off from reaching the road surface. See erosion control section. 7/10/07</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. 7/10/07</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. 7/10/07</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 7/10/07</p> <p>Continue to monitor and replace haybales as needed within the detention basins. 7/10/07</p>	<p>NA</p> <p>NA.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Grass cover was increasing along the slopes and floors of the basins and along the slopes at the eastern site egress. 7/10/07</p> <p>A stockpile was generated during the foundation installation of the bypass structure, north along the access drive. 7/10/07</p> <p>Haybales remain at the storm water outlet pipe at the wetland across Carpenter Lane. Standing water within the outlet is clear and water flowing into the wetlands is clear. Sediment accumulation noted within the wetlands from previous 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. 7/10/07</p>	<p>Continue to monitor the area for vegetative cover, until fully stabilized. 7/10/07</p> <p>Ensure that the stockpile soil remains contained. 7/10/07</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. 7/10/07</p>	<p>Grass cover is almost fully established.</p> <p>Continue to monitor</p> <p>Water at the storm drain outlet and within the wetlands is clear.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Clear water was noted within the outlet and wetlands across Carpenter Lane. Haybales still don't appear capable of containing all sediment during peak flows. 7/10/07</p> <p>Additional work in the wetlands to the south and east of Beseck are covered in other project reports. 7/10/07</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- 7/10/07. It will be evaluated whether the accumulation justifies the minor disturbance required to remove it. 1/23-7/10/07</p> <p>See Segment 1a or 2a inspection reports for more details 7/10/07</p>	<p>Continue to evaluate and add controls as needed.</p> <p>Not jurisdictional to this D&M plan.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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. 7/10/07</p>	<p>None. 7/10/07</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. 7/10/07</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>The exposed soil surfaces around the site, which were hydroseeded and landscaped have increasing vegetative cover. Erosion control mats remain in place on steep slopes. Increased grass growth continues around site and shrubs are in place on slopes. 7/10/07</p> <p>Stone cover continues to be added in areas where foundations are completed. 7/10/07</p>	<p>Monitor site closely, especially during heavy rains and continue to make good efforts to stabilize. Continue to monitor the area for vegetative cover, until fully stabilized. 7/10/07</p> <p>Continue to stabilize the site. Good efforts are noted. 7/10/07</p>	<p>Grass cover is almost fully established in hydroseeded areas.</p> <p>Stone added to complete areas.</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>One frac tank is onsite used to dewater foundation pits and detention basins as needed. 7/10/07</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. 7/10/07</p> <p>Muddy River, located a down-gradient from the wetland across Carpenter Lane, is also being</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. 7/10/07</p> <p>Continue to monitor and evaluate Muddy River during rain events and dewatering activities.</p>	<p>Continue to evaluate controls for effectiveness. The activities were well-controlled at this time.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	monitored. At this time no turbidity from the site appears to have reached Muddy River. 7/10/07	Reinforce and improve controls on site as needed. 7/10/07	
Blasting	All blasting was complete as of 9/7/06.	None. 7/10/07	NA
Spills, soils and material storage	All remaining soil on site will be used as fill in construction activities. 7/10/07	Soils appear to be handled appropriately. 7/10/07	NA
	A few small stockpiles resulting from the foundation excavations remain. 11/20/06- 7/10/07	Install controls for the stockpiles where/if needed. 11/20/06- 7/10/07	NA
	Spill cleanup materials were available on site and are being used and restocked as needed. 7/10/07	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. 7/10/07	NA
Additional Observations	None 7/10/07		

Next likely scheduled inspection: Tuesday July 17, 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



View of the site along the eastern fence. All debris was removed.



View of the eastern site exit at Carpenter Lane. Haybales and a concrete block were in place at the corner of the drive in an effort to contain run-off. Refresh stone as needed.



View of the site from the northeast looking southwest. Many structures are in place and stone is being spread at completed areas for further stabilization.



Haybales and controls remain in place at the inlet of the detention basin. Grass cover continues to establish well in hydroseeded areas and is almost fully stable.



New haybales remain in place across the site entrance at Carpenter Lane.



View of foundation installed for a bypass structure at the north-western corner of the site. Ensure that the stockpile is contained.



Final grading and stone installation along the western edge of the site.



Clear water was observed leaving the haybales and entering the wetlands. The new haybales helped to filter out the sediment. Evaluate whether the amount of sediment accumulation justifies the minor disturbance needed to remove it, once the water subsides.