

**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 23, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** 2.24" of precipitation was recorded in the week prior to inspection, with 1.32" reported on 7/19 (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>Traffic is using the existing ROW entrance off Black Walnut Drive and off Rte 17 across from/ within the contractor shipping/ receiving yard and near the Little Lane crossing. Sediment tracking was not observed on the roadways. 7/23/07</b>	<b>Continue to monitor construction entrances and clean/sweep roadways as needed. 7/23/07</b>	<b>Not Applicable (NA)</b>
	<b>Timber mats are in place east of Rte 17 to bring equipment onto the site and reduce sediment tracking onto the roadway.</b>	<b>Monitor and add controls as needed and continue using timber mats to reduce impacts to wetlands. 7/23/07</b>	<b>NA.</b>
	<b>Timber mats are also in place within wetlands north of the 1A intersection off Little Ln. Some sediment tracking was noted on the mats here. 7/23/07</b>	<b>Sweep sediment from the timber mats to the extent feasible.</b>	<b>Needs evaluation/ attention.</b>
	<b>An access road is in place south of the receiving yard off Rte. 17. Sediment tracking was also noted in this section of mats. 7/23/07</b>	<b>Add controls as needed along the access. Remove sediment from mats to the extent feasible in order to prevent run-off. 7/23/07</b>	<b>Needs evaluation/ attention.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Stone access roads remain east off Rte. 17, at 1A/ Black Walnut Dr., and at Little Ln. accesses. Roads continue into the watershed protection area. 7/23/07</p> <p>Stone access road and pad sites were installed within the contractor yard moving west. Access is through wetlands with culverts used to cross streams. Some slightly turbid flow was noted. 7/23/07</p> <p>A piece of equipment has driven through a small channel connecting two ponds east of Rte 17. (noted 5/29). This area had recently been seeded and grass growth was noted. 7/23/07</p>	<p>Monitor and add controls as needed. 7/23/07</p> <p>Monitor traffic within wetlands. Seed as needed to promote stabilization. Any wetland crossings are temporary and material will have to be removed when work is complete. See erosion control section. 7/23/07</p> <p>Monitor area closely for stabilization. See erosion control section. Consider placing construction fencing to prevent any future impacts. 7/23/07</p>	<p>NA at this time</p> <p>Needs evaluation</p> <p>Grass growth noted.</p>
<p>Foundation and site construction</p>	<p>Clearing along ROW, tree removal and chipping, access road and pad site installation all appear complete. 7/23/07</p> <p>Foundation drilling/ installation continues at several different locations, including within the contractor yard and the watershed protection area. Pump trucks were being used during concrete pouring. 7/23/07</p>	<p>Monitor slopes and wetland for erosion and run-off. Add controls as necessary to protect sensitive areas. 7/23/07</p> <p>Continue to monitor drilling and concrete pouring in sensitive areas. Add controls as needed. Continue using pump truck to contain slurry. 7/23/07</p>	<p>NA</p> <p>Pump truck was being used to contain materials.</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). 7/23/07</p>	<p>As construction and soil disturbance progress, add controls where needed. Regrade and seed steep slopes as soon as possible. 7/23/07</p>	<p>Needs proactive attention when feasible</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>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 and some sediment accumulation was noted. 7/23/07</b></p> <p><b>Soils from the foundation drilling are being stockpiled within the contractor yard within the watershed protection area. Controls were not in place. 7/23/07</b></p> <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. 7/23/07</b></p> <p><b>Sediment tracking and accumulation was noted on mats west of Rte 17 and north of Little Lane. 7/23/07</b></p> <p><b>No water was noted flowing into the pond from the previously disturbed area (noted 5/29) between Rte 17 &amp; Black Walnut Drive. Seed had recently been applied and grass growth was noted on the slope. 7/23/07</b></p>	<p><b>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. 7/23/07</b></p> <p><b>Add controls down-gradient from the stockpiles and remove soil as soon as feasible. 7/23/07</b></p> <p><b>Continue to monitor and stabilize adjacent areas to avoid sediment tracking and accumulation on the mats. 7/23/07</b></p> <p><b>Clean mats by hand if necessary and remove sediment to the extent feasible to prevent run-off. 7/23/07</b></p> <p><b>Disturbed area should be regraded to original contours as needed. Controls should be installed to prevent run-off until the area is stable. 7/23/07</b></p>	<p><b>Needs evaluation</b></p> <p><b>Needs attention.</b></p> <p><b>NA.</b></p> <p><b>Needs evaluation and proactive attention.</b></p> <p><b>Grass growth noted.</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>Access road in place west of Rte 17 within 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.</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. See erosion control</b></p>	<p><b>Needs evaluation</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>7/23/07</p> <p>Timber mat access road in place in wetlands west of Rte. 17 near Little Ln. Sediment accumulation was noted on mats. 7/23/07</p> <p>The wetland boundary sign near a pond east of Rt. 17 had been moved to better delineate the resource. 7/23/07</p>	<p>section. 7/23/07</p> <p>Continue to minimize impacts to the extent possible and add controls as needed. Sediment should be removed. See erosion control section. 7/23/07</p> <p>See erosion control section for more detail on this area. 7/23/07</p>	<p>Needs evaluation</p> <p>The boundary sign was moved appropriately.</p>
<p>State species of concern, threatened and endangered species.</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. 7/23/07</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. 7/23/07</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Clearing along the ROW appears 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. 7/23/07</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. 7/23/07</p>	<p>NA</p>
<p>Dewatering</p>	<p>Dewatering is performed via pump truck as needed. 7/23/07</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. 7/23/07</p>	<p>Dewatering was occurring to a pump truck.</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 7/23/07</p>	<p>None</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Spills, soils and material storage</b>	<p><b>Spill kits move from site to site with equipment. 7/23/07</b></p> <p><b>Monitor equipment closely when working within the Laurel Brook watershed protection area. Refueling and equipment maintenance should be done outside of the protected area. 7/23/07</b></p> <p><b>Equipment was parked on timber mats within the watershed protection area near Little Lane. Work appears to have recently finished in the area. 7/23/07</b></p>	<p><b>Continue to use and restock materials as needed. 7/23/07</b></p> <p><b>Always use spill control materials when working on equipment and during refueling. 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 at least once a day for leaks when working in the protected area. 7/23/07</b></p> <p><b>Remove equipment from sensitive areas as soon as work is complete. Store equipment over 100 feet from wetlands whenever feasible. 7/23/07</b></p>	<p><b>NA</b></p> <p><b>NA at this time.</b></p> <p><b>Needs attention.</b></p>
<b>Additional Observations</b>	<p><b>None</b></p>	<p><b>None</b></p>	<p><b>NA</b></p>

**Next likely scheduled inspection:** Monday July 30, 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



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



**Water was no longer flowing into the pond from the equipment ruts created between Rte 17 and Black Walnut Drive. Seed had been applied to the area and some vegetative growth was noted. Add controls as needed.**



**Soils from drilling were being stockpiled near the shipping and receiving yard. Add controls downgradient if the stockpiles will remain or remove as soon as possible.**



**Foundation drilling was occurring within the watershed protection area. Turbid run-off was contained.**



**The water flowing from a culvert installed under the access road near the shipping and receiving yard was slightly turbid. Some minor sediment accumulation was also noted.**



**Foundation installed west of Rte 17 near Little Lane. Equipment was parked on mats within the watershed protection area. Equipment should be relocated as soon as possible. Avoid storage in the protected area.**



**Looking south toward the intersection with 1A work off Little Lane. Some vegetative growth was noted. Remove timber mats from wetlands as soon as work/access is complete to allow vegetative cover to return here.**



**Excess soils/tracking from drilling should be removed from the timber mats to the extent feasible.**