

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: September 10, 2007

Inspector: Matthew Creighton

Location: Segment 1b (Royal Oaks Bypass)

Rainfall: 0.01” of precipitation was recorded in the week prior to inspection, with the total reported on 9/10 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Clearing and stone access road construction appears to be complete in most sections at this time. 9/10/07	Continue to monitor active work areas and add controls as necessary. See EC section. 9/10/07	Not Applicable (NA)
	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. 9/10/07	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 9/10/07	Active areas need regular attention
	Stone was removed from the edge of the access road at Rte 17 east. The adjacent areas were mulched and seeded and the small channel with check dams remains in place. 9/10/07	Monitor controls for effectiveness and the stabilized areas for vegetative growth. Add more controls as needed. 9/10/07	Areas were seeded and mulched.
Route 17 west (through contractor yard), Rte 17 east, access north of Little Lane.	Mats or stone fill remain at the wetland crossings in these sections and culverts were used to cross streams. 9/10/07	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	NA at this time

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Sediment tracking from foundation work was swept and removed from timber mats near structure # 24580 (north of the 1A intersection off Little Ln.). However, in the process, some sediment was swept over the controls and into the wetlands. 9/10/07</p> <p>Ruts from equipment were noted under a plastic tarp within the edge of wetlands at structure # 24580. 9/10/07</p> <p>Grass cover was becoming established in the previously disturbed area connecting two ponds east of Rte 17. 9/10/07</p>	<p>complete. See erosion control section. 9/10/07</p> <p>Monitor and add controls as needed . If feasible, clean sediment by hand, that was pushed over controls during sweeping. 9/10/07</p> <p>Remove tarp from wetlands and carefully regrade the ruts. Seed the disturbed area with a wetland seed mix. 9/10/07</p> <p>Continue to monitor area for final stabilization. Consider placing construction fencing to prevent any future impacts. 9/10/07</p>	<p>Sediment was removed from timber mat but some sediment was accidentally swept over controls.</p> <p>Needs attention.</p> <p>Grass cover is establishing.</p>
<p>Foundation and site construction</p>	<p>Foundation drilling and installation will continue in locations from Rte 17 to Black Walnut Dr. However, no active work was noted this week. 9/10/07</p>	<p>Monitor drilling and concrete pouring closely in sensitive areas. Add controls as needed. 9/10/07</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. The washouts/ gullies that had been noted along the steep slope since 4/16 had been repaired. 9/10/07</p> <p>Culverts and controls are in place along the access road and pads within the receiving yard west of</p>	<p>Monitor for stabilization. Seed the area as needed. 9/10/07</p> <p>Monitor this area closely as it is located within a protected watershed and ensure that controls are</p>	<p>Slopes and washouts were regraded in some areas.</p> <p>Needs evaluation</p>

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	<p>Rte. 17. 9/10/07</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. The channel with check dams remains along the access road and recently restored areas had been mulched and seeded. 9/10/07</p> <p>Sediment tracking/accumulation noted on timber mats west of Rte 17 (near structure # 24580) was removed. However, some of the sediment was swept over controls and into wetlands. Also equipment tracks were noted within the wetlands. 9/10/07</p>	<p>adequate. Evaluate controls and place additional controls as necessary. 9/10/07</p> <p>Continue to monitor and stabilize adjacent areas to avoid sediment tracking and accumulation on the mats. See access roads section. 9/10/07</p> <p>Remove sediment from the wetlands to the extent feasible. Regrade the ruts and stabilize the area. See access road and Inland wetland sections. 9/10/07</p>	<p>Areas were mulched and seeded.</p> <p>Timber mats were swept but some sediment was over the controls.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</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. 9/10/07</p> <p>Timber mat access road in place in wetlands west of Rte. 17 near Little Ln. Equipment ruts were noted under a plastic tarp within the wetlands at the edge of the mats. 9/10/07</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. 9/10/07</p> <p>See erosion control & access roads sections. Continue to minimize impacts to the extent possible and add controls as needed. Ruts should be carefully repaired/ regraded and the disturbed area should be seeded. 9/10/07</p>	<p>Needs evaluation</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&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. 9/10/07</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. 9/10/07</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p> <p>Black Walnut Drive</p>	<p>Clearing along the ROW appears largely complete. 9/10/07</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. 9/10/07</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&M Plan. 9/10/07</p> <p>Piles need to be either removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 9/10/07</p>	<p>NA</p> <p>Needs attention when feasible</p>
<p>Dewatering</p>	<p>Dewatering is performed via pump truck as needed. 9/10/07</p>	<p>When dewatering is necessary, any detention basins in the watershed area should be monitored twice a week in accordance with the D&M plan. Continue to use adequate containment. 9/10/07</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 9/10/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</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. 9/10/07</p>	<p>Continue to use and restock materials as needed. 9/10/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<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. 9/10/07</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. 9/10/07</p>	<p>NA at this time.</p>
<p>Additional Observations</p>	<p>None</p>	<p>None</p>	<p>NA</p>

Next likely scheduled inspection: Monday September 17, 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



A section of the access road has been removed and graded. The area along the road was mulched and seeded.



Timber mats were cleaned. However, some of the sediment has migrated to the controls and edge of the mat within the wetland.



Looking across the no access area towards Little Lane. Some deep equipment ruts were noted at the edge. Carefully regrade the area and remove debris.