

**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 2a Inspection**

**Date:** July 10, 2007

**Inspector:** Matthew Creighton

**Location:** Segment 2a – Beseck Switching Station to Cheshire/Hamden Town Line

**Rainfall:** 0.46” of precipitation was recorded in the week prior to inspection, with 0.40” on 7/15 (NOAA data at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b>	<b>Timber mats are in place at wetland crossings and staging areas. 7/10/07</b>	<b>See Erosion Control Section for more details 7/10/07</b>	<b>Not applicable (NA)</b>
<b>Carpenter Ln. to Rte 68</b>	<b>South of Carpenter Ln, timber mat &amp; stone staging areas remain within wetlands. The access road is complete here 7/10/07</b>	<b>Add controls as needed along the wetlands. See the erosion control section. 7/10/07</b>	<b>NA</b>
	<b>A culvert is in place at a small access road stream crossing to reach several pad sites between High Hill Rd. and Carpenter Ln 7/10/07</b>	<b>Add controls as needed along the new access road. Monitor stream for sediment. Wetland crossings will need to be restored at the end of the project. 7/10/07</b>	<b>NA</b>
<b>Durham Rd.</b>	<b>Access road and pads are in place moving north toward Rte. 68. 7/10/07</b>	<b>Monitor access road and add controls as needed. 7/10/07</b>	<b>NA</b>
<b>Williams Rd. to East Center St.</b>	<b>Stone is now in place for access at a previously mowed area off Williams Rd. 7/10/07</b>	<b>Stone will be removed and lawn area will need to be restored upon completion of the project work. 7/10/07</b>	<b>NA</b>
	<b>Exposed soil at Williams Rd. crossing did not appear to be fully contained adjacent to a wetland area (noted since</b>	<b>The old access road area should be stabilized and regraded to original contours as necessary. Promote establishment of</b>	<b>NA</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>S. Turnpike + Merritt Parkway Area; Mansion Rd.; Powers Rd. &amp; Woodhouse Ave.; Durham Rd.; Liney Hall Ln.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.</p>	<p>4/24). This old access now connects with a new stone access road installed through a wetland. 7/10/07</p> <p>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. Stone construction entrance pads remain in place at most. 7/10/07</p>	<p>vegetative cover. 6/5-7/10/07</p> <p>Continue to monitor entrances and sweep as needed. 7/10/07</p>	<p>Monitor area</p>
<p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5)</p>	<p>Clearing stopped for now, between I 91 to Rte 5. Several wetland crossings involved but appropriate crossing techniques were not observed. 5/30-7/10/07</p>	<p>Limit pond crossing and impacts to the extent feasible. Add controls and appropriate crossing measures. 5/30-7/10/07</p>	<p>Needs attention/evaluation at wetland crossings.</p>
<p>Mansion Rd. Apple Orchard</p>	<p>Access road and pad construction appear complete within the orchard. Vehicle tracks were noted within some wetlands (since 6/19). 7/10/07</p>	<p>Prevent equipment access in wetlands whenever possible. 6/19-7/10/07 Repair tracks if feasible without causing more disturbance. 7/10/07</p>	<p>Needs evaluation and attention.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>A small channel was diverted/dug along the access road. Water was pooling on the access road. 6/19-7/10/07 Culverts are onsite but not installed. 7/10/07</p>	<p>A culvert appears to be necessary to prevent sedimentation. 6/19-7/10/07</p>	<p>Needs evaluation and attention.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>Equipment had been driving through several wetlands without appropriate crossings but culverts, haybales, fiber rolls, and hay/seed remain in place to stabilize soils. 7/10/07</p>	<p>Add controls and appropriate crossing measures at wetlands, prior to equipment disturbance. Retain the no access areas located off Mansion Rd. and Tuttle Ave (moving west). 7/10/07</p>	<p>Continue to monitor.</p>
<p>Old Farms Road</p>	<p>Plywood is being used to reduce impact to the driveways crossing the ROW from equipment crossing. 7/10/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 7/10/07</p>	<p>Plywood is used to protect driveways from equipment damage (proactively).</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Old Farms Rd. (115kV Underground trench-work)</b></p>	<p><b>Crews were on site, preparing for repaving work along the roadway to repair the deteriorating trench patch that has been noted in past weeks. 7/10/07</b></p>	<p><b>Sweep roadway as needed upon completion of work. 6/19-7/10/07</b></p>	<p><b>Needs regular attention</b></p>
<p><b>Foundation and site construction</b></p> <p><b>High Hill Rd., Carpenter Lane</b></p> <p><b>Durham Rd. Liney Hall Lane Williams Rd to East Center St.</b></p> <p><b>Powers Rd. &amp; Woodhouse Ave.</b></p> <p><b>Woodhouse Ave Harrison Rd.</b></p> <p><b>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5)</b></p> <p><b>Pent Rd. &amp; Oliver Creek Rd.</b></p> <p><b>S. Turnpike + Merritt Parkway Area</b></p> <p><b>Mansion Rd. Apple Orchard</b></p> <p><b>Mansion Rd to Tuttle Ave.</b></p>	<p><b>No new work since the third foundation was poured in the middle of a small channel as permitted. 7/10/07</b></p> <p><b>Clearing appears complete, access road and pad sites remain in place at work areas. 7/10/07</b></p> <p><b>No new work since the stone access road was installed northeast off Powers Rd. through wetlands. 7/10/07</b></p> <p><b>Clearing has resumed in this section. 7/10/07</b></p> <p><b>Road construction and pad installation appear complete for now 7/10/07</b></p> <p><b>Access road and pad sites are in place. 7/10/07</b></p> <p><b>Clearing complete off South Turnpike and the Merritt Parkway. Mulch remains on the slopes. 7/10/07</b></p> <p><b>Access roads and staging areas are in place. 7/10/07</b></p> <p><b>Road construction is underway. Controls were</b></p>	<p><b>See wetland section for more details and recommendation. 7/10/07</b></p> <p><b>See erosion control section. 7/10/07</b></p> <p><b>Add controls to protect wetlands as needed as work continues. See erosion control section. 7/10/07</b></p> <p><b>Add controls to protect wetlands as needed as work continues. See erosion control &amp; state-listed species sections. 7/10/07</b></p> <p><b>See erosion controls section. 7/10/07</b></p> <p><b>See erosion control section. 7/17/07</b></p> <p><b>See erosion control section. Add controls as needed especially with the steep slope. 7/10/07</b></p> <p><b>See access roads, erosion control, and wetland sections. 7/10/07</b></p> <p><b>See access roads and erosion control sections.</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA.</b></p> <p><b>NA</b></p> <p><b>NA.</b></p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Williams Rd to East Center St.</b></p>	<p><b>7/10/07</b> <b>Timber mats and silt fence remain in place at the Stony Brook site access. A new stone access road is in place at Williams Rd. wetlands but exposed soil remains at the old access where timber mats were removed. Run-off was currently clear. 6/5-7/10/07</b></p>	<p><b>timber mats. 7/10/07</b> <b>Add appropriate controls between the exposed soil and the undisturbed portion of wetlands. 5/2-7/10/06</b> <b>Restore the exposed soil to pre-construction conditions if this access is no longer needed. 6/5-7/10/07</b></p>	<p><b>Needs evaluation</b></p>
<p><b>Powers Rd. &amp; Woodhouse Ave.</b></p>	<p><b>A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers. 7/10/07</b></p> <p><b>Stone access was installed within the wetlands off Powers Rd. A culvert may be needed. Some haybales are in place at the crossing but more may be needed. 6/12-7/10/07</b></p>	<p><b>Monitor controls for effectiveness. Clean sediment from riprap as needed. 7/10/07</b></p> <p><b>Install culverts to reduce turbid run-off as needed. Ensure that controls are adequate to filter run-off at this location. Stabilize area as soon as possible. 6/12-7/10/07</b></p>	<p><b>NA</b></p> <p><b>A few controls were in place; continue to monitor and evaluate</b></p>
<p><b>Woodhouse Ave. Harrison Rd.</b></p>	<p><b>Hay and seed remain along a steep slope adjacent to wetlands to Harrison Rd. 7/10/07</b></p>	<p><b>Hay and seed remain along a steep slope adjacent to wetlands to Harrison Rd. 7/10/07</b></p>	<p><b>NA at this time</b></p>
<p><b>Pond Hill Rd. &amp; Docker Dr.</b> (I 91 – Rte. 5)</p>	<p><b>Access roads partially installed. Controls were not in place at wetland crossings. 6/12-7/10/07</b></p>	<p><b>Add controls to protect wetlands. Monitor pond and reduce impacts from crossing to the extent feasible. 5/22-7/10/07</b></p>	<p><b>Needs attention/evaluation.</b></p>
<p><b>Pent Rd. &amp; Oliver Creek Rd.</b></p>	<p><b>Clearing complete within the Quinnipiac floodplain, including at the streambank. 6/12/07 No controls were added but stumps/ roots were retained. 5/30-7/10/07</b></p>	<p><b>Now that clearing is complete, add controls as needed and stabilize sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 6/12-7/10/07</b></p>	<p><b>Needs evaluation.</b></p>
<p><b>S. Turnpike + Merritt Parkway Area</b></p>	<p><b>Clearing off Merritt Parkway within wetlands is complete. Mulch</b></p>	<p><b>Add controls along the steep slope to the river and monitor the area</b></p>	<p><b>Continue to monitor.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Mansion Rd. Apple Orchard</b></p>	<p>remains along the steep slope. 7/10/07</p> <p>Small sections of silt fence are in place strategically at run-off points and near wetlands. Run-off was contained by controls. Some sections need minor repair and sediment accumulation was noted. 3/13-7/10/07</p> <p>Access is adjacent to two wetlands. Controls were added. 6/26/07 Equipment tracks were noted in an undisturbed section of wetland, leaving ruts and disturbing vegetation. 6/12-7/10/07</p> <p>A small channel was installed to divert a spring but is causing turbid water to pool at the edge of the access road. 6/19-7/10/07</p>	<p>closely for erosion. Add EC blankets if necessary. 7/10/07</p> <p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-7/10/07</p> <p>Prevent equipment access in wetlands unless work is permitted there. Repair damage as feasible. Ensure that controls are installed prior to disturbance in wetlands. 7/10/07</p> <p>A culvert appears to be necessary to prevent turbid water from ponding and reaching wetlands. 6/19-7/10/07</p>	<p>Needs regular maintenance.</p> <p>Continue to monitor.</p> <p>Needs evaluation.</p>
<p><b>Mansion Rd. to Tuttle Ave.</b></p>	<p>Several wetland crossings are located here. Filter socks and culverts remain in place, and disturbed areas remain seeded and mulched. 7/10/07</p>	<p>Monitor controls closely and add new controls as needed. Continue to install appropriate crossing measures prior to equipment accessing wetlands. 7/10/07</p>	<p>Continue to monitor.</p>
<p><b>Old Farms Rd.</b></p>	<p>Clearing complete along the roadway. Add controls as needed and retain the no access areas 7/10/07</p> <p>Silt fence is in place and intact on one side of the access drive and near the stone pads in saturated areas. Site is stable with no turbid run-off noted; turbid run-off has the potential to reach off-site wetlands. 7/10/07</p>	<p>Controls may be needed at no access area and upgradient from wetlands. 7/10/07</p> <p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-7/10/07 It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands in the past.</p>	<p>Needs to be monitored.</p> <p>Needs to be monitored No immediate issues, but needs evaluation and attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Old Farms Rd. (Equipment Storage Area)</b></p> <p><b>Old Farms Rd. (115kV Underground work)</b></p>	<p><b>The equipment storage yard off Old Farms Rd. no longer appears active. Silt fence is in disrepair in some spots. 4/17-7/10/07</b></p> <p><b>Trench boxes were in place and the area was stable at the transition point. 7/10/07</b></p> <p><b>Repair work continues in some locations along the deteriorating patch. Gutter buddies &amp; silt socks were also in place. 7/10/07 Sediment accumulation was noted along the roadway. 6/26-7/10/07</b></p>	<p><b>2/21-7/10/07</b></p> <p><b>If work will not return, remove the silt fence and any remaining construction materials 4/17-7/10/07</b></p> <p><b>Restore original conditions when feasible. 7/10/07</b></p> <p><b>See access road section. Sweep roadway when feasible. Repave/repair road as soon as feasible. 7/10/07</b></p>	<p><b>Needs attention when feasible.</b></p> <p><b>NA</b></p> <p><b>Needs regular attention Repairs were occurring</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p> <p><b>Carpenter Ln. to Rte 68</b></p>	<p><b>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 7/10/07</b></p> <p><b>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 7/10/07</b></p> <p><b>Timber mat staging areas And several poured foundations in place within wetlands off Carpenter Ln. and several foundations were installed. Sediment was noted within controls, accumulating at the wetland edge. 5/8-7/10/07</b></p> <p><b>The final foundation was placed in a small stream channel as permitted but is blocking flow. 6/19-7/10/07</b></p>	<p><b>Approved work in wetlands will follow the permit guidelines. 7/10/07</b></p> <p><b>This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 7/10/07</b></p> <p><b>Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8-7/10/07</b></p> <p><b>Redirect or restore the channel to re-establish the hydrology and prevent erosion during storms. 6/19-7/10/07</b></p>	<p><b>NA</b></p> <p><b>Needs to be monitored</b></p> <p><b>Needs evaluation</b></p> <p><b>Needs channel restoration.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd to East Center St.	A culvert and permanent road have been installed. Timber mats used in wetlands for staging area. 7/10/07		
Powers Rd. & Woodhouse Ave.	Exposed soil remains adjacent to wetlands off Williams Rd. after timber mats were removed. 5/8-7/10/07	See erosion control section. Controls/stabilization are needed here. 5/8-7/10/07	Needs evaluation
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	The stone access road remains in place in wetlands off Powers Rd.. A culvert may be needed. A few controls were in place. 6/12-7/10/07	Monitor area closely and determine if conditions require a culvert. See erosion control section. 6/12-7/10/07	Needs evaluation
Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area	Previous clearing and access had occurred through two wetlands and a small pond. Stream near Rte 5 was clear 7/10/07	See erosion control and access road sections. 7/10/07	Needs to be monitored
Mansion Rd. Apple Orchard	Clearing complete in the Quinnipiac River floodplain and along the bank off Merritt Parkway. Mulch was applied but more controls may be necessary. 7/10/07	See erosion controls section. Retain as much vegetation as feasible and reduce soil disturbance. Additional controls should be added due to the steep slope. Install EC blankets if needed. 7/10/07	Needs to be monitored.
Old Farms Rd.	Pad site installed within the edge of a wetland as permitted. However tracks from equipment were noted within an undisturbed portion of wetland. 6/12-7/10/07	See erosion controls section. Add culvert as needed. 7/10/07	Needs additional evaluation
State species of concern, threatened and endangered species.	Clearing within wetlands complete. Area appears stable but no controls were added. 7/3-7/10/07	Monitor newly cleared areas and add controls as needed. 7/10/07	NA at this time
	A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing.	Continue to monitor area and retain distance from active work. 7/10/07	NA





Areas of Inspection	Observation	Recommended Action	Corrected Action
S. Turnpike + Merritt Parkway Area	No new clearing noted in this section. Mulch remains on the slopes to prevent erosion. More controls may be needed on the riverbank. 7/10/07	7/10/07 Monitor area and add controls as needed. 7/10/07	NA
Dewatering	Dewatering was required at the foundations installed south of Carpenter Ln. Some slurry did migrate to the line of controls at the wetland. 5/8-7/10/07	Monitor dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-7/10/07	Needs evaluation and attention.
Blasting	No blasting is proposed. 7/10/07	None	NA
Spills, soils and material storage  Carpenter Lane  Old Farms Rd. (Equipment Storage Area)	Spill control materials are being brought to sites when work is performed. Small drip stains have been noted in several work areas along the ROW. 7/10/07  Hydraulic fluid was noted leaking from equipment stored within the ROW. 7/10/07  The storage yard for the underground work off Old Farms Rd. remains inactive. 7/10/07	Always use spill control materials when working on equipment and during refueling. Replace as needed. Check equipment daily for leaks and repair as soon as possible. 7/10/07  Clean affected area, repair equipment, and place spill controls as needed. 7/10/07  If storage yard will no longer be used, remove silt fence and small asphalt stockpile. 5/2-7/10/07	Needs regular attention.  Needs attention.  Areas should be restored.
Additional Observations	Property owner in the vicinity of Williams Rd. appears to have used personal equipment to alter wetland areas. 7/10/07  An area identified with potential historical/cultural significance is located off Durham Rd. Soils cannot be disturbed here. Noted 5/15/07	Noted for the record. The work is not project related. 7/10/07  Access road construction here included careful stone installation, and avoided grading. Noted 5/15/07	Non-jurisdictional to this D&M plan.  Continue to monitor

**Next likely scheduled  
inspection:**

**Tuesday July 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:** Matthew Creighton, BSC Group

**Reviewer:** Diana Walden, BSC Group



**Foundation was placed in a small stream channel off Carpenter Lane. Create a new channel/or provide stream restoration to re-establish the hydrology.**



**Sediment/turbid run-off was appropriately filtered by a haybale check-dam within wetlands off Carpenter Lane. Remove sediment when feasible to restore capacity.**



**Hydraulic fluid dripping from equipment parked off Carpenter Ln.**



**Clearing off Woodhouse Ave looking toward Harrison Rd.**



**A drainage channel was dug within the apple orchard off Mansion Rd. A culvert appears to be necessary to reduce sedimentation**



**Mulch and filter socks are in place along recently cleared slopes in the Tuttle Ave area.**



**The roadway and trench patch along Old Farms Rd. was being repaved.**



**New pad site was installed off Old Farms Road.**