

**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:** July 30, 2007

**Inspector:** Matthew Kelly

**Location:** Segment 1b (Royal Oaks Bypass)

**Rainfall:** 1.84" of precipitation was recorded in the week prior to inspection, with 1.18" reported on 7/28 (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>Clearing and stone access road construction appears to be complete in most sections at this time. Re-grading activity was noted just east of Rte. 17. 7/30/07</b>	<b>Continue to monitor active work areas and add controls as necessary. See EC section. 7/30/07</b>	<b>Not Applicable (NA)</b>
	<b>Access roads are in place from the existing ROW entrance off Black Walnut Drive; east and west off Rte 17, including within the contractor yard and north of the Little Lane crossing. Stone pads remain in place at all entrances to access roads. 7/30/07</b>	<b>Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 7/30/07</b>	<b>Active areas need regular attention</b>
<b>Route 17 west (through contractor yard), Rte 17 east, access north of Little Lane.</b>	<b>Mats or stone fill remain at the wetland crossings in these sections and culverts were used to cross streams. 7/30/07</b>	<b>Monitor traffic within wetlands continue using timber mats to reduce impacts. Any wetland crossings are temporary and material will have to be removed when work is complete. See erosion control section. 7/30/07</b>	<b>Needs evaluation</b>
	<b>Sediment tracking from foundation work, was noted on timber mats near structure # 24580</b>	<b>Monitor and add controls as needed . Sweep sediment from the timber mats to the extent</b>	<b>Needs evaluation/attention.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>(north of the 1A intersection off Little Ln.) 7/30/07</p> <p>Washouts were noted in the access road stone base near structure # 24539. No resource areas were affected. 7/30/07</p> <p>Grass cover was becoming established in the previously disturbed area connecting two ponds east of Rte 17. 7/30/07</p>	<p>feasible. 7/30/07</p> <p>Although sedimentation to wetlands is not an issue, washouts should be stabilized. 7/30/07</p> <p>Continue to monitor area for final stabilization. Consider placing construction fencing to prevent any future impacts. 7/30/07</p>	<p>Needs proactive attention when feasible.</p> <p>Grass cover is establishing.</p>
<p>Foundation and site construction</p>	<p>Foundation drilling and installation continues in locations from Rte 17 to Black Walnut Dr. 7/30/07</p>	<p>Monitor drilling and concrete pouring closely in sensitive areas. Add controls as needed. 7/30/07</p>	<p>NA</p>
<p>Erosion and sediment controls</p>	<p>Mulch remains along a steep slope, east of Rte. 17 and much of the root system remains in place to stabilize the soil. Some washouts/ gullies were noted on the steep slope as a result of heavy rains (noted 4/16). 7/30/07</p> <p>Culverts and controls are in place along the access road and pads within the receiving yard west of Rte. 17. However, flow from one of the culverts was slightly turbid last week (7/23) and some sediment accumulation was noted. 7/30/07</p> <p>The soils from the foundation drilling that were being stockpiled within the contractor yard within the watershed protection area have been removed. 7/30/07</p>	<p>As construction and soil disturbance progress, add controls where needed. Regrade and seed steep slopes as soon as possible 7/30/07</p> <p>Monitor this area closely as it is located within a protected watershed and ensure that controls are adequate. Evaluate controls and place additional controls downgradient if necessary. 7/30/07</p> <p>When stockpiles are necessary, add controls downgradient and monitor in accordance with the D&amp;M plan. 7/30/07</p>	<p>Needs proactive attention when feasible.</p> <p>Needs evaluation</p> <p>Stockpiles have been removed from the area</p>

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	<p><b>Timber mats are in place for equipment access east/west of Rte. 17. Haybales, stone sediment traps, and/or fiber rolls were used to filter water flowing from the timber mats. 7/30/07</b></p> <p><b>Sediment tracking/accumulation was noted on timber mats west of Rte 17 (near structure # 24580). 7/23-7/30/07</b></p>	<p><b>Continue to monitor and stabilize adjacent areas to avoid sediment tracking and accumulation on the mats. 7/30/07</b></p> <p><b>Clean mats by hand if necessary and remove sediment to the extent feasible to prevent run-off. 7/23-7/30/07</b></p>	<p><b>NA</b></p> <p><b>Needs evaluation and proactive attention.</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>Access road 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 but culvert flow was slightly turbid last week. 7/30/07</b></p> <p><b>Timber mat access road in place in wetlands west of Rte. 17 near Little Ln. Sediment accumulation was noted on mats.7/30/07</b></p> <p><b>The area where equipment had driven through a channel connecting two ponds east of Rt. 17, leaving ruts (noted 5/29) was becoming stable. Water was not noted flowing into the pond within the ROW. 7/30/07</b></p>	<p><b>Monitor area closely for erosion and run-off. Add controls as needed to prevent road run-off. Wetland crossings are temporary and material will have to be removed when work is complete. 7/30/07</b></p> <p><b>See erosion control section. Continue to minimize impacts to the extent possible and add controls as needed. Sediment should be removed. 7/30/07</b></p> <p><b>See access road section for more detail on this area. 7/30/07</b></p>	<p><b>Needs evaluation</b></p> <p><b>Needs evaluation</b></p> <p><b>NA at this time.</b></p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p><b>According to the D&amp;M plan, state-listed species are not located in this work area.</b></p> <p><b>Frogs, tadpoles, turtles and <i>Ambystoma</i> (salamander) egg masses were noted in the small</b></p>	<p><b>None</b></p> <p><b>Continue using separate access points to reduce impacts to the pond. Add controls as necessary</b></p>	<p><b>NA</b></p> <p><b>NA</b></p>

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	<p>pond within the ROW. These are not state-listed species but do indicate good amphibian breeding habitat. 7/30/07</p>	<p>and consider construction fencing to keep equipment back. 7/30/07</p>	
<p><b>Vegetative clearing or stabilization</b></p>	<p>Clearing along the ROW appears largely complete. Crews had actively mulched and/or removed the tree stockpiles along the ROW. This includes clearing via helicopter within the sensitive wetland crossing within the watershed. 7/30/07</p> <p>Minor thinning activities were noted near structure # 24539. 7/30/07</p>	<p>Monitor slopes and wetland for erosion and run-off. Continue to retain the appropriate low growing vegetation and species to the extent feasible in accordance with the D&amp;M Plan. 7/30/07</p> <p>Continue to monitor and add controls as needed. 7/30/07</p>	<p>NA</p> <p>NA</p>
<p><b>Dewatering</b></p>	<p>Dewatering is performed via pump truck as needed. 7/30/07</p>	<p>When dewatering is necessary any detention basins should be monitored twice a week in accordance with the D&amp;M plan. Continue to use adequate containment. 7/30/07</p>	<p>NA</p>
<p><b>Blasting</b></p>	<p>No blasting is proposed at this time. 7/30/07</p>	<p>None</p>	<p>NA</p>
<p><b>Spills, soils and material storage</b></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. 7/30/07</p> <p>Monitor equipment closely when working within the Laurel Brook watershed protection area. Refueling and equipment maintenance should be done outside of the protected area. 7/30/07</p>	<p>Continue to use and restock materials as needed. 7/30/07</p> <p>In general, if a leak is observed, contain it and remove equipment from water department property. Never refuel, repair, or store equipment within water department property. Proactively check equipment for leaks when working in the protected area. 7/30/07</p>	<p>NA</p> <p>NA at this time.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>Equipment was removed from the timber mats within the watershed protection area north of Little Lane. 7/30/07</b>	<b>Store equipment over 100 feet from wetlands whenever feasible. 7/30/07</b>	<b>Equipment was removed from the area</b>
<b>Additional Observations</b>	<b>None</b>	<b>None</b>	<b>NA</b>

**Next likely scheduled inspection:** Monday August 6, 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 Kelly, BSC Group

**Reviewer:** Diana Walden, BSC Group



**Ruts/washouts are occurring along a steep slope in the access road off Black Walnut Drive.**



**Vegetative growth/cover was starting to fill in where the equipment ruts had been created between Rte 17 and Black Walnut Drive. The area was seeded a few weeks ago. Add controls as needed.**



**Environmental controls are in place at the wetland crossing and along the access road near the contract shipping/receiving yard. Monitor flow from the culvert for turbidity and adjust controls as needed.**



**A view of road/pad construction east of Route 17.**