

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 17, 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).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Timber mats are in place at wetland crossings and staging areas. 7/17/07	See Erosion Control Section for more details 7/17/07	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. 7/17/07	Add controls as needed along the wetlands. See the erosion control section. 7/17/07	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 7/17/07	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. 7/17/07	NA
Durham Rd.	Access road and pads are in place moving north toward Rte. 68. 7/17/07	Monitor access road and add controls as needed. 7/17/07	NA
Williams Rd. to East Center St.	Stone is now in place for access at a previously mowed area off Williams Rd. 7/17/07	Stone will be removed and lawn area will need to be restored upon completion of the project work. 7/17/07	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	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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>4/24). This old access now connects with a new stone access road installed through a wetland. 7/17/07</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. 7/17/07</p>	<p>vegetative cover. 6/5-7/17/07</p> <p>Continue to monitor entrances and sweep as needed. 7/17/07</p>	<p>NA</p>
<p>Pond Hill Rd. & 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. 5/30-7/17/07</p>	<p>Limit pond crossing and impacts to the extent feasible. Add controls and appropriate crossing measures before equipment returns 5/30-7/17/07</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). 7/17/07</p>	<p>Prevent equipment access in wetlands whenever possible. 6/19-7/17/07 Repair tracks if feasible without causing more disturbance 7/17/07</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. 6/19-7/17/07 Culverts are onsite but /not installed. 7/10-7/17/07</p>	<p>Monitor and add controls along wetland as needed and install a culverts to prevent water from pooling on the access road. 7/17/07</p>	<p>Needs evaluation and attention.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>Culverts, haybales, fiber rolls, and hay/seed remain in place to stabilize soils. 7/17/07</p>	<p>Retain the no access areas located off Mansion Rd. and Tuttle Ave (moving west). 7/17/07</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. 7/17/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 7/17/07</p>	<p>Plywood is used to protect driveways from equipment damage (proactively).</p>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Crews were on site, grinding the roadway and preparing for repaving</p>	<p>Sweep roadway as needed upon completion of work. 6/19-7/17/07</p>	<p>Repaving is occurring. Needs regular attention.</p>

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	<p>where the underground line will eventually transition to overhead. A pad site had been completed in the ROW. Crews were on site for roadway work/paving 7/17/07</p>		
<p>Erosion and sediment controls 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. 7/17/07</p> <p>Mulch and seed remain along the slopes and filter socks are in place at pad sites upgradient of wetlands. Grass growth was noted. 7/17/07</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. 5/8-7/17/07</p> <p>Turbid run-off was noted filtering through haybale check dams before leaving the site. Sediment accumulation was noted here. 6/19-7/17/07</p>	<p>Inspect and maintain silt fence/haybales as needed. Remove/replace existing degraded controls and monitor for run-off. 4/20-7/17/07</p> <p>Monitor for vegetative cover and adjust controls as needed. 7/17/07</p> <p>Remove slurry/sediment from wetlands where it is greater than 2" deep and restore the area to promote vegetative cover. 5/8-7/17/07</p> <p>Remove any accumulated sediment at the controls and stabilize area as soon as work is complete. 6/19-7/17/07</p>	<p>Needs evaluation and attention.</p> <p>Grass growth noted.</p> <p>Needs evaluation and attention</p> <p>Check dams were functioning well but need regular attention.</p>
Durham Rd.	<p>Haybales in place along wetland near site entrance. No run-off noted. 7/17/07</p>	<p>Monitor and add controls as needed as new pads are installed. 7/17/07</p>	<p>NA</p>
Liney Hall Ln.	<p>A culvert remains at the small stream crossing. No sediment issues noted 7/17/07</p>	<p>Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 7/17/07</p>	<p>NA</p>
Williams Rd to East Center St.	<p>Timber mats and silt fence remain in place at</p>	<p>Add appropriate controls between the exposed soil</p>	<p>Needs evaluation</p>

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<p>Powers Rd. & Woodhouse Ave.</p>	<p>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. 6/5-7/17/07</p> <p>A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers. 7/17/07</p> <p>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. 6/12-7/17/07</p>	<p>and the undisturbed portion of wetlands. 5/2-7/17/06</p> <p>Restore the exposed soil to pre-construction conditions if this access is no longer needed. 6/5-7/17/07</p> <p>Monitor controls for effectiveness. Clean sediment from riprap as needed. 7/17/07</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. 6/12-7/17/07</p>	<p>NA</p> <p>A few controls were in place; continue to monitor and evaluate</p>
<p>Woodhouse Ave. Harrison Rd.</p>	<p>Hay and seed remain along a steep slope adjacent to wetlands to Harrison Rd. A new area was being graded and is scheduled to be hydroseeded. 7/17/07</p>	<p>Hay and seed remain along a steep slope adjacent to wetlands to Harrison Rd. Hydroseed exposed soil as soon as possible. 7/17/07</p>	<p>NA at this time</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>Access roads partially installed. Controls were not in place at wetland crossings. 6/12-7/17/07</p>	<p>Add controls to protect wetlands. Monitor pond and reduce impacts from crossing to the extent feasible. 5/22-7/17/07</p>	<p>Needs attention/evaluation.</p>
<p>Pent Rd. & Oliver Creek Rd.</p>	<p>Clearing complete within the Quinnipiac floodplain, including at the streambank. 6/12/07 No controls were added but stumps/ roots were retained. 5/30-7/17/07</p>	<p>Now that clearing is complete, add controls as needed and stabilize sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 6/12-7/17/07</p>	<p>Needs evaluation.</p>
<p>S. Turnpike + Merritt Parkway Area</p>	<p>Clearing off Merritt Parkway within wetlands finished. Mulch remains along the steep slope.</p>	<p>Add controls along the steep slope to the river and monitor the area closely for erosion. Add</p>	<p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd. Apple Orchard</p>	<p>7/17/07</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. 3/13-7/17/07</p> <p>Equipment tracks were noted in an undisturbed section of wetland, leaving ruts and disturbing vegetation. 6/12-7/17/07</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. 6/19-7/17/07</p>	<p>EC blankets if necessary. 7/17/07</p> <p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-7/17/07</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. 7/17/07</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>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. 7/17/07</p>	<p>Monitor controls closely and add new controls as needed. Continue to install appropriate crossing measures prior to equipment accessing wetlands. 7/17/07</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 7/17/07</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. 7/17/07</p>	<p>Controls may be needed at no access area and upgradient from wetlands. 7/17/07</p> <p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-7/17/07 It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands in the past. 2/21-7/17/07</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>Old Farms Rd. (Equipment Storage Area)</p> <p>Old Farms Rd. (115kV Underground work)</p>	<p>The old equipment storage yard off Old Farms Rd. contains a small pile of old pavement. All equipment and silt fence has been removed. 7/17/07</p> <p>Roadway surface has been removed and prepared for repaving. 7/17/07</p>	<p>Remove the small soil/pavement stockpile from yard if it is associated with the project. 7/17/07</p> <p>See access road section. Sweep roadway when feasible at completion of work. 7/17/07</p>	<p>Silt fence & equipment were removed. Small stockpile should still be removed.</p> <p>Repairs were occurring</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Carpenter Ln. to Rte 68</p> <p>Williams Rd to East Center St.</p> <p>Powers Rd. & Woodhouse Ave.</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 7/17/07</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. 7/17/07</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, accumulating at the wetland edge. 5/8-7/17/07</p> <p>The final foundation was placed in a small stream channel as permitted but is blocking flow. 6/19-7/17/07</p> <p>Exposed soil remains adjacent to wetlands off Williams Rd. after timber mats were removed. 5/8-7/17/07</p> <p>The stone access road remains in place in</p>	<p>Approved work in wetlands will follow the permit guidelines. 7/17/07</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. 7/17/07</p> <p>Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8-7/17/07</p> <p>Redirect or restore the channel to re-establish the hydrology and prevent erosion during storms. 6/19-7/10/07</p> <p>See erosion control section. Controls/ stabilization are needed here. 5/8-7/17/07</p> <p>Monitor area closely and determine if conditions</p>	<p>NA</p> <p>Needs to be monitored</p> <p>Needs evaluation</p> <p>Needs channel restoration.</p> <p>Needs evaluation</p> <p>Needs evaluation</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>wetlands off Powers Rd. A culvert may be needed. A few controls were in place. 6/12-7/17/07</p> <p>Previous clearing and access had occurred through two wetlands and a small pond. Stream near Rte 5 was clear 7/17/07</p>	<p>require a culvert. See erosion control section. 6/12-7/17/07</p> <p>See erosion control and access road sections. 7/17/07</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. 7/17/07</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. 7/10-7/17/07</p>	<p>Needs to be monitored</p> <p>Monitor closely.</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. 6/12-7/17/07 Culverts may also be needed at two small saturated crossings. 7/17/07</p>	<p>See erosion controls section. Add culvert as needed. 7/17/07</p>	<p>Needs additional evaluation</p>
<p>Old Fams Rd.</p>	<p>Clearing within wetlands complete. Area appears stable but no controls were added. 7/3-7/17/07</p>	<p>Monitor newly cleared areas and add controls as needed. 7/17/07</p>	<p>NA at this time</p>
<p>State species of concern, threatened and endangered species.</p> <p>Liney Hall Rd;</p>	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 7/17/07</p> <p>Several frog and salamander egg masses were previously noted within a pool located off Liney Hall Ln. but the pool is now dry. This is not a state listed species issue but indicates good</p>	<p>Continue to monitor area and retain distance from active work. 7/17/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 7/17/07</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave; Harrison Rd.</p> <p>Mansion Rd. to Tuttle Ave</p>	<p>amphibian breeding habitat. 7/17/07</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 NDDDB website. 7/17/07</p> <p>Another Eastern box turtle was noted walking across the ROW access road in the section between Mansion Rd. and Tuttle Ave. This area was also not marked as potential habitat for Eastern box turtles according to the D&M plan, DEP response letter and NDDDB website. 7/17/07</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. 7/17/07</p> <p>The area should now 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. 7/17/07</p>	<p>The turtle observation was reported appropriately and sweeps should continue to be performed.</p> <p>Area needs to be monitored/swept regularly.</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 7/17/07</p> <p>Clearing is complete within/ adjacent to wetlands. Trees are being removed from the site. Some areas of exposed soil need controls. 7/17/07</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. 7/17/07</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 7/17/07</p> <p>Stabilize exposed soil within/adjacent to wetlands. Add controls as needed within wetlands. See erosion control section. 7/17/07</p> <p>See erosion control section. Continue to use low impact techniques in these areas. 7/17/07</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>Stump grinding and grading underway off Harrison. Hydroseeding is scheduled. 7/17/07</p> <p>No new clearing noted in this section. Mulch remains on the slopes to prevent erosion. More controls may be needed on the riverbank. 7/17/07</p>	<p>Monitor area until stable. Add controls as needed. 7/17/07</p> <p>Monitor area and add controls as needed. 7/17/07</p>	<p>NA at this time</p> <p>NA</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. 5/8-7/17/07</p>	<p>Monitor dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-7/17/07</p>	<p>Needs evaluation and attention.</p>
<p>Blasting</p>	<p>No blasting is proposed. 7/17/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>Carpenter Lane</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. 7/17/07</p> <p>A spill pad was placed over the hydraulic fluid that had leaked from the equipment stored within the ROW last week. The equipment remained in place. 7/10/07</p> <p>Equipment and silt fence was removed from the underground work storage yard off Old Farms Rd. A small soil/pavement stockpile remains in the yard. 7/17/07</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. 7/17/07</p> <p>Clean affected area, repair equipment, and place additional spill controls as needed. 7/17/07</p> <p>If storage yard will no longer be used, remove the small stockpile if it is associated with the project. 7/17/07</p>	<p>Needs regular attention.</p> <p>A spill pad was placed but more attention is needed.</p> <p>Silt fence was removed but needs some additional attention.</p>
<p>Additional Observations</p>	<p>Property owner in the vicinity of Williams Rd. appears to have used personal equipment to</p>	<p>Noted for the record. The work is not project related. 7/10/07</p>	<p>Non-jurisdictional to this D&M plan.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	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	Access road construction here included careful stone installation, and avoided grading. Noted 5/15/07	Continue to monitor

Next likely scheduled inspection:

Tuesday July 24, 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. Some controls were placed but additional attention is needed to clean the affected area.



Grading noted off Harrison Rd. as the area is being prepared for hydroseeding.



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



An Eastern box turtle was observed adjacent to wetlands in the Tuttle Ave and Mansion Rd. area. This was not a previously mapped habitat according to NDDB correspondence but should now be treated as such, and regularly swept.



Both photos show the grinding work along Old Farms Rd., in preparation for repaving the roadway and repairing the deteriorating trench patch