

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: April 10, 2007

Inspector: Matthew Creighton

Location: Beseck Switching Station

Rainfall: 0.93” of precipitation was recorded in the week prior to inspection, with this entire total reported on 4/4 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	All traffic entering the site is using the entrance on the west side & exiting the site using the driveway on the east side. 4/10/07	Continue to monitor and evaluate during larger storm events. 4/10/07	Not Applicable (NA) West side entrance open.
	The stone access east of Beseck remains in place to reduce tracking to the main pad. 4/10/07	Continue to maintain and work out schedule with 1A contractors to share responsibility. 4/10/07	NA
	The sediment trap at the culvert under the ROW access road is dry and all sediment appears contained. 4/10/07	This area will still require regular attention by all contractors (BSS and Segment 1A) to ensure water does not ever spill-over the trap. Maintain basin/ trap and haybales at the outlet when necessary. 4/10/07	NA
	The haybales at the edge of the eastern site exit have been run over and replacement haybales are needed again. 4/3-4/10/07	Continue to monitor and adjust controls and replace haybales as needed. 4/10/07	Needs attention
	Gutters contained accumulated sand from town snow removal and some sedimentation from	Clean/sweep roadway regularly. Sediment accumulation needs to be removed from the gutters.	Needs attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Access roads and adjacent roadways (continued)</p>	<p>turbid run-off from the site. (noted since 2/27/07). 4/10/07</p> <p>CB liners and gutter buddies (filter socks), along Carpenter Lane, are in place. 4/10/07</p> <p>Haybales were across a portion of the entrance. Haybales were moved to Stone at the entrance & exit is clean. 4/10/07</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. 4/10/07</p>	<p>Remove by hand if necessary. 4/3-4/10/07</p> <p>Clean and maintain liners as needed. Continue to replace gutter buddies as weather permits and remove only for plowing 4/10/07</p> <p>Controls appear to be helping but continue to monitor entrance & exit for run-off and replace haybales as needed. 4/10/07</p> <p>CB will be sealed during final grading. Continue to monitor existing controls. 4/10/07</p>	<p>No issues noted but needs regular attention.</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. 4/10/07</p> <p>Excavations for foundation work continue within the site, resulting in small soil stockpiles. Contractors are setting rebar, pouring concrete, and regrading soils. 4/10/07</p>	<p>Erosion controls may need to be adjusted as grading changes, especially at catch basins on site. 4/10/07</p> <p>Concrete washouts are being conducted within the excavations. Continue to monitor and control soil stockpiles at new excavations as needed. 4/10/07</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. 4/10/07</p> <p>Plows have knocked down the silt fence along Carpenter Lane. Adjacent area is stable, no erosion noted. Repair or remove. 2/27-4/10/07</p>	<p>Continue to inspect and maintain silt fence throughout site and repair as needed. 4/10/07</p> <p>Silt fence should be repaired or removed. (adjacent areas appear stable and are not contributing to turbid run-off). 4/10/07</p>	<p>NA</p> <p>Repair or remove fence as necessary.</p>

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	<p>The site entrance (west side) is open. Controls were installed across part of the entrance. They may be removed during the day and reinstalled each night and during rain events. 4/10/07</p> <p>Filter fabric and numerous haybales remain in place over and around the drain inlets in the permanent detention basins. Sediment accumulation was noted around some haybales but doesn't appear to have entered the stormwater system. 4/10/07</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. Snow and ice within the wetlands has melted and spring peepers can be heard throughout the wetland. Water within the outlet and flowing into the wetlands was clear. In general, sediment from the site is very fine and difficult to filter but increased efforts on site appear to have helped. 4/10/07</p>	<p>Continue to monitor controls for effectiveness. Stabilize remaining areas when feasible. See Access Roads and Adjacent Roadways. 4/10/07</p> <p>Continue to monitor and replace haybales as needed within the detention basins. Removed sediment from controls to maintain effectiveness as needed. See dewatering section for more information. 4/10/07</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. 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. 4/10/07</p>	<p>NA</p> <p>NA</p> <p>All stormwater leaving the site is clear.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Clear water was observed leaving the outlet across Carpenter Lane and entering wetlands. 4/10/07</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- 4/10/07. It will be evaluated whether the accumulation justifies the</p>	<p>Continue to evaluate and add controls as needed.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Additional work in this or wetlands to the east of Beseck are covered in other project reports. 4/10/07</p>	<p>minor disturbance required to remove it. 1/23-4/10/07</p> <p>See Segment 1a or 2a inspection reports for more details. 4/10/07</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>None. 4/10/07</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Most exposed soil surfaces around the site, which are not currently active, were hydroseeded (including a tackifier) last winter to promote stabilization. Patchy grass growth is beginning to establish. This includes the slopes of the detention basins. 4/10/07</p> <p>Erosion control mats are in place on steep slopes. Some areas were at final grade and crushed stone base was installed at work trailer locations. 4/10/07</p>	<p>Continue to place hay mulch (or similar) for temporary stabilization, and closely monitor detention basin slopes. Monitor site closely, especially during warmer temperatures; ground thaw increases potential for sedimentation. Regrade any erosion (gullies) and reseed areas as needed. 4/10/07</p> <p>Continue to reduce areas of exposed soil where work is not actively occurring or not expected to occur for more than 14 days (including soil stockpiles). 4/10/07</p>	<p>Patchy grass growth noted.</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 component of the system is reaching capacity.)</p>	<p>Dewatering discharge from the foundation excavations was observed being pumped into a frac tank during this inspection. 4/10/07</p> <p>When dewatering is required turbid water is pumped into settling tanks on site in order to settle. Clean water is released to the controlled CBs within the detention basins onsite. 4/10/07</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 tanks 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. 4/10/07</p>	<p>Continue to evaluate controls for effectiveness. The activities were well-controlled at this time.</p>

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	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. 4/10/07	Continue to monitor and evaluate Muddy River during rain events and dewatering activities. Reinforce and improve controls on site as needed. 4/10/07	NA
Blasting	All blasting was complete as of 9/7/06.	None. 4/10/07	NA
Spills, soils and material storage	All remaining soil on site will be used as fill in construction activities. 4/10/07	Soils appear to be handled appropriately. 4/10/07	NA
	A few small stockpiles resulting from the foundation excavations remain. 11/20/06-4/10/07	Install controls for the stockpiles where/if needed. 11/20/06-4/10/07	NA
	Spill cleanup materials were available on site and are being used and restocked as needed. 4/10/07	Always use spill control materials when working on equipment and during refueling 4/10/07	NA
Additional Observations	A line of haybales is maintained across the old ROW access to prevent unauthorized use (eg ATVs) and potential run-off. 4/10/07	Monitor haybales and replace as needed. 4/10/07	NA

Next likely scheduled inspection: Tuesday April 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



Haybales at the exit to the site should be replaced again. Minor amounts of fine sediment/dust tracking are still noted but efforts have been good to keep the area controlled.



View of Carpenter Lane and retaining walls. Some sedimentation (as well as sand from town sanders) was noted along the gutters. Larger accumulations of sediment should be removed (by hand if necessary)



View of the entire site standing in the southeast corner, looking northwest.



Haybales and controls remain in place at the inlet of the detention basin. Sediment from run-off was contained effectively the last few weeks.



View of settling tank. Foundation pits were filled with rainwater or meltwater and were being dewatered appropriately to the tank.



View of the culvert and sediment trap under the access road to the ROW. Sediment appears to be contained.



Storm drain outlet across Carpenter Lane has clear water flowing through the haybales. Tree clearing is complete in the wetlands as part of the Segment 2a work.



Clear water was observed leaving the haybales and entering the wetland. Evaluate whether the amount of sediment accumulation justifies the minor disturbance needed to remove it, once the water subsides.