

**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:** August 20, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** 0.45” of precipitation was recorded in the week prior to inspection, with 0.35” of the total reported on 8/17 (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. 8/20/07</b>	<b>Continue to monitor active work areas and add controls as necessary. See EC section. 8/20/07</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. 8/20/07</b>	<b>Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 8/20/07</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. 8/20/07</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. 8/20/07</b>	<b>Needs evaluation</b>
	<b>Sediment tracking from foundation work, was noted on timber mats near structure # 24580 (north of the 1A intersection off Little Ln.)</b>	<b>Monitor and add controls as needed . Sweep sediment from the timber mats to the extent feasible. 8/20/07</b>	<b>Needs evaluation/attention.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>8/20/07</p> <p>Grass cover was becoming established in the previously disturbed area connecting two ponds east of Rte 17. 8/20/07</p>	<p>Continue to monitor area for final stabilization. Consider placing construction fencing to prevent any future impacts. 8/20/07</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. However, no active work was noted this week. 8/20/07</p>	<p>Monitor drilling and concrete pouring closely in sensitive areas. Add controls as needed. 8/20/07</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). 8/20/07</p> <p>Culverts and controls are in place along the access road and pads within the receiving yard west of Rte. 17. Slightly turbid flow was noted the week of 7/23 although issues were not observed since. 8/20/07</p> <p>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. 8/20/07</p> <p>Sediment tracking/ accumulation was noted on timber mats west of Rte 17 (near structure # 24530). 7/23-8/20/07</p>	<p>As construction and soil disturbance progress, add controls where needed. Regrade and seed steep slopes as soon as possible 8/20/07</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. 7/30-8/20/07</p> <p>Continue to monitor and stabilize adjacent areas to avoid sediment tracking and accumulation on the mats. 8/20/07</p> <p>Clean mats by hand if necessary and remove sediment to the extent feasible to prevent run-off. 7/23-8/20/07</p>	<p>Needs proactive attention when feasible.</p> <p>Needs evaluation</p> <p>NA</p> <p>Needs evaluation and proactive attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>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, culvert flow was currently clear. 8/20/07</p> <p>Some equipment ruts were observed in the wetland in this area from 8/6. 8/20/07</p> <p>Timber mat access road in place in wetlands west of Rte. 17 near Little Ln. Sediment accumulation was noted on mats. 7/30-8/20/07</p> <p>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. 8/20/07</p>	<p>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. 8/20/07</p> <p>Continue to limit equipment movement to access roads. Regrade rut as feasible. 8/6-8/20/07</p> <p>See erosion control section. Continue to minimize impacts to the extent possible and add controls as needed. Sediment should be removed. 7/30-8/20/07</p> <p>Continue to monitor. 8/20/07</p>	<p>Needs evaluation</p> <p>Needs evaluation/attention</p> <p>Needs evaluation</p> <p>NA at this time.</p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p>According to the D&amp;M plan, state-listed species are not located in this work area.</p> <p>Frogs, tadpoles, turtles and <i>Ambystoma</i> (salamander) egg masses were noted in the small pond within the ROW. These are not state-listed species but do indicate good amphibian breeding habitat. 8/20/07</p>	<p>None</p> <p>Continue using separate access points to reduce impacts to the pond. Add controls as necessary and consider construction fencing to keep equipment back. 8/20/07</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Vegetative clearing or stabilization</b></p> <p><b>Black Walnut Drive</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. 8/20/07</p> <p>Wood chip piles were noted in the ROW in this area (near the intersection of 1A and 1B) since 8/6. Piles are deeper than 3", inhibiting vegetative growth. 8/20/07</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. 8/20/07</p> <p>Piles need to be either removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 8/20/07</p>	<p>NA</p> <p>Needs attention when feasible</p>
<p><b>Dewatering</b></p>	<p>Dewatering is performed via pump truck as needed. 8/20/07</p>	<p>When dewatering is necessary, any detention basins in the watershed area should be monitored twice a week in accordance with the D&amp;M plan. Continue to use adequate containment. 8/20/07</p>	<p>NA</p>
<p><b>Blasting</b></p>	<p>No blasting is proposed at this time. 8/20/07</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. 8/20/07</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. 8/20/07</p>	<p>Continue to use and restock materials as needed. 8/20/07</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. 8/20/07</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>Additional Observations</b>	<b>None</b>	<b>None</b>	<b>NA</b>

**Next likely scheduled inspection:** Monday August 27, 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 Creighton, BSC Group

**Reviewer:** Diana Walden, BSC Group



**Environmental controls in place along the access road near the shipping and receiving yard.**



**Vegetative growth/cover continues to establish following the permitted clearing along the no access area near the shipping and receiving yard**



**Sediment accumulation was noted on the timber mats within the wetlands at the access off Rte 17. Remove sediment from pads to the extent feasible and monitor controls closely until the site is stabilized.**



**View looking at the Little Lane intersection from access off Rte 17.**