

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 3, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.27” of precipitation was recorded in the week prior to inspection, with 0.15” reported on 6/30 (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. 7/3/07	See Erosion Control Section for more details 7/3/07	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. 7/3/07	Add controls as needed along the wetlands. See the erosion control section. 7/3/07	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 7/3/07	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. 7/3/07	NA
Durham Rd.	Access road and pads are in place moving north toward Rte. 68. 7/3/07	Monitor access road and add controls as needed. 7/3/07	NA
Williams Rd. to East Center St.	Stone is now in place for access at a previously mowed area off Williams Rd. 7/3/07	Stone will be removed and lawn area will need to be restored upon completion of the project work. 7/3/07	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. 7/3/07</p> <p>A stone base access road and some controls are in place within this section. 7/3/07</p>	<p>vegetative cover. 6/5-7/3/07</p> <p>Continue to monitor and ensure controls are adequate. See erosion control section. 7/3/07</p>	NA
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.	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. 7/3/07	Continue to monitor entrances and sweep as needed. 7/3/07	NA
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	New clearing stopped for now, between I 91 to Rte 5. Several wetland crossings involved but appropriate crossing techniques were not observed. 5/30-7/3/07	Limit pond crossing and impacts to the extent feasible. Add controls and appropriate crossing measures. 5/30-7/3/07	Needs attention/evaluation at wetland crossings.
Mansion Rd. Apple Orchard	<p>Access road and pad construction appear complete within the orchard. Vehicle tracks were noted within some wetlands (since 6/19). 7/3/07</p> <p>A small channel was diverted/dug along the access road Turbid water was pooling on the access road. 6/19-7/3/07</p>	<p>Prevent equipment access in wetlands whenever possible. 6/19-7/3/07 Repair tracks if feasible without causing more disturbance. 7/3/07</p> <p>A culvert appears to be necessary to prevent sedimentation. 6/19-7/3/07</p>	Needs evaluation and attention.
Mansion Rd to Tuttle Ave.	Equipment had been driving through several wetlands without appropriate crossings but culverts, haybales, fiber rolls, and hay/seed remain in place to stabilize soils. 7/3/07	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). 7/3/07	Continue to monitor.
Old Farms Road	Plywood is being used to reduce impact to the driveways crossing the ROW from equipment	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or	Plywood is used to protect driveways from equipment damage (proactively)

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Orchard</p> <p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>have been installed. Some pad installation is within wetlands as permitted. 7/3/07</p> <p>Road construction is underway. Controls were in place at wetland crossings. 7/3/07</p> <p>Trench box installation is complete. A pit remains where the underground line will eventually transition to overhead. A pad site was being constructed. Minor work on the underground section was occurring on the roadway. 7/3/07</p>	<p>control, and wetland sections. 7/3/07</p> <p>See access roads and erosion control sections. 7/3/07</p> <p>See access road section for more details. 7/3/07</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. 7/3/07</p> <p>Mulch and seed remain along the slopes and filter socks are in place at pad sites upgradient of wetlands. 7/3/07</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. 5/8-7/3/07</p> <p>Turbid run-off was noted filtering through haybale check dams before leaving the site. Sediment accumulation was noted here. 6/19-7/3/07</p>	<p>Inspect and maintain silt fence/haybales as needed. Remove/replace existing degraded controls and monitor for run-off. 4/20-7/3/07</p> <p>Mulch and seed remain along the slopes and filter socks are in place at pad sites upgradient of wetlands. 7/3/07</p> <p>Remove slurry/sediment from wetlands where it is greater than 2" deep and restore the area to promote vegetative cover. 5/8-7/3/07</p> <p>Remove any accumulated sediment at the controls and stabilize area as soon as work is complete. 6/19-7/3/07</p>	<p>Needs evaluation and attention.</p> <p>NA</p> <p>Needs evaluation and attention</p> <p>Check dams were functioning well but need regular attention.</p>

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Durham Rd.	Haybales in place at wetland near site entrance. No run-off noted. 7/3/07	Monitor and add controls as needed as new pads are installed. 7/3/07	NA
Liney Hall Ln.	A culvert remains at the small stream crossing. No sediment issues noted 7/3/07	Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 7/3/07	NA
Williams Rd to East Center St.	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. 6/5-7/3/07	Add appropriate controls between the exposed soil and the undisturbed portion of wetlands. 5/2-7/3/06 Restore the exposed soil to pre-construction conditions if this access is no longer needed. 6/5-7/3/07	Needs evaluation
Powers Rd. & Woodhouse Ave.	A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers. 7/3/07 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. 6/12-7/3/07	Monitor controls for effectiveness. Clean sediment from riprap as needed. 7/3/07 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. 6/12-7/3/07	NA A few controls were added; continue to monitor and evaluate
Harrison Rd.	Hay and seed remain along a steep slope adjacent to wetlands to Harrison Rd. 7/3/07	Monitor for vegetative cover and adjust controls as needed. 7/3/07	NA at this time
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	New access roads partially installed. Controls were not in place at wetland crossings. 6/12-7/3/07	Add controls to protect wetlands. Monitor pond and reduce impacts from crossing to the extent feasible. 5/22-7/3/07	Needs attention/evaluation.
Pent Rd. & Oliver Creek Rd.	Clearing complete within the Quinnipiac floodplain, including at the streambank. 6/12/07. No	Now that clearing is complete, add controls as needed and stabilize	Needs evaluation.

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<p>S. Turnpike + Merritt Parkway Area</p>	<p>streambank. 6/12/07 No controls were added but stumps/ roots were retained. 5/30-7/3/07</p> <p>Clearing off Merritt Parkway within wetlands is complete. Mulch was applied to the steep slope. 7/3/07</p>	<p>sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 6/12-7/3/07</p> <p>Add controls along the steep slope to the river and monitor the area closely for erosion. Add EC blankets if necessary. 7/3/07</p>	<p>Mulch was applied on the slope. Continue to monitor.</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. 3/13-7/3/07</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-7/3/07</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. 6/12-7/3/07</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. 6/19-7/3/07</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. 7/3/07</p>	<p>Continue to monitor.</p> <p>Needs evaluation.</p>
<p>Mansion Rd. to Tuttle Ave.</p>	<p>Several wetland crossings are located here. Filter socks and culverts remain in place, and disturbed areas remain seeded and mulched. 7/3/07</p>	<p>Monitor controls closely and add new controls as needed. Continue to install appropriate crossing measures prior to equipment accessing wetlands. 7/3/07</p>	<p>Continue to monitor.</p>
<p>Old Farms Rd.</p>	<p>Clearing complete along the roadway. Add controls as needed and retain the no access areas. 7/3/07</p>	<p>Controls may be needed at no access area and above wetlands. 7/3/07</p>	<p>Needs to be monitored.</p>

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<p>Old Farms Rd. (Equipment Storage Area)</p> <p>Old Farms Rd. (115kV Underground work)</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. 7/3/07</p> <p>The equipment storage yard off Old Farms Rd. no longer appears active. Silt fence is in disrepair in some spots. 4/17-7/3/07</p> <p>Trench boxes were installed and the area was stable at the transition point. 7/3/07</p> <p>Repair work had occurred in some locations along the deteriorating patch. Gutter buddies & silt socks were also installed. Sediment accumulation was noted along the roadway. 6/26-7/3/07</p>	<p>Controls may be needed at no access area and upgradient from wetlands. 7/3/07 It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands in the past. 2/21-7/3/07</p> <p>If work will not return, remove the silt fence and any remaining construction materials 4/17-6/26/07</p> <p>Restore original conditions when feasible. 6/26/07</p> <p>See access road section. Sweep roadway when feasible. Repave/repair road as soon as feasible. 7/3/07</p>	<p>Needs to be monitored</p> <p>Needs attention when feasible.</p> <p>NA</p> <p>Needs regular attention</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Carpenter Ln. to Rte 68</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 7/3/07</p> <p>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 7/3/07</p> <p>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,</p>	<p>Approved work in wetlands will follow the permit guidelines. 7/3/07</p> <p>This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 7/3/07</p> <p>Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8-7/3/07</p>	<p>NA</p> <p>Needs to be monitored</p> <p>Needs evaluation</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>accumulating at the wetland edge. 5/8-7/3/07</p> <p>The final foundation was placed in a small stream channel as permitted but is blocking flow. 6/19-7/3/07</p>	<p>Redirect or restore the channel to re-establish the hydrology and prevent erosion during storms. 6/19-7/3/07</p>	<p>Needs channel restoration.</p>
<p>Williams Rd to East Center St.</p>	<p>Exposed soil remains adjacent to wetlands off Williams Rd. after timber mats were removed. 5/8-7/3/07</p>	<p>See erosion control section. Controls/stabilization are needed here. 5/8-7/3/07</p>	<p>Needs evaluation</p>
<p>Powers Rd. & Woodhouse Ave.</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. 6/12-7/3/07</p>	<p>Monitor area closely and determine if conditions require a culvert. See erosion control section. 6/12-7/3/07</p>	<p>Needs evaluation</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>Clearing and access had occurred through two wetlands and a small pond. Stream near Rte 5 was clear 7/3/07</p>	<p>See erosion control and access road sections. 7/3/07</p>	<p>Needs to be monitored</p>
<p>Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area</p>	<p>Clearing complete in the Quinnipiac River floodplain and along the bank off Merritt Parkway. Mulch was applied but more controls may be necessary. 7/3/07</p>	<p>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. 7/3/07</p>	<p>Mulch was applied to the slope. Needs to be monitored.</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. 6/12-7/3/07</p>	<p>See erosion controls section. Add culvert as needed. 7/3/07</p>	<p>Controls were added. Needs additional evaluation.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>Controls are in place at wetland crossings. 7/3/07</p>	<p>Continue to add controls to protect wetlands and appropriate crossing measures to prevent rutting. 7/3/07</p>	<p>NA</p>
<p>Old Farms Rd.</p>	<p>Clearing within wetlands complete. Area appears stable but no controls</p>	<p>Monitor newly cleared areas and add controls as needed. 7/3/07</p>	<p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	were added. 7/3/07		
<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. 7/3/07</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. 7/3/07</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. 7/3/07</p>	<p>Monitor area. 7/3/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 7/3/07</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. 7/3/07</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>Powers Rd. Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5); Pent Rd. & Oliver Creek Rd.</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing 7/3/07</p> <p>Clearing is complete within/ adjacent to wetlands. Trees are being removed from the site. Some areas of exposed soil need controls. 7/3/07</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.</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. 7/3/07</p> <p>Stabilize exposed soil within/adjacent to wetlands. Add controls as needed within wetlands. See erosion control section. 7/3/07</p> <p>See erosion control section. Continue to use low impact techniques in these areas. 7/3/07</p>	<p>NA</p> <p>Needs evaluation and attention</p> <p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave.; Harrison Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p>	<p>7/3/07</p> <p>No new clearing in this area. Some exposed areas remain seeded and mulched. 7/3/07</p> <p>Clearing & chipping complete. Low impact hand felling completed in wetlands east of Merritt Parkway. Mulch was added to the slopes to prevent erosion. More controls may be needed on the riverbank. 7/3/07</p>	<p>Monitor for vegetative cover on the steep slope. Continue to reduce impacts to the stream and to the turtle habitat. 7/3/07</p> <p>Monitor area and add controls as needed. 7/3/07</p>	<p>NA</p> <p>Low impact clearing within wetlands is complete.</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. 5/8-7/3/07</p> <p>Turbid run-off was noted near the most recent foundation but was filtered by vegetation and check dams. 7/3/07</p>	<p>Monitor dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-7/3/07</p> <p>Contain run-off if necessary. 7/3/07</p>	<p>Needs evaluation and attention.</p>
<p>Blasting</p>	<p>No blasting is proposed. 7/3/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>Powers Road</p> <p>Old Farms Rd. (Equipment Storage Area)</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. 7/3/07</p> <p>The portable sanitary facility noted upgradient from wetlands since 6/19 has been removed. 7/3/07</p> <p>The storage yard for the underground work off Old Farms Rd. is no longer active. 7/3/07</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. 7/3/07</p> <p>Keep all facilities and equipment stored 100 feet from wetlands in case of a spill 7/3/07</p> <p>If storage yard will no longer be used, remove silt fence and small asphalt stockpile. 5/2-7/3/07</p>	<p>Needs regular attention.</p> <p>Sanitary facility has been removed/relocated.</p> <p>Areas should be restored.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
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 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: 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.



Timber mats installed within the wetlands off Liney Hall Ln.



Mulch in place on the slope off Merritt Parkway, adjacent to the river. Monitor carefully for any erosion and install erosion control mats if necessary. Root systems remain in place.



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



Sediment accumulation was noted in the gutter along the roadway on Old Farms Rd.



The trench patch along Old Farms Rd. still needs repair in some locations. A new pad site was being constructed.