

**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:** June 4, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** 2.24" of precipitation was recorded in the week prior to inspection, with 1.34" on 6/4 (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 in order to access the new section. Sediment tracking was not observed on the roadways. 6/4/07</b>	<b>Continue to monitor construction entrances and clean/sweep roadways as needed. 6/4/07</b>	<b>Not Applicable (NA) New site access installed.</b>
	<b>Timber mats are in place east of Rte 17 to bring equipment onto the site and reduce sediment tracking onto the roadway. 6/4/07</b>	<b>Monitor and add controls as needed and continue using timber mats to reduce impacts to wetlands. 6/4/07</b>	<b>NA</b>
	<b>Stone base access road and pad sites are now in place off Rte. 17 and 1A/Black Walnut Dr. accesses. Roads continue into the watershed protection area. 6/4/07</b>	<b>Monitor and add controls as needed. 6/4/07</b>	<b>NA at this time</b>
	<b>Stone access road being installed within the contractor yard off Rt 17 moving west. Access is through wetlands with culverts used to cross streams. No controls were</b>	<b>Add controls and monitor traffic within wetlands. Any wetland crossings are temporary and material will have to be removed when work is complete. See erosion control</b>	<b>Needs proactive attention.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>in place. 5/29-6/4/07</b></p> <p><b>New access road partially installed south of the receiving yard of Rte. 17. 6/4/07</b></p> <p><b>A piece of equipment has driven through a small channel connecting the two ponds east of Rte 17. (noted 5/29). This area was previously undisturbed as contractors were using two different access points to avoid disturbing this sensitive area. 6/4/07</b></p>	<p><b>section. 5/29-6/4/07</b></p> <p><b>Add controls as needed along the new access. 6/4/07</b></p> <p><b>Regrade impacted area to original contours and stabilize as soon as possible. Although not specified as a no access area in the D&amp;M, construction fencing should be considered to prevent any future impacts due to the habitat provided and the contractor's intent to avoid it. 5/29-6/4/07</b></p>	<p><b>NA at this time.</b></p> <p><b>Needs attention</b></p>
<p><b>Foundation and site construction</b></p>	<p><b>Clearing along ROW, tree removal, and chipping has moved past the contractor yard west of Rt 17. No foundation or line construction underway. Access road installation continues in several locations with stone base applied. 6/4/07</b></p>	<p><b>Monitor slopes and wetland for erosion and run-off. Add controls as necessary to protect sensitive areas. 6/4/07</b></p>	<p><b>NA</b></p>
<p><b>Erosion and sediment controls</b></p>	<p><b>Clearing east of Rte. 17 is complete; Mulch remains along a steep slope 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). 6/4/07</b></p> <p><b>Access road and pad installation complete west of Rte. 17 within the Laurel Brook Watershed Protection Area. Culverts are in place but controls are needed along wetlands. 6/4/07</b></p>	<p><b>As clearing, construction and soil disturbance progress, add controls where needed. Regrade and seed steep slopes as soon as possible 6/4/07</b></p> <p><b>Add controls around work areas and road edges, upgradient from wetlands. Monitor this area closely as it is located within a protected watershed. Minimum impact methods should be used in this sensitive area. 5/29-/6/4/07</b></p>	<p><b>Needs proactive attention when feasible</b></p> <p><b>Needs attention.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Clearing west of Rte. 17 will continue with a helicopter in a low impact wetland crossing. Controls need to be in place prior to soil disturbance. 6/4/07</p> <p>Timber mats are in place for equipment storage off Rte. 17. Haybales and stone sediment traps are in place to filter water flowing from the timber mats. 6/4/07</p> <p>Turbid water was observed flowing into the previously undisturbed pond between Rte 17 &amp; Black Walnut Dr. as a result of the vehicle ruts and disturbed soil noted on 5/29. 6/4/07</p>	<p>Monitor area closely and add controls as needed. Minimum impact methods should be used in this sensitive area. 6/4/07</p> <p>Continue to monitor and stabilize adjacent areas to avoid sediment tracking and accumulation on the mats. 6/4/07</p> <p>Disturbed area should be regraded to original contours and seeded for stabilization. Controls should be installed to prevent run-off until the area is stable. 6/4/07</p>	<p>Low impact measures being utilized. Controls are needed.</p> <p>NA.</p> <p>Needs attention.</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p>Access road being installed west of Rte 17 in the Laurel Brook Watershed Protection Area. Three streams were crossed with temporary culverts. Controls are not in place adjacent to the roads. 5/29-6/4/07</p> <p>Minimal impact, hand clearing and harvesting via helicopter, will be performed within a section of wetlands in the watershed protection area. 6/4/07</p> <p>Equipment has driven through a channel connecting the two ponds east of Rte 17, leaving ruts (noted 5/29). This area had previously been avoided well by equipment. Controls were not in place and turbid water was noted</p>	<p>Monitor area closely for erosion and run-off. Add controls upgradient of wetlands to prevent road run-off. Any wetland crossings are temporary and material will have to be removed when work is complete. 5/29-6/4/07</p> <p>Minimize impacts to the extent possible and add controls as needed. Monitor area closely for erosion and run-off. 6/4/07</p> <p>Install controls where necessary. Regrade the ruts and stabilize the area. Continue to retain as much vegetation as possible in and adjacent to wetlands. 6/4/07</p>	<p>Needs to be closely monitored. Needs proactive attention.</p> <p>Low impacts measures are proposed</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>flowing into the pond within the ROW as a result of the ruts. 6/4/07</p> <p>An “entering wetland” sign/marker was noted in a location that appears to be within the wetland (according to D&amp;M plans and field observations). 6/4/07</p>	<p>Re-evaluate and confirm the actual boundary and place the marker in the appropriate location. 6/4/07</p>	<p>Needs evaluation.</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, and <i>Ambystoma</i> (salamander) masses were noted in the small pond within the ROW. These are not state listed species but do indicate good amphibian breeding habitat. 6/4/07</p>	<p>None</p> <p>Continue using separate access points to reduce impacts to the pond. It has been protected well up to this point. Add controls as necessary. 6/4/07</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Clearing along the ROW appears complete east of Rte 17. Most of the tree stockpiles along the ROW will be removed and taken off site. Very few shrubs were able to be retained here. 6/4/07</p> <p>Clearing continues west of Rte 17 within the watershed protection area with low impact measures proposed. 6/4/07</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. 6/4/07</p> <p>Utilize low impact clearing techniques as proposed to reduce impacts to wetlands. 6/4/07</p>	<p>NA</p> <p>Low impact measures are proposed.</p>
<p>Dewatering</p>	<p>Dewatering is not being performed at this time. 6/4/07</p>	<p>When dewatering is necessary any detention basins should be monitored twice a week in accordance with the D&amp;M plan.</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 6/4/07</p>	<p>None</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Spills, soils and material storage</b>	<b>A few small drips/stains were noted in the shipping/receiving yard within the 1B ROW (5/29). Identify the equipment and proactively repair it if feasible. 6/4/07</b>	<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. 6/4/07</b>	<b>Needs proactive attention.</b>
	<b>Personal vehicles are being parked immediately adjacent to the boundary of the wetland and the watershed protection area. A portable sanitary facility was also stored here. 5/29-6/4/07</b>	<b>All equipment, vehicles, and sanitary facilities should be located greater than 100 feet from the water department property and wetlands. 6/4/07</b>	<b>Needs attention.</b>
	<b>Spill kits move from site to site with equipment. 6/4/07</b>	<b>Continue to use and restock materials as needed. 6/4/07</b>	<b>NA</b>
<b>Additional Observations</b>	<b>None</b>	<b>None</b>	<b>NA</b>

**Next likely scheduled inspection:** Monday June 11, 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



**Turbid water flowing into the pond from the equipment ruts created last week between Rte 17 and Black Walnut Drive. Access in this area had previously been avoided. Controls are needed. Also, confirm that the “entering wetland” sign is actually at the boundary and not within the wetland.**



**Site entrance within the receiving yard. Seed disturbed areas as soon as possible.**



**View along the ROW at clearing and pad sites looking toward Little Lane.**



**Equipment was stored within the watershed protection area. Confirm this was not part of parcel 18-8 (Middletown Water Dept. owned land)**



**ROW access road installed moving west from the contractor yard off Rt 17.**



**Two vehicles parked adjacent to the wetland boundary at the watershed protection area.**



**Portable sanitary facility located immediately at the wetland boundary in the watershed protection area. Note pink & blue wetland flagging. Vehicles and facility should be relocated.**



**Access road construction continues into watershed protection area. Clearing has stopped at low impact area after the last pad site from this access.**