

**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:** February 19, 2008

**Inspector:** Matthew Creighton

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

**Rainfall:** 4.22" of precipitation was recorded in the week prior to inspection with 3.47" of the total reported on 2/13 (NOAA data at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</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. 2/19/08	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 2/19/08	Active areas need regular attention
	The old wooden pole remains across the slope off Black Walnut Dr. to prevent vehicles from driving over and damaging the water bar here. 2/19/08	None. 2/19/08	Not Applicable (NA) at this time
Route 17 west (through contractor yard), Rte 17 east.	Several areas of timber mats have been removed from wetlands in these sections. Some culverts and fill remain. 2/19/08	Continue to remove and stabilize wetland crossings now that work is complete. See erosion control section. 2/19/08	NA at this time.
	Turbid water has been noted at the receiving yard during times of heavy traffic and precipitation. Minor sediment was noted in the stream adjacent to the receiving yard during	Monitor for effectiveness. See erosion control section for details. 2/19/08	Needs evaluation

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>heavy rains (12/31).</b></p> <p><b>The pond located adjacent to the receiving yard is turbid and flowing into the stream, which crosses under the access road. Controls around the pond are degraded and run-off from the yard is a potential source of the sediment. 2/19/08</b></p>	<p><b>Identify the source of turbid water in the pond. If run-off from the yard is resulting in the turbidity, address the controls. In the past, the adjacent landowner may have been pumping into/out of the pond, causing the turbidity. 2/19/08</b></p>	<p><b>Needs evaluation. Controls around the pond need attention. (also see 1A report)</b></p>
<p><b>Foundation and site construction</b></p>	<p><b>No new work has taken place this week. 2/19/08</b></p>	<p><b>NA</b></p>	<p><b>NA</b></p>
<p><b>Erosion and sediment controls</b></p>	<p><b>Culverts and controls are in place along the access road and pads within the receiving yard west of Rte. 17. Turbid water appears to enter the wetlands from a source below the substrate near the access road during rain events (noted since 1/16) and was recently noted from the overflow of the nearby turbid pond. 2/19/08</b></p> <p><b>Timber mats have been removed from east and west of Rte. 17 within the wetlands. 2/19/08</b></p> <p><b>Haybales, stone sediment traps, and/or fiber rolls were used to filter water flowing from the timber mats east/west of Rte 17. A channel with check dams remains along the access road east of Rte 17. 2/19/08</b></p> <p><b>Sediment was noted at the edge of the no access</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 around the pond. (See 1A report). Locate the source of the turbidity and add controls as needed. 12/31-2/19/08</b></p> <p><b>Ensure sufficient stabilization for winter months during the reclamation process. Adjacent upland soils will need mulch and wetland contours should be carefully restored. 2/11-2/19/08</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. 2/19/08</b></p> <p><b>Add controls as necessary and begin restoration on</b></p>	<p><b>Needs attention</b></p> <p><b>Turbid water entering the wetland during storms.</b></p> <p><b>NA at this time until conditions allow.</b></p> <p><b>NA at this time</b></p> <p><b>Area needs monitoring and evaluation.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>area near the receiving yard. 9/24-2/19/08 Stone was compressing into the soil here. 10/9-2/19/08</p> <p>Controls remain in place at the CSC approved line-pulling area located adjacent to wetlands. Road sub-base has been pulled back in this area and stockpiled without controls. 1/7-2/19/08 Some exposed areas remain seeded and mulched. 2/19/08</p>	<p>any stone pads that will no longer require access. 10/9-2/19/08</p> <p>Upon completion of work stabilize the area within the approved timelines. Ensure stockpiles are not stored within 100 feet of wetlands and add controls if they are to remain. 1/7-2/19/08</p>	<p>Stockpiles need 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. 2/19/08</p> <p>The pond adjacent to the contractor yard was turbid again. This has been attributed to landowner activities in the past but run-off from the yard may also be a factor. 2/19/08</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 attending to restoration in adjacent upland areas when work is complete. Reclamation has occurred several areas. 2/19/08</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. 2/19/08</p> <p>Evaluate the source of the turbidity and determine if it is related to the project. See the erosion control section. 2/19/08</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 procedures to commence. Any stabilization at this time will have to account for winter months. 2/19/08</p>	<p>Restoration should be expedited if work is complete.</p> <p>Needs evaluation</p> <p>Reclamation has occurred in several areas. Continue to evaluate.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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 in the spring. These are not state-listed species but do indicate good amphibian breeding habitat. 2/19/08</p>	<p>None</p> <p>Continue using separate access points to reduce impacts to the pond. 2/19/08</p>	<p>NA</p> <p>NA</p>
<p><b>Vegetative clearing or stabilization</b> <i>Stabilization measures will have to be consistent with and sufficient for winter conditions</i></p>	<p>Restoration efforts were noted over the past two months removing stone from the edges of access roads and removing pads and timber mats. 12/31-2/19/08 Weather is limiting progress at this point. 1/22-2/19/08</p>	<p>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. 11/5-2/19/08</p>	<p>NA</p>
<p><b>Dewatering</b></p>	<p>Active work associated with dewatering was no longer observed. 2/19/08</p>	<p>NA 2/19/08</p>	<p>NA</p>
<p><b>Blasting</b></p>	<p>No blasting is proposed at this time. 2/19/08</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. 2/19/08</p> <p>Sanitary facility noted just upgradient from a finger of wetlands, which extends into the parking lot. 2/4-2/19/08</p> <p>Monitor equipment closely when working within the Laurel Brook watershed protection area. Refueling and equipment maintenance should be done outside of</p>	<p>Continue to use and restock materials as needed. 2/19/08</p> <p>Sanitary facility should be moved to a location greater than 100 feet from the resource area. 2/4-2/19/08</p> <p>In general, if a leak is observed, contain it and remove equipment from water department property. Proactively check equipment for leaks when working in</p>	<p>NA</p> <p>Needs attention.</p> <p>NA at this time.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<p><b>the protected area 2/19/08</b></p> <p><b>Most of the soil stockpiles noted along this segment have been removed. However, stockpiles were noted at the edge of the wetlands near the receiving yard. 1/7-2/19/08</b></p>	<p><b>the protected area 2/19/08</b></p> <p><b>Monitor and add controls as needed. Ensure soil is not stockpiled with 100 feet of wetlands. See erosion control section. 1/7-2/19/08</b></p>	<p><b>The stockpiles near wetlands need attention.</b></p>
<b>Additional Observations</b>	<b>None. 2/19/08</b>	<b>None. 2/19/08</b>	<b>NA</b>

**Next likely scheduled inspection:** Monday February 25, 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



**Sanitary facility located upgradient from wetlands should be moved to a location over 100 feet from resource areas.**



**Exposed/reclaimed areas have been mulched and seeded west of Rte 17 in the receiving yard.**



**Slightly turbid water was noted at the culverted crossing for the access road**



**The pond adjacent to the contractor receiving yard is turbid. The turbidity noted in the stream at the access road crossing is flowing from this pond. Controls adjacent to the pond are degraded and it needs to be evaluated whether run-off from the yard is the source of turbidity**