

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: June 12, 2007

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: 1.00" of precipitation was recorded in the week prior to inspection, with 0.63" of the total on 6/9 (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. Some of the haybales that were removed from the edge of the drive (noted 5/22) have been replaced. A concrete block was also installed to prevent trucks from driving over the haybales. 6/12/07	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 6/12/07	Haybales and a concrete block were added.
	Clean stone and check dams remain along the western site entrance. A line of new haybales were installed across the entrance. 6/12/07	See erosion control section for more details and recommendations. 6/12/07	Not Applicable (NA)
	The stone access east of Beseck remains in place to reduce tracking to the main pad. 6/12/07	Continue to maintain and work out schedule with 1A contractors to share responsibility. 6/12/07	NA
	The sediment trap at the culvert under the ROW access road was full of turbid run-off from the site. Water was contained within the trap. Haybales were added to the drainage ditch to slow	Continue to monitor the area to determine if the new controls will handle larger rain events effectively. 6/12/07	Haybales were added to slow/filter water entering the trap.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Access roads and adjacent roadways (continued)</p>	<p>and filter stormwater flows into the basin. 6/12/07</p> <p>Gutters along Carpenter Lane should be cleaned and CB liners should be maintained/replaced following the recent rain. 6/5-6/12/07</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. 6/12/07</p>	<p>Clean/sweep roadway regularly, including the gutters by hand if necessary. 6/12/07</p> <p>CB will be sealed during final grading. Continue to monitor existing controls. 6/12/07</p>	<p>Needs regular attention</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. 6/12/07</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 6/12/07</p>	<p>Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. 6/12/07</p> <p>Continue to monitor and control soil stockpiles at new excavations as needed. 6/12/07</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. 6/12/07</p> <p>Stone has been placed in areas where foundations were complete. 6/12/07</p> <p>Filter fabric and numerous haybales remain in place over and around the drain inlets in the permanent detention basins. Haybales around</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 6/12/07</p> <p>Continue to monitor the area for vegetative cover, until fully stabilized. 6/12/07</p> <p>Continue to monitor and replace haybales as needed within the detention basins. 6/12/07</p>	<p>NA</p> <p>NA.</p> <p>NA.</p>

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	<p>the outlet are deteriorating. 6/12/07</p> <p>Grass cover was increasing along the slopes and floors of the basins and along the slopes at the eastern site egress. 6/12/07</p> <p>Silt fence that had come undermined and un-toed near the western site entrance last week had been toed back in. 6/12/07</p> <p>New haybales remain at the storm water outlet pipe at the wetland across Carpenter Lane. Standing water within the outlet is turbid as a result of the recent heavy rains, but water flowing into the wetlands is mostly clear. Sediment buildup 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. 6/12/07</p>	<p>Continue to monitor the area for vegetative cover, until fully stabilized. 6/12/07</p> <p>None. 6/12/07</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. 6/12/07</p>	<p>NA</p> <p>Silt fence was toed back in</p> <p>Water at the storm drain outlet is turbid but is filtered well by the new haybales in place.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Turbid water was noted within the outlet across Carpenter Lane but was mostly clear by the time it reached wetlands due to the recently replaced haybales. Haybales still don't appear capable of containing all sediment during peak flows. 6/12/07</p> <p>The culvert/sediment trap (east side of site) under the ROW access road</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- 6/5/07. It will be evaluated whether the accumulation justifies the minor disturbance required to remove it. 1/23-6/12/07</p> <p>Continue to monitor to determine if the controls will filter run-off</p>	<p>Continue to evaluate and add controls as needed.</p> <p>Haybales/controls were added to the drainage ditch.</p>

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	<p>contained turbid water. Haybales were added along the drainage ditch to slow and filter stormwater. 6/12/07</p> <p>Additional work in the wetlands to the south and east of Beseck are covered in other project reports. 6/12/07</p>	<p>effectively. 6/12/07</p> <p>See Segment 1a or 2a inspection reports for more details 6/12/07</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. 6/12/07</p>	<p>None. 6/12/07</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. 6/12/07</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>The exposed soil surfaces around the site, which were recently 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. 6/12/07</p> <p>Stone cover continues to be added in areas where foundations are completed. 6/12/07</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. 6/12/07</p> <p>Continue to stabilize the site. Good efforts are noted. 6/12/07</p>	<p>Grass growth continues to increase around site.</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 pond reaches capacity. Water will be pumped to the larger pond and then</p>	<p>Two frac tanks onsite are used to dewater foundation pits and detention basins as needed. 6/12/07</p> <p>When dewatering is required turbid water is pumped into two frac tanks on site in order to</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 controlled CBs in the detention basins as long</p>	<p>Continue to evaluate controls for effectiveness. The activities were well-controlled at this time.</p>

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<i>to the frac tank if any component of the system is reaching capacity.)</i>	<p>settle. Clean water is released to the controlled CBs within the detention basins onsite. 6/12/07</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. 6/12/07</p>	<p>as water is released slowly. This will prevent overwhelming controls and forcing sediment, from the stormwater system into the wetlands at the outlet. 6/12/07</p> <p>Continue to monitor and evaluate Muddy River during rain events and dewatering activities. Reinforce and improve controls on site as needed. 6/12/07</p>	NA
Blasting	All blasting was complete as of 9/7/06.	None. 6/12/07	NA
Spills, soils and material storage	<p>All remaining soil on site will be used as fill in construction activities. 6/12/07</p> <p>A few small stockpiles resulting from the foundation excavations remain. 11/20/06-6/12/07</p> <p>Spill cleanup materials were available on site and are being used and restocked as needed. 6/12/07</p>	<p>Soils appear to be handled appropriately. 6/12/07</p> <p>Install controls for the stockpiles where/if needed. 11/20/06-6/12/07</p> <p>Always use spill control materials when working on equipment and during refueling 6/12/07</p>	<p>NA</p> <p>NA</p> <p>NA</p>
Additional Observations	None 6/12/07		

Next likely scheduled inspection: Tuesday June 19, 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



Silt fence at entrance off Carpenter Lane has been toed back in.



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



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. Grass cover continues to establish well in the recently hydro-seeded areas.



New haybales were installed across the site entrance at Carpenter Lane.



View of the eastern site exit and shrubs in place along the slope. Grass cover also continues to increase here.



Storm drain outlet across Carpenter Lane has standing turbid water.



Mostly 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.