

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: July 9, 2007

Inspector: Matthew Creighton

Location: Segment 1b (Royal Oaks Bypass)

Rainfall: 1.39" of precipitation was recorded in the week prior to inspection, with 0.77" reported on 7/4 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Traffic is using the existing ROW entrance off Black Walnut Drive and off Rte 17 across from/ within the contractor shipping/ receiving yard and near the Little Lane crossing. Sediment tracking was not observed on the roadways. 7/9/07	Continue to monitor construction entrances and clean/sweep roadways as needed. 7/9/07	Not Applicable (NA)
	Timber mats are in place east of Rte 17 to bring equipment onto the site and reduce sediment tracking onto the roadway. 7/9/07	Monitor and add controls as needed and continue using timber mats to reduce impacts to wetlands. 7/9/07	NA
	Stone access roads remain east off Rte. 17, at 1A/ Black Walnut Dr., and at Little Ln. accesses. Roads continue into the watershed protection area. 7/9/07	Monitor and add controls as needed. 7/9/07	NA at this time
	Stone access road and pad sites were in place within the contractor yard moving west. Access is through wetlands with culverts in place to cross streams.	Add controls as needed and monitor traffic within wetlands. Seed as needed to promote stabilization. Any wetland crossings are temporary and material will have to be removed	NA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Fiber rolls were installed and adjacent areas were mulched. 7/9/07</p> <p>An access road is in place south of the receiving yard of Rte. 17. 7/9/07</p> <p>A piece of equipment has driven through a small channel connecting 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. 7/9/07</p>	<p>when work is complete. See erosion control section. 7/9/07</p> <p>Add controls as needed along the access. 7/9/07</p> <p>Regrade impacted area to original contours and stabilize as soon as possible. Although not specified as a no access area in the D&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- 7/9/07</p>	<p>NA</p> <p>Needs attention/evaluation</p>
<p>Foundation and site construction</p>	<p>Clearing along ROW, tree removal, and chipping has occurred. Access road and pad site installation appears complete. No foundation or line construction currently underway. 7/9/07</p>	<p>Monitor slopes and wetland for erosion and run-off. Add controls as necessary to protect sensitive areas. 7/9/07</p>	<p>NA</p>
<p>Erosion and sediment controls</p>	<p>Clearing is complete; 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). 7/9/07</p> <p>Access road and pad installation complete within the receiving yard west of Rte. 17. Culverts and filter sock controls are in place. 7/9/07</p> <p>Mulch remains on disturbed soils along the access road from the contractor yard. 7/9/07</p>	<p>As clearing, construction and soil disturbance progress, add controls where needed. Regrade and seed steep slopes as soon as possible. 7/9/07</p> <p>Monitor this area closely as it is located within a protected watershed and ensure that controls are adequate. Adjust as needed. 7/9/07</p> <p>Continue to stabilize disturbed soil areas where feasible. 7/9/07</p>	<p>Needs proactive attention when feasible</p> <p>Controls were added.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Timber mats are in place for equipment access east of Rte. 17. Haybales and stone sediment traps were used to filter water flowing from the timber mats. 7/9/07</p> <p>No water was noted flowing into the pond from the vehicle ruts and disturbed soil (noted 5/29) between Rte 17 & Black Walnut Drive. 7/9/07</p>	<p>Continue to monitor and stabilize adjacent areas to avoid sediment tracking and accumulation on the mats. 7/9/07</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. 5/29-7/9/07</p>	<p>NA</p> <p>Needs attention/evaluation.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Access road is in place west of Rte 17 within the receiving yard wetlands. Three streams were crossed with culverts. Controls are in place adjacent to the roads and mulch remains in some areas. 7/9/07</p> <p>Minimal impact, hand clearing, and harvesting via helicopter, is complete within the watershed protection area. 7/9/07</p> <p>Equipment has driven through a channel connecting two ponds east of Rt. 17, leaving ruts. Controls were not in place (noted 5/29); This area had previously been avoided well by equipment. Water was not noted flowing into the pond within the ROW. 7/9/07</p>	<p>Monitor area closely for erosion and run-off. Add controls as needed to prevent road run-off. Any wetland crossings are temporary and material will have to be removed when work is complete. 7/9/07</p> <p>Continue to minimize impacts to the extent possible and add controls as needed. 7/9/07</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. 7/9/07</p>	<p>Controls were added</p> <p>NA</p> <p>Needs evaluation/attention</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></p>	<p>None</p> <p>Continue using separate access points to reduce</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>(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. 7/9/07</p>	<p>impacts to the pond. Add controls as necessary and consider construction fencing to keep equipment back. 7/9/07</p>	
<p>Vegetative clearing or stabilization</p>	<p>Clearing along the ROW appears complete. Crews had actively mulched and/or removed the tree stockpiles along the ROW. 7/9/07</p> <p>Clearing via helicopter is complete within the sensitive wetland crossing within the watershed. Low growing vegetation was retained and trees were removed with little impact to soils. 7/9/07</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. 7/9/07</p> <p>Low impact clearing techniques have been used to reduce impacts to wetlands. Add controls as needed to prevent further disturbance of the protected area. 7/9/07</p>	<p>NA</p> <p>Clearing within the sensitive crossing is complete with little impact.</p>
<p>Dewatering</p>	<p>Dewatering is not being performed at this time. 7/9/07</p>	<p>When dewatering is necessary any detention basins should be monitored twice a week in accordance with the D&M plan.</p>	<p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 7/9/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>Spill kits move from site to site with equipment. 7/9/07</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. 7/9/07</p>	<p>Continue to use and restock materials as needed. 7/9/07</p> <p>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</p>	<p>NA</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Timber mats are being stockpiled adjacent to wetlands within the watershed area, potentially hindering re-vegetation here 7/2-7/9/07</p>	<p>equipment at least once a day for leaks when working in the protected area. 7/9/07</p> <p>Stockpile timber mats in areas that have been or will be disturbed (eg inactive pad sites) to reduce impacts to vegetative growth to the extent possible. 7/2-7/9/07</p>	<p>Needs proactive attention.</p>
<p>Additional Observations</p>	<p>None</p>	<p>None</p>	<p>NA</p>

Next likely scheduled inspection: Monday July 16, 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



Water was no longer flowing into the pond from the equipment ruts created between Rte 17 and Black Walnut Drive. Controls are still needed. Also, confirm that the “entering wetland” sign is actually at the boundary and not within the wetland.



Pond within the ROW below rutted crossing is clear. The water level is receding with the hot weather.



View of the sensitive area crossing in the ROW that was recently cleared via helicopter and low impact techniques. Stumps and low growing vegetation were retained to stabilize soils.



View of fiber roll installed along the access road. Continue to monitor to ensure controls are adequate.