

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 2, 2007

Inspector: Matthew Creighton

Location: Segment 1b (Royal Oaks Bypass)

Rainfall: 0.22" of precipitation was recorded in the week prior to inspection, with 0.15" on 6/30 (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. 7/2/07	Continue to monitor construction entrances and clean/sweep roadways as needed. 7/2/07	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. 7/2/07	Monitor and add controls as needed and continue using timber mats to reduce impacts to wetlands. 7/2/07	NA
	Stone access roads remain east off Rte. 17, 1A/Black Walnut Dr., and Little Ln. accesses. Roads continue into the watershed protection area. 7/2/07	Monitor and add controls as needed. 7/2/07	NA at this time
	Stone access road and pad sites were installed within the contractor yard moving west. Access is through wetlands with culverts used to cross streams. No controls were in place	Add controls as needed and monitor traffic within wetlands. Seed as applicable 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>(noted 5/29), but adjacent areas were mulched. 7/2/07</p> <p>A new access road is now in place south of the receiving yard of Rte. 17. 7/2/07</p> <p>A piece of equipment has driven through a small channel connecting two ponds east of Rte 17. This area was previously undisturbed as contractors were using two different access points to avoid disturbing this sensitive area. 7/2/07</p>	<p>when work is complete. See erosion control section. 5/29- 7/2/07</p> <p>Add controls as needed along the new access. 7/2/07</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- 7/2/07</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 continues in several locations. No foundation or line construction underway. 7/2/07</p>	<p>Monitor slopes and wetland for erosion and run-off. Add controls as necessary to protect sensitive areas. 7/2/07</p>	<p>NA</p>
<p>Erosion and sediment controls</p>	<p>Clearing east of Rte. 17 is complete; Mulch remains along a steep slope 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). . 7/2/07</p> <p>Access road and pad installation complete within the receiving yard west of Rte. 17. Culverts are in place but controls needed along wetlands (Noted 5/29). 7/2/07</p> <p>Mulch remains on disturbed soils along the</p>	<p>As clearing, construction and soil disturbance progress, add controls where needed. Regrade and seed steep slopes as soon as possible. 7/2/07</p> <p>Add controls, as needed, aroundwork areas and road edges, upgradient from wetlands. Monitor this area closely as it is located within a protected watershed. 5/29-7/2/07</p> <p>Continue to stabilize disturbed areas where</p>	<p>Needs proactive attention when feasible</p> <p>Needs proactive attention/ evaluation.</p> <p>Mulch is in place.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>access road from the contractor yard. 7/2/07</p> <p>Many small shrubs and vegetation were retained in the recently cleared low impact wetland crossing west of Rt. 17. 7/2/07</p> <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. 7/2/07</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. 7/2/07</p>	<p>feasible. 7/2/07</p> <p>Monitor area closely and add controls as needed. Avoid traffic in this area. 7/2/07</p> <p>Continue to monitor and stabilize adjacent areas to avoid sediment tracking and accumulation on the mats. 7/2/07</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. 5/29-7/2/07</p>	<p>Low impact clearing was performed and vegetation was retained.</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 not in place adjacent to the roads (noted 5/29) but mulch remains in some areas. 7/2/07</p> <p>Minimal impact, hand clearing and harvesting via helicopter, was recently completed within a section of wetlands in the watershed protection area. 7/2/07</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</p>	<p>Monitor area closely for erosion and run-off. Add controls upgradient of wetlands to prevent road run-off. Any wetland crossings are temporary and material will have to be removed when work is complete. 5/29-7/2/07</p> <p>Continue to minimize impacts to the extent possible and add controls as needed. 7/2/07</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. 7/2/07</p>	<p>Needs to be closely monitored. Continue to provide proactive attention.</p> <p>NA</p> <p>Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>avoided well by equipment. Water was no longer noted flowing into the pond within the ROW. 7/2/07</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 pond within the ROW. These are not state-listed species but do indicate good amphibian breeding habitat. 7/2/07</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. 7/2/07</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Clearing along the ROW appears complete. Crews had actively mulched and/or removed most of the tree stockpiles along the ROW.. A few piles remain. 7/2/07</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. 7/2/07</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. 7/2/07</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. 7/2/07</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. 7/2/07</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. 7/2/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>Spill kits move from site to site with equipment. 7/2/07</p>	<p>Continue to use and restock materials as needed. 7/2/07</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. 7/2/07</p> <p>Timber mats are being stockpiled adjacent to wetlands within the watershed area, potentially hindering re-vegetation here 7/2/07</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 equipment at least once a day for leaks when working in the protected area. 7/2/07</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. 7/2/07</p>	<p>NA at this time.</p> <p>Needs proactive attention.</p>
Additional Observations	None	None	NA

Next likely scheduled inspection: Monday July 9, 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.



Site entrance within the receiving yard. Timber mats were stockpiled in/adjacent to a wetland area and should be relocated



View of the sensitive 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 the remaining timber stockpile to be removed from the site.