

**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:** December 31, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** 1.03” of precipitation was recorded in the week prior to inspection with 0.42” falling on 12/29. (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>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. 12/31/07</b>	<b>Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 12/31/07</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. 12/31/07</b>	<b>Monitor traffic within wetlands and 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. 12/31/07</b>	<b>Not Applicable (NA) at this time</b>
	<b>Slightly turbid water has been noted at the receiving yard during times of heavy traffic and precipitation. New stone is in place in some areas. Minor sediment/turbidity was noted in the stream adjacent to the receiving yard. 12/31/07</b>	<b>Monitor stone for effectiveness. See erosion control section for details. 12/31/07</b>	<b>Stone was added to the access drive but more attention may be needed.</b>
		<b>Identify where the turbidity is entering the stream and add controls as needed. 12/31/07</b>	<b>Needs evaluation</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Foundation and site construction</b>	<b>Crews are on a break for the holidays for the next two weeks. No new work is scheduled. 12/31/07</b>	<b>NA. 12/31/07</b>	<b>NA</b>
<b>Erosion and sediment controls</b>	<p><b>Culverts and controls are in place along the access road and pads within the receiving yard west of Rte. 17. Some turbid water was noted within the wetlands during this inspection. 12/31/07</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. The channel with check dams remains along the access road. 12/31/07</b></p> <p><b>Mulch and seed remain on some previously exposed soils east of Rte. 17. One pad site was removed/reclaimed however this area was not mulched/seeded with the rest. A stockpile associated with the reclamation of the pad was also noted here. 12/31/07</b></p> <p><b>Sediment was noted at the edge of the no access area near the receiving yard. 9/24-12/31/07 Stone was compressing into the soil here. 10/9-12/31/07</b></p> <p><b>Several soil stockpiles remain at pad sites</b></p>	<p><b>Monitor this area closely as it is located within a protected watershed and ensure that controls are adequate. Reinforce controls as necessary and repair those that have deteriorated. (See 1A report). Locate the source of the turbidity and add controls as needed. 12/31/07</b></p> <p><b>Continue to monitor and stabilize disturbed areas when work is complete and activity will not return within 21 days. Add/maintain controls as necessary. Ensure sufficient stabilization for winter months. 12/31/07</b></p> <p><b>Continue to stabilize soils to the extent feasible including the exposed reclaimed pad within the approved timelines. All temporary stabilization will need to be sufficient for winter months. Remove stockpile when feasible. 12/31/07</b></p> <p><b>Add controls as necessary and begin restoration on any stone pads that will no longer require access. 10/9-12/31/07. 12/31/07</b></p> <p><b>Remove soil stockpiles and stabilize the area</b></p>	<p><b>Needs attention</b></p> <p><b>NA</b></p> <p><b>Additional attention needed for the exposed pad and stockpile.</b></p> <p><b>Area needs monitoring and evaluation.</b></p> <p><b>NA at this time.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>moving west from the Black Walnut Drive entrance. Silt fence remains in place at the base of the stockpiles. 12/31/07</p> <p>Controls remain in place at the CSC approved line-pulling area located adjacent to wetlands. 12/31/07</p> <p>Small stockpiles noted upgradient from the wetlands at the turn in the ROW near the receiving yard. Controls were not in place here. 12/31/07</p>	<p>when feasible. Ensure sufficient stabilization on the stockpile for winter months if it is to remain. 12/31/07</p> <p>Continue to maintain controls in this area and monitor wetlands closely for sediment. Upon completion of work remove the pad and stabilize the area within the approved timelines. 12/31/07</p> <p>Add controls around stockpiles and stabilize. Remove stockpiles when feasible. 12/31/07</p>	<p>NA</p> <p>Needs attention.</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></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. 12/31/07</p> <p>Timber mat access road remains in place in wetlands west of Rte. 17 near Little Ln. 12/31/07</p> <p>In accordance with the D&amp;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</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. 12/31/07</p> <p>See erosion control section. Continue to monitor until the area has stabilized. Disturbed areas need to be stabilized within approved timelines. 12/31/07</p> <p>Final stabilization and reclamation efforts should occur in completed areas in and around wetlands. Any additional work needed in and around wetlands should be expedited to allow for final stabilization</p>	<p>NA at this time.</p> <p>NA at this time.</p> <p>Needs to be evaluated.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>attending to restoration when work is complete. 12/31/07</b></p>	<p><b>procedures to commence. Any stabilization at this time will have to account for winter months. 12/31/07</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 pond within the ROW in the spring. These are not state-listed species but do indicate good amphibian breeding habitat. 12/31/07</b></p>	<p><b>None</b></p> <p><b>Continue using separate access points to reduce impacts to the pond. Vegetative cover is present in the area. 12/31/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Vegetative clearing or stabilization</b></p> <p><i>Stabilization measures will have to be consistent with and sufficient for winter conditions</i></p>	<p><b>Clearing along the ROW appears complete. 12/31/07</b></p> <p><b>Reclamation efforts have been noted to remove stone from some areas of access roads and pads. 12/31/07</b></p>	<p><b>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. 12/31/07</b></p> <p><b>Continue to restore and stabilize any work areas that will no longer be active, or temporarily stabilize areas where work will not return within 21 days. 11/5-12/31/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Dewatering</b></p>	<p><b>Active work associated with dewatering was no longer observed. 12/31/07</b></p>	<p><b>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. 12/31/07</b></p>	<p><b>NA</b></p>
<p><b>Blasting</b></p>	<p><b>No blasting is proposed at this time. 12/31/07</b></p>	<p><b>None</b></p>	<p><b>NA</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Spills, soils and material storage</b></p>	<p><b>Contractor receiving yard is set up near Rte. 17 in Middletown for 1A work. Spill kits move from site to site with equipment. 12/31/07</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. 12/31/07</b></p> <p><b>Small soil stockpiles were noted in various spots along this entire segment. Some stockpiles need controls (particularly those near the turn at Little Lane.) 12/31/07</b></p>	<p><b>Continue to use and restock materials as needed. The site is starting to be demobilized 12/31/07</b></p> <p><b>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. 12/31/07</b></p> <p><b>Monitor and add controls as needed. See erosion control section. 12/31/07</b></p>	<p><b>NA</b></p> <p><b>NA at this time.</b></p> <p><b>Needs minor attention and monitoring.</b></p>
<p><b>Additional Observations</b></p>	<p><b>None. 12/31/07</b></p>	<p><b>None. 12/31/07</b></p>	<p><b>NA</b></p>

**Next likely scheduled inspection:** Monday January 8, 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



**View of an area of exposed soil east of Rte. 17. The area has been reclaimed but still requires temporary stabilization until vegetative cover can establish.**



**View of previously exposed area east of Rte 17 with mulch and seed in place.**



**Slightly turbid water within the wetland at the edge of the contractor yard.**



**Small stockpiles at the turn in the ROW towards Little Lane. Controls are needed.**