

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: June 26, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.44” of precipitation was recorded in the week prior to inspection, with 0.34” reported on 6/21 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Timber mats are in place at wetland crossings and staging areas. 6/26/07	See Erosion Control Section for more details 6/26/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. The access road is complete here. 6/26/07	Add controls as needed along the wetlands. See the erosion control section. 6/26/07	NA
	A culvert is in place at a small access road stream crossing to reach several pad sites between High Hill Rd. and Carpenter Ln 6/26/07	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. 6/26/07	NA at this time
Durham Rd.	Access road and pads are in place moving north toward Rte. 68. 6/26/07	Monitor access road and add controls as needed. 6/26/07	NA
Williams Rd. to East Center St.	Stone is now in place for access at a previously mowed area off Williams Rd. 6/26/07	Stone will be removed and lawn area will need to be restored upon completion of the project work. 6/19/07	NA
	Exposed soil at Williams Rd. crossing did not appear to be fully contained adjacent to a wetland area (noted since	The old access road area should be stabilized and regraded to original contours as necessary. Promote establishment of	Needs evaluation

Areas of Inspection	Observation	Recommended Action	Corrected Action
Powers Rd	<p>4/24). This old access now connects with a new stone access road installed through a wetland. 6/26/07</p> <p>A stone base access road and some controls are in place within this section. 6/26/07</p>	<p>vegetative cover. 6/5-6/26/07</p> <p>Continue to monitor and ensure controls are adequate. See erosion control section. 6/26/07</p>	<p>NA</p>
<p>S. Turnpike + Merritt Parkway Area; Mansion Rd.; Powers Rd. & Woodhouse Ave.; Durham Rd.; Liney Hall Ln.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.</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. 6/26/07</p>	<p>Continue to monitor entrances and sweep as needed. 6/26/07</p>	<p>NA</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>New clearing stopped for now, between I 91 to Rte 5. Several wetland crossings involved but appropriate crossing techniques were not observed. 5/30-6/26/07</p>	<p>Limit pond crossing and impacts to the extent feasible. Add controls and appropriate crossing measures. 5/30-6/26/07</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. 6/26/07</p>	<p>Prevent equipment access in wetlands whenever possible. 6/19-6/26/07</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 Turbid water was pooling on the access road. 6/19-6/26/07</p>	<p>A culvert appears to be necessary to prevent sedimentation. 6/19-6/26/07</p>	<p>Needs evaluation and attention.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>Access road installation is complete moving from Tuttle Ave. toward Mansion Rd. Equipment had been driving through several wetlands without appropriate crossings but culverts, haybales, fiber rolls, and hay/seed have now been used to stabilize soils. 6/26/07</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). 6/26/07</p>	<p>Continue to monitor.</p>
<p>Old Farms Road</p>	<p>Plywood is being used to reduce impact to the</p>	<p>Continue to monitor for sediment on roadway and</p>	<p>Plywood is used to protect driveways from</p>

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<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>driveways crossing the ROW from equipment crossing. 6/26/07</p> <p>Stone is being added to the access road surface and pad sites are being installed. Site is dry and stable. 6/26/07</p> <p>The deteriorating trench patch with loose asphalt “crumbling” and potholes noted in past weeks is starting to be repaired. Some dust/tracking was noted on the roadway. 6/19-6/26/07</p>	<p>driveways; continue to use rubber mats or plywood to protect driveways. 6/26/07</p> <p>Add controls as needed in saturated areas and along wetlands. 6/26/07</p> <p>Sweep roadway as needed upon completion of work. 6/19-6/26/07</p>	<p>equipment damage (proactively).</p> <p>NA</p> <p>Patch work was occurring in the roadway. Needs regular attention</p>
<p>Foundation and site construction</p> <p>High Hill Rd., Carpenter Lane</p> <p>Durham Rd. Liney Hall Lane Williams Rd to East Center St.</p> <p>Powers Rd. & Woodhouse Ave.</p> <p>Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Pent Rd. & Oliver Creek Rd.</p>	<p>No new work since the third foundation was poured in the middle of a small channel as permitted. 6/26/07</p> <p>Clearing appears complete, access road and pad sites remain in place at sites. 6/26/07</p> <p>No new work since the stone access road was installed northeast off Powers Rd. through wetlands. 6/26/07</p> <p>Clearing and pad construction was complete through this section off Harrison Rd 6/26/07</p> <p>Tree removal is scheduled. Road construction and pad installation is underway 6/26/07</p> <p>Access road and pad sites are installed. 6/26/07</p>	<p>See wetland section for more details and recommendation. 6/26/07</p> <p>See erosion control section. 6/26/07</p> <p>Add controls to protect wetlands as needed as work continues. See erosion control section. 6/26/07</p> <p>Add controls to protect wetlands as needed as work continues. See erosion control & state-listed species sections. 6/26/07</p> <p>See erosion controls section. 6/26/07</p> <p>See erosion control section. 6/26/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>Road construction started.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>S. Turnpike + Merritt Parkway Area</p> <p>Mansion Rd. Apple Orchard</p> <p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Trees were being felled by hand off the Merritt Parkway and were being chpped/grinded. 6/26/07</p> <p>Access roads and pads have been installed. Some pad installation is within wetlands as permitted. 6/26/07</p> <p>New road construction underway. Controls were in place at wetland crossings. 6/26/07</p> <p>Trench box installation is complete. A pit remains where the underground line will eventually transition to overhead. Minor work on the underground section and patchwork was occurring on the roadway. 6/26/07</p>	<p>See erosion control section. Add controls as needed. 6/26/07</p> <p>See access roads, erosion control, and wetland sections 6/26/07</p> <p>See access roads and erosion control sections. 6/26/07</p> <p>See access road section for more details. 6/26/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>
<p>Erosion and sediment controls</p> <p>High Hill Rd. to Rt. 68</p>	<p>Silt fence and haybales adjacent to the wetland near High Hill Rd. entrance are in disrepair. (noted 3/6) A line of new haybales remains in place to reinforce the controls. Turbid water flows through during heavy rains but was not noted this week. 6/26/07</p> <p>Mulch and seed remain along the slopes and filter socks are in place at pad sites upgradient of wetlands. 6/26/07</p> <p>Slurry run-off and sediment accumulation had reached the line of haybales at the wetland at one of the previously poured foundation locations. 5/8-6/26/07</p> <p>Turbid run-off was noted filtering through haybale</p>	<p>Inspect and maintain silt fence/haybales as needed. Remove/replace existing degraded controls and monitor for run-off. 4/20-6/26/07</p> <p>Monitor for vegetative cover or erosion issues and adjust controls as needed. 6/26/07</p> <p>Remove slurry/sediment from wetlands where it is greater than 2" deep and restore the area to promote vegetative cover. 5/8-6/26/07</p> <p>Remove any accumulated sediment at the controls</p>	<p>Needs evaluation and attention. Controls were added to new pad site.</p> <p>NA.</p> <p>Needs evaluation and attention</p> <p>Check dams were functioning well</p>

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Durham Rd.	<p>check dams before leaving the site. Sediment accumulation was noted here. 6/26/07</p> <p>Haybales in place at wetland near site entrance. No run-off noted. 6/26/07</p>	<p>and stabilize area as soon as work is complete. 6/19-6/26/07</p> <p>Monitor and add controls as needed as new pads are installed. 6/26/07</p>	<p>but need regular attention.</p> <p>NA</p>
Liney Hall Ln.	<p>A culvert remains at the small stream crossing. No sediment issues noted 6/26/07</p>	<p>Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 6/26/07</p>	<p>NA</p>
Williams Rd to East Center St.	<p>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. 6/5-6/26/07</p>	<p>Add appropriate controls between the exposed soil and the undisturbed portion of wetlands. 5/2-6/26/06</p> <p>Restore the exposed soil to pre-construction conditions if this access is no longer needed. 6/5-6/26/07</p>	<p>Needs evaluation</p>
Powers Rd. & Woodhouse Ave.	<p>A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers 6/26/07</p> <p>Stone access was installed within the wetlands moving northeast off Powers Rd. A culvert may be needed. Some haybales are in place at the crossing but more may be needed. 6/12-6/26/07</p>	<p>Monitor controls for effectiveness. Clean sediment from riprap as needed. 6/26/06</p> <p>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. 6/12-6/26/07</p>	<p>NA</p> <p>A few controls were added; continue to monitor and evaluate</p>
Harrison Rd.	<p>Hay and seed remain along a steep slope adjacent to wetlands to Harrison Rd. 6/26/07</p>	<p>Monitor for vegetative cover and adjust controls as needed. 6/26/07</p>	<p>NA at this time</p>
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	<p>New access roads partially installed. Controls were not in place at wetland</p>	<p>Add controls to protect wetlands. Monitor pond and reduce impacts from crossing to the extent</p>	<p>Needs attention/evaluation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Pent Rd. & Oliver Creek Rd.</p>	<p>crossings. 6/12-6/26/07 Clearing complete within the Quinnipiac flood-plain, including at the streambank. 6/12/07 No controls were added but stumps/ roots were retained. 5/30-6/26/07</p>	<p>feasible. 5/22-6/26/07 Upon completion of clearing add controls as needed and stabilize sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 5/30-6/26/07</p>	<p>Needs evaluation.</p>
<p>S. Turnpike + Merritt Parkway Area</p>	<p>Hand clearing off Merritt Parkway was underway within wetlands. Clearing and chipping were occurring at a steep slope. No controls were added. 6/26/07</p>	<p>Add controls along the steep slope to the river and monitor the area closely for erosion. 6/26/07</p>	<p>Needs evaluation</p>
<p>Mansion Rd. Apple Orchard</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. 3/13-6/26/07</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-6/26/07</p>	<p>Needs regular maintenance.</p>
<p>Mansion Rd. to Tuttle Ave.</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. 6/12-6/26/07</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. 6/26/07</p>	<p>Controls were added. Continue to monitor.</p>
<p>Mansion Rd. to Tuttle Ave.</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. 6/19-6/26/07</p> <p>Several wetland crossings are located here. Filter socks and culverts remain in place, and disturbed areas remain seeded and mulched. 6/26/07</p>	<p>A culvert appears to be necessary to prevent turbid water from ponding and reaching wetlands. 6/19-6/26/07</p> <p>Monitor controls closely and add new controls as needed. Continue to install appropriate crossing measures prior to equipment accessing wetlands. 6/26/07</p>	<p>Needs evaluation.</p> <p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>several foundations were installed. Sediment was noted within controls, accumulating at the wetland edge. 5/8-6/26/07</p>	<p>before removing controls. Monitor for run-off 5/8-6/26/07</p>	
<p>Liney Hall Ln.</p>	<p>The final foundation was placed in a small stream channel as permitted but is blocking flow. 6/19-6/26/07</p>	<p>Redirect or restore the channel to re-establish the hydrology and prevent erosion during storms. 6/19-6/26/07</p>	<p>Needs channel restoration.</p>
<p>Williams Rd to East Center St.</p>	<p>A culvert and permanent road remain in the wetland. 6/26/07</p>	<p>See erosion control section for more information. 6/26/07</p>	<p>NA</p>
<p>Powers Rd. & Woodhouse Ave.</p>	<p>Exposed soil remains adjacent to wetlands off Williams Rd. after timber mats were removed. 5/8-6/26/07</p>	<p>See erosion control section. Controls/ stabilization are needed here. 5/8-6/26/07</p>	<p>Needs evaluation</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>The stone access road is now in place in wetlands off Powers Rd.. A culvert may be needed. A few controls were in place. 6/12-6/26/07</p>	<p>Monitor area closely and determine if conditions require a culvert. See erosion control section. 6/12-6/26/07</p>	<p>Needs evaluation</p>
<p>Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area</p>	<p>Clearing and access had occurred through two wetlands and a small pond. Stream near Rte 5 was clear 6/26/07</p>	<p>See erosion control and access road sections. 6/26/07</p>	<p>Needs to be monitored</p>
<p>Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area</p>	<p>Clearing underway in wetlands along the Quinnipiac River off Merritt Parkway. Trees were hand felled and winched. No controls installed but stumps and roots were retained. 6/26/07</p>	<p>See erosion controls section. Retain as much vegetation as feasible and reduce soil disturbance. Controls should be added due to the steep slope. 6/26/07</p>	<p>Low impact clearing was performed but needs evaluation.</p>
<p>Mansion Rd. Apple Orchard</p>	<p>Pad site installed within the edge of a wetland as permitted. However tracks from equipment were noted within an undisturbed portion of wetland. 6/12-6/26/07</p>	<p>See erosion controls section. Add culvert as needed. 6/26/07</p>	<p>Controls were added. Needs additional evaluation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>Controls are in place at wetland crossings. 6/26/07</p> <p>Clearing within wetlands complete. Area appears stable but no controls were added. 6/26/07</p>	<p>Continue to add controls to protect wetlands and appropriate crossing measures to prevent rutting. 6/26/07</p> <p>Monitor newly cleared areas and add controls as needed. 6/26/07</p>	<p>NA</p> <p>NA at this time</p>
<p>State species of concern, threatened and endangered species.</p> <p>Liney Hall Rd;</p> <p>Woodhouse Ave; Harrison Rd.</p>	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 6/26/07</p> <p>Several frog and salamander egg masses were noted within a pool located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 6/26/07</p> <p>An Eastern box turtle was accidentally crushed by equipment in the new ROW clearing off Woodhouse Ave. (5/8/07) This area was not marked as a potential area for Eastern box turtles according to the D&M plan, DEP response letter and NDDB website. 6/26/07</p>	<p>Continue to monitor area and maintain a distance from the active work. 6/26/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 6/26/07</p> <p>The area should receive the same attention as known protected habitat area along the ROW. Sweeps for turtles should be performed regularly in this area before equipment progresses. 6/26/07</p>	<p>NA</p> <p>NA</p> <p>The turtle observation was reported appropriately and sweeps should continue to be performed.</p>
<p>Vegetative clearing or stabilization</p> <p>Most work areas</p> <p>Williams Rd to East Center St.</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing 6/26/07</p> <p>Clearing is complete within/ adjacent to wetlands. Trees are being removed from the site. Some areas of exposed</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan. Be extremely mindful of the extent of clearing flags. 6/26/07</p> <p>Stabilize exposed soil within/adjacent to wetlands. Add controls as needed within wetlands. See erosion</p>	<p>NA</p> <p>Needs evaluation and attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Powers Rd. Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5); Pent Rd. & Oliver Creek Rd.</p> <p>Woodhouse Ave.; Harrison Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p>	<p>soil need controls. 6/26/07</p> <p>Clearing is largely complete within and adjacent to wetlands, and wetland crossings are necessary in these areas. Larger tree clearing is scheduled at Pond Hill. A small section across the river remains to be cleared in the Oliver Creek Rd. section. 6/26/07</p> <p>No new clearing in this area. Some exposed areas remain seeded and mulched. 6/26/07</p> <p>Low impact, hand felling underway east of Merritt Parkway. Trees are being felled along a steep slope to the river and mulched onsite. No controls noted. 6/26/07</p>	<p>control section 6/26/07</p> <p>See erosion control section. Continue to use low impact techniques in these areas. 6/26/07</p> <p>Monitor for vegetative cover on the steep slope. Continue to reduce impacts to the stream and to the turtle habitat. 6/26/07</p> <p>Monitor area and add controls as needed. Stabilize soils along the slope. 6/26/07</p>	<p>NA at this time</p> <p>NA</p> <p>Needs to be monitored</p>
<p>Dewatering</p>	<p>Dewatering was required at the foundations installed south of Carpenter Ln. Some slurry did migrate to the line of controls at the wetland. 5/8-6/26/07 Turbid run-off was noted near the most recent foundation but was filtered by vegetation and check dams. 6/26/07</p>	<p>Monitor dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-6/26/07</p> <p>Contain run-off if necessary. 6/26/07</p>	<p>Needs evaluation and attention.</p>
<p>Blasting</p>	<p>No blasting is proposed. 6/26/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>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. 6/26/07</p>	<p>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. 6/26/07</p>	<p>Needs regular attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Powers Road	Portable sanitary facility is located upgradient from wetlands onsite. 6/19-6/26/07	Relocate and keep all facilities and equipment stored 100 feet from wetlands in case of a spill. 6/19-6/26/07	Needs attention.
Old Farms Rd. (Equipment Storage Area)	The storage yard for the underground work off Old Farms Rd. is no longer active. 6/26/07	If storage yard will no longer be used, remove silt fence and small asphalt stockpile. 5/2-6/26/07	Areas should be restored.
Additional Observations	An area identified with potential historical/cultural significance is located off Durham Rd. Soils cannot be disturbed here. Noted 5/15/07	Access road construction here included careful stone installation, and avoided grading. Noted 5/15/07	Continue to monitor

Next likely scheduled inspection: Tuesday July 3, 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.



New stone access roads and pad installed off Docker Dr.



Clearing and mulching noted up to the Merritt Parkway (Rt 15).



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



Access road has been installed off of Tuttle Ave. Filter socks, hay mulch and seed remain in place for control and stabilization.



Stone was being added to the access road and pad sites off Old Farms Rd.



Crews were working along Old Farms Rd.