

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 4, 2007

Inspector: Matthew Creighton

Location: Segment 1b (Royal Oaks Bypass)

Rainfall: 0.01” of precipitation was recorded in the week prior to inspection, the total reported on 9/4 (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. 9/4/07	Continue to monitor active work areas and add controls as necessary. See EC section. 9/4/07	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. 9/4/07	Continue to monitor for sediment tracking in active areas. Sweep roadways as necessary. 9/4/07	Active areas need regular attention
	Stone from the edge of the access road at Rte 17 east was being removed and a small adjacent channel with check dams was installed. Crews were hay mulching and seeding the newly exposed areas. 9/4/07	Monitor controls for effectiveness and for vegetative growth. Add more controls as needed. 9/4/07	Portions of the access road were removed and stabilization.
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. 9/4/07	Monitor traffic within wetlands continue using timber mats to reduce impacts. Any wetland crossings are temporary and material will have to	NA at this time

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Sediment tracking from foundation work, was noted on timber mats near structure # 24580 (north of the 1A intersection off Little Ln.) 8/20-9/4/07</p> <p>Grass cover continues to establish in the previously disturbed area connecting two ponds east of Rte 17. 9/4/07</p>	<p>be removed when work is complete. See erosion control section. 9/4/07</p> <p>Monitor and add controls as needed . Sweep sediment from the timber mats to the extent feasible. 8/20-9/4/07</p> <p>Continue to monitor area for final stabilization. Consider placing construction fencing to prevent any future impacts. 9/4/07</p>	<p>Needs evaluation/attention.</p> <p>Grass cover is establishing.</p>
<p>Foundation and site construction</p>	<p>Foundation drilling and installation continues in locations from Rte 17 to Black Walnut Dr. However, no active work was noted this week. 9/4/07</p>	<p>Monitor drilling and concrete pouring closely in sensitive areas. Add controls as needed. 9/4/07</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. Some washouts/ gullies were noted on the steep slope as a result of heavy rains (noted 4/16). 9/4/07</p> <p>Culverts and controls are in place along the access road and pads within the receiving yard west of Rte. 17. 9/4/07</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</p>	<p>As construction and soil disturbance progress, add controls where needed. Regrade and seed steep slopes as soon as possible 9/4/07</p> <p>Monitor this area closely as it is located within a protected watershed and ensure that controls are adequate. Evaluate controls and place additional controls as necessary. 9/4/07</p> <p>Continue to monitor and stabilize adjacent areas to avoid sediment tracking and accumulation on the mats. See access roads section. 9/4/07</p>	<p>Needs proactive attention when feasible.</p> <p>Needs evaluation</p> <p>Areas were being restored and stabilized. Check dams were installed proactively.</p>

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	<p>mats. A new channel with check dams was installed along the access road as a portion of the stone road was removed. The areas were being mulched and seeded. 9/4/07</p> <p>Sediment tracking/accumulation was noted on timber mats west of Rte 17 (near structure # 24530). 7/30-9/4/07</p>	<p>Clean mats by hand if necessary and remove sediment to the extent feasible to prevent run-off. 7/30-9/4/07</p>	<p>Needs evaluation and proactive attention.</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. 9/4/07</p> <p>Timber mat access road in place in wetlands west of Rte. 17 near Little Ln. Sediment accumulation was noted on mats. 7/30-9/4/07</p> <p>The area where equipment had driven through a channel connecting two ponds east of Rt. 17, leaving ruts (noted 5/29) was becoming stable. Water was not noted flowing into the pond within the ROW. 9/4/07</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. 9/4/07</p> <p>See erosion control section. Continue to minimize impacts to the extent possible and add controls as needed. Sediment should be removed. 7/30-9/4/07</p> <p>Continue to monitor. 9/4/07</p>	<p>Needs evaluation</p> <p>Needs evaluation</p> <p>NA at this time.</p>
<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</p>	<p>None</p> <p>Continue using separate access points to reduce impacts to the pond. Add controls as necessary</p>	<p>NA</p> <p>NA</p>

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	<p>pond within the ROW. These are not state-listed species but do indicate good amphibian breeding habitat. 9/4/07</p>	<p>and consider construction fencing to keep equipment back. 9/4/07</p>	
<p>Vegetative clearing or stabilization</p> <p>Black Walnut Drive</p>	<p>Clearing along the ROW appears largely complete. 9/4/07</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. 8/20-9/4/07</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&M Plan. 9/4/07</p> <p>Piles need to be either removed from the ROW or spread in appropriate upland areas to a depth of 3" or less. 8/20-9/4/07</p>	<p>NA</p> <p>Needs attention when feasible</p>
<p>Dewatering</p>	<p>Dewatering is performed via pump truck as needed. 9/4/07</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. 9/4/07</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 9/4/07</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. 9/4/07</p> <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. 9/4/07</p>	<p>Continue to use and restock materials as needed. 9/4/07</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</p>	<p>NA</p> <p>NA at this time.</p>

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		equipment for leaks when working in the protected area. 9/4/07	
Additional Observations	None	None	NA

Next likely scheduled inspection: Monday September 10, 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 portion of the access road has been removed and graded. The area along the road was mulched and seeded.



View of a drainage channel along the road with check dams, hay mulch and seed.



View looking across the no access area towards Little Lane. Regrowth of vegetative cover was noted.