

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.

Segment 1b (Royal Oaks Bypass) Inspection

Date: May 5, 2008

Inspector: Matthew Creighton

Location: Segment 1b (Royal Oaks Bypass)

Rainfall: 0.27" of precipitation was recorded in the week prior to inspection with .013" reported on 5/4 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways Route 17 west (through contractor yard), Rte 17 east.	The permanent access road remains in place east of Rte. 17 and within the contractor receiving yard. 5/5/08	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 5/5/08	Active areas need regular attention
	The old wooden pole remains across the slope off Black Walnut Dr. to prevent vehicles from driving over and damaging the water bar here. 5/5/08	None. 5/5/08	Not Applicable (NA) at this time
	Timber mats have been removed from wetlands in these sections. Some culverts and the permanent access road remain. 5/5/08	Continue to monitor stabilized areas now that restoration is complete. See erosion control section. 5/5/08	NA at this time.
	Slightly turbid water has been noted at the receiving yard during times of heavy traffic and precipitation. Controls remain in place around the pond adjacent to the receiving yard. 5/5/08	See erosion control section for details. Continue to evaluate the source of turbidity noted regularly in the access road crossing. 5/5/08	Controls are in good shape but continue to evaluate.
	New permanent stone access road was in place west of Rte 17 and south of the receiving yard	A culvert or similar is needed at the channel crossing to prevent flooding and erosion of	Channel hydrology will need attention/ culvert installation at a low flow period.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>(north of Little Ln. to structure #24530) where timber mats had been removed. The access road bisects a small channel and a culvert was not installed. This area is flooding and flowing around the access road. 4/14-5/5/08</p> <p>The area from Rte 17 to the edge of the wetlands remains reclaimed with mulch and seed. A gate is in place off Rt 17. 5/5/08</p> <p>The reclaimed areas located from Rte 17 to Little Ln remain graded, and seeded. 5/5/08</p>	<p>the access road and to maintain the hydrology in the currently bisected channel. 4/14-5/5/08</p> <p>Contractors have evaluated this and determined that a culvert will be installed during low flow. 5/5/08</p> <p>Continue to monitor for final stabilization and vegetative cover. Access through here will still be needed in order to maintain hydrology at the crossing. 4/21-5/5/08</p> <p>Monitor this area for run-off and add controls as needed until stable. 5/5/08</p>	<p>Monitor for stabilization.</p> <p>Restoration is complete. Monitor for stabilization.</p>
<p>Foundation and site construction</p>	<p>NA- Final grading complete.</p>	<p>NA</p>	<p>NA</p>
<p>Erosion and sediment controls</p>	<p>A stone road remains in place of timber mats west of Rte. 17 within the wetlands to structure #24530. Channel crossing is flooded and no culvert has been installed (4/14). Floodwaters are flowing around the new access road and into the adjacent stream. 5/5/08</p> <p>Haybales, stone sediment traps, check dams, and/or fiber rolls were used to filter water flowing from the access road east of Rte 17. 5/5/08</p> <p>Pad and edges of the access road remain reclaimed, mulched, and seeded at structure #24531. 5/5/08</p>	<p>Ensure sufficient stabilization or controls following the access road construction. The channel will require a culvert to maintain hydrology. Monitor the new access road for erosion. See access roads section. 4/14-5/5/08 Contractors will return in a drier period. 5/5/08</p> <p>Continue to monitor and stabilize disturbed areas Add/maintain controls as necessary. 5/5/08</p> <p>Add controls as necessary and monitor for erosion and final vegetative cover. 5/5/08</p>	<p>Contractors will be installing a culvert here during a low flow period to reduce additional disturbance.</p> <p>NA at this time</p> <p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Areas west of the Black Walnut Drive entrance remains reclaimed and temporarily stabilized. 5/5/08</p> <p>Controls remain in place at the CSC approved line-pulling area located adjacent to wetlands. Exposed areas remain seeded and mulched and silt fence remains adjacent to the wetlands. 5/5/08</p>	<p>Continue to monitor for final stabilization in the growing season. 5/5/08</p> <p>Monitor this area until final stabilization is achieved. Good controls are in place. Remove the silt fence when applicable. 5/5/08</p>	<p>Monitor stabilization measures for effectiveness.</p> <p>Continue to monitor</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Access road, pads, and timber mats west of Rte 17 and east of Little Ln have been reclaimed. 5/5/08</p> <p>Permanent access road remains through wetlands to reach #24530. However, hydrology in a small channel was bisected. 4/14-5/5/08 The area is flooding and flowing around the new access road, creating some erosion. However conditions are too wet to install a culvert at this time. 5/5/08</p> <p>Access road is in place west of Rte 17 in the receiving yard wetlands. Three streams were crossed with culverts. Controls and mulch are in place adjacent to the roads. 5/5/08</p> <p>One of the streams has a considerable amount of sediment accumulation in the wetlands at the culvert, from off-site erosion and/or turbidity in the adjacent pond.</p>	<p>Monitor newly reclaimed areas until stabilized. 5/5/08</p> <p>Either take the grade of the road down here or install a culvert. Controls may also be needed to prevent run-off. 4/14-5/5/08 Contractors have determined a culvert will be installed but suggest waiting until low flow to prevent further disturbance. 5/5/08</p> <p>Monitor area closely for erosion and run-off. Add controls as needed to prevent road run-off. 5/5/08</p> <p>Although the sediment accumulation does not appear to be project related, consider carefully removing the sediment accumulation in the wetlands to improve</p>	<p>Continue to monitor until stable.</p> <p>Needs regular evaluation.</p> <p>Contractors will be installing a culvert at a low flow period.</p> <p>NA at this time.</p> <p>Needs consideration.</p> <p><i>Contractors stated they will evaluate but may not interfere.</i></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>5/5/08</p> <p>In accordance with the D&M Plan, all work occurring in and around wetlands should be expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. This includes attending to restoration in adjacent upland areas when work is complete. Reclamation is complete along this section of ROW. 5/5/08</p>	<p>conditions. 5/5/08</p> <p>Any additional work needed in and around wetlands should be expedited to allow for final stabilization. 5/5/08</p>	<p>Reclamation is complete in this section.</p> <p>Continue to monitor for final stabilization.</p>
<p>State species of concern, threatened and endangered species.</p> <p><i>According to the D&M plan, state-listed species are not located in this work area.</i></p>	<p>Frogs, tadpoles, turtles and <i>Ambystoma</i> (salamander) egg masses were noted in the small pond within the ROW last spring. These are not state-listed species but do indicate good amphibian breeding habitat. 5/5/08</p>	<p>Work and restoration area complete in this area. 5/5/08</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Restoration was complete west of Rt 17 at the intersection of Little Lane and the upland portion of the access to structure #24530 remains mulched and seeded. 5/5/08</p> <p>Restoration completed from Black Walnut Dr. to Little Lane. 5/5/08</p>	<p>Continue to monitor for final stabilization and vegetative cover. 5/5/08</p> <p>Monitor restored areas for stabilization and add controls as needed. 5/5/08</p>	<p>Continue to monitor.</p> <p>Final restoration complete. Continue to monitor for stabilization in all areas.</p>
<p>Dewatering</p>	<p>Active work associated with dewatering was no longer necessary. 5/5/08</p>	<p>NA 5/5/08</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 5/5/08</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>Contractor receiving yard is set up near Rte. 17 in Middletown for 1A work. Spill kits move from site to site with equipment.</p>	<p>Continue to use and restock materials as needed. 5/5/08</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>5/5/08</p> <p>Monitor equipment closely when working within the Laurel Brook watershed protection area. Any refueling and equipment maintenance should be done outside of the protected area.</p> <p>5/5/08</p> <p>The soil stockpiles noted along this segment have been removed.</p> <p>5/5/08</p>	<p>In general, if a leak is observed, contain it and remove equipment from water department property. Proactively check equipment for leaks when working in the protected area.</p> <p>5/5/08</p> <p>None at this time. 5/5/08</p>	<p>NA at this time.</p> <p>NA</p>
<p>Additional Observations</p>	<p>None. 5/5/08</p>	<p>None. 5/5/08</p>	<p>NA</p>

Next likely scheduled inspection:

Monday May 12, 2008

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



Clear water and new vegetative growth noted in the wetlands adjacent to the contractor yard.



Stock piles and pad were removed/reclaimed at the CSC approved pull site. Controls will remain until final stabilization with vegetative cover occurs.



Water levels remain high at the drainage bisected by the new access road. It appears a culvert will be necessary to maintain flow/hydrology in this area. Contractors have evaluated this area and improvements will likely need to wait until a low flow period to minimize additional disturbance.



Timber mat removal and final grading from Rte 17 to Little Ln is complete. Monitor for final stabilization with vegetative cover.