

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 5, 2007

Inspector: Matthew Creighton

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

Rainfall: 2.24” of precipitation was recorded in the week prior to inspection, with 1.34” on 6/4 (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. 6/5/07	See Erosion Control Section for more details 6/5/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. 6/5/07	Add controls as needed along the wetlands See the erosion control section. 6/5/07	NA
	A culvert was recently installed at a small access road stream crossing to reach several new pad sites between High Hill Rd. and Carpenter Ln. 6/5/07	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. 6/5/07	NA at this time
Durham Rd.	New section of access road and pads being installed. 6/5/07	Monitor new access road and add controls as needed. 6/5/07	NA.
Williams Rd. to East Center St.	Equipment had disturbed a mowed area at the access off Williams Rd. a few weeks ago. Stone base was now added to the area to prepare for truck traffic. 6/5/07	Stone will be removed and lawn area will need to be restored upon completion of the project work. 6/5/07	The area was filled with stone for access road work.
	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 attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>4/24). This old access now connects with a new stone access road installed through a wetland. 6/5/07</p>	<p>vegetative cover. 6/5/07</p>	
<p>Powers Rd.</p>	<p>A stone base access road is being installed within this section. 6/5/07</p>	<p>Continue to monitor and add controls adjacent to the wetland. 6/5/07</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.; Carpenter Ln.</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. 6/5/07</p>	<p>Continue to monitor entrances and sweep as needed. 6/5/07</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. Some wet areas have since dried out 6/5/07</p>	<p>Limit pond crossing and impacts to the extent feasible. Add controls and appropriate crossing measures. 6/5/07</p>	<p>Needs attention/evaluation</p>
<p>Old Farms Road</p>	<p>Plywood is being used to reduce impact to the driveways crossing the ROW from equipment crossing. Two driveways have some minor marks from equipment. 12/27/06-6/5/07</p> <p>Clear run-off from the low, saturated spot (filled during access road construction) noted during this inspection. In the past, turbid run-off has been observed reaching Old Farms Rd and entering a CB, flowing directly to receiving wetlands off-site at one driveway. 6/5/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-6/5/07</p> <p>Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-6/5/07 Evaluate whether pre-existing drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-6/5/07</p>	<p>Plywood is used to protect driveways from equipment damage (proactively).</p> <p>No immediate issues; needs future evaluation and attention.</p>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Some loose asphalt “crumbling” is still noted at the trench patch but</p>	<p>Arrangements to re-pave and finish the road surface should be made</p>	<p>Needs regular attention and evaluation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>looks better. Small potholes have developed with the recent rains. (Noted since 4/24) The patch continues to deteriorate. 6/5/07</p>	<p>as soon as feasible. Continue to clean loose asphalt until area can be properly repaved. 4/24-6/5/07</p>	
<p>Foundation and site construction</p> <p>High Hill Rd.; Carpenter Ln.</p> <p>Durham Rd.</p> <p>Liney Hall Lane</p> <p>Williams Rd to East Center St.</p> <p>Powers Rd. & Woodhouse Ave.</p> <p>Woodhouse Ave.; Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Pent Rd. & Oliver Creek Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p>	<p>A few weeks ago, two foundations were poured adjacent to wetlands south of Carpenter Ln. A third spot is not poured yet. 6/5/07</p> <p>New pad installation/grading was occurring. 6/5/07</p> <p>Access road and pads installed to Muddy River. A culvert is in place at the stream crossing. 6/5/07</p> <p>Clearing and stockpiling timber complete for now. Exposed soil is present. 6/5/07</p> <p>New stone base access road installed northeast off Powers Rd. through wetlands. 6/5/07</p> <p>Clearing was complete through this section and pad construction is underway off Harrison Rd. 6/5/07</p> <p>Minor clearing/mowing complete. Tree removal is scheduled. 6/5/07</p> <p>Tree clearing stopped for now. Clearing along edge of a stream off Oliver Creek Rd. No controls installed (noted since 5/30) 6/5/07</p> <p>New clearing through</p>	<p>Exposed soil is not fully contained. See erosion control & access road section. 5/8-</p> <p>See erosion control section. 6/5/07</p> <p>See erosion control and access road section. 6/5/07</p> <p>Add controls as needed. See erosion control section. 5/8-6/5/07</p> <p>Add controls to protect wetlands as needed as work continues. See erosion control section. 6/5/07</p> <p>Add controls to protect wetlands as needed as work continues. See erosion control & state-listed species sections. 6/5/07</p> <p>See erosion control section. 6/5/07</p> <p>See erosion control section. 6/5/07</p> <p>See erosion control and</p>	<p>Needs attention</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA.</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd. Apple Orchard</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>wetlands off South Turnpike underway. 6/5/07</p> <p>Access roads and staging areas are in place. 6/5/07</p> <p>No new work. A pit remains where the underground line will eventually transition to overhead. 6/5/07</p>	<p>inland wetlands sections. 6/5/07</p> <p>See access roads section. 6/5/07</p> <p>Monitor and maintain fence as needed. 6/5/07</p>	<p>NA</p> <p>NA</p>
<p>Erosion and sediment controls</p> <p>High Hill Rd. to Rt. 68</p> <p>Carpenter Lane</p> <p>Durham Rd.</p> <p>Liney Hall Ln.</p> <p>Williams Rd to East Center St.</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. 6/5/07</p> <p>Mulch and seed remain along the slopes and filter socks are in place at the pad site upgradient of wetlands. 6/5/07</p> <p>Controls were in place within wetlands at staging areas south of Carpenter Ln. Slurry run-off and sediment accumulation had reached the line of haybales at the wetland at one of the foundation locations. 5/8-6/5/07</p> <p>Haybales in place along wetland near site entrance. No run-off noted. 6/5/07</p> <p>A culvert remains at the small stream crossing. No sediment issues noted 6/5/07</p> <p>Timber mats and silt fence remain in place at the Stony Brook site</p>	<p>Inspect and maintain silt fence/haybales as needed. Remove/replace existing degraded controls and monitor for run-off. 4/20-6/5/07</p> <p>Monitor for vegetative cover or erosion issues and adjust controls as needed. 6/5/07</p> <p>Remove slurry/sediment from wetlands where it is greater than 2" deep and restore the area to promote vegetative cover. 5/8-6/5/07</p> <p>Monitor and add controls as needed as new pads are installed. 6/5/07</p> <p>Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 6/5/07</p> <p>Add appropriate controls between the exposed soil and the undisturbed</p>	<p>Needs evaluation and attention.</p> <p>NA</p> <p>Needs attention.</p> <p>NA at this time</p> <p>NA at this time</p> <p>Needs attention and evaluation</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Powers Rd. & Woodhouse Ave.</p>	<p>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. 6/5/07</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 6/5/07</p> <p>New stone access was installed within the wetlands moving northeast off Powers Rd., replacing the corduroy road. A culvert may be needed. (Controls are still not in place at the crossing, noted since 5/22) 6/5/07</p>	<p>portion of wetlands. 5/2-6/5/06</p> <p>Restore the exposed soil to pre-construction conditions if this access is no longer needed. 6/5/07</p> <p>Monitor controls for effectiveness. Clean sediment from riprap as needed. 6/5/07</p> <p>Install culverts and controls to reduce turbid run-off as needed. Add controls and stabilize area as soon as possible. 6/5/07</p>	<p>NA</p> <p>Needs attention and evaluation.</p>
<p>Woodhouse Ave; Harrison Rd.</p>	<p>Clearing complete in this section to the small stream crossing and along a steep slope to Harrison Rd. Hay and seed remain along the disturbed slope. 6/5/07</p>	<p>Monitor for vegetative cover and adjust controls as needed. 6/5/07</p>	<p>Hay and seed used for stabilization upgradient from the stream.</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>Minor clearing complete. Larger tree removal is scheduled, including through sections of wetlands. Controls and crossing measures are needed before equipment returns. 6/5/07</p>	<p>Add controls to protect wetlands. Monitor pond and reduce impacts from crossing to the extent feasible. 5/22-6/5/07</p>	<p>Needs attention/evaluation.</p>
<p>Pent Rd. & Oliver Creek Rd.</p>	<p>Clearing continues within the Quinnipiac floodplain, including at the streambank. No controls were added but stumps/roots were retained. 5/30-6/5/07</p>	<p>Upon completion of clearing add controls as needed and stabilize sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 5/30-6/5/07</p>	<p>NA</p>
<p>S. Turnpike + Merritt Parkway Area</p>	<p>New clearing is underway within wetlands. Deep</p>	<p>Regrade rutted areas and stabilize as soon as</p>	<p>Needs attention/evaluation.</p>

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Mansion Rd.	<p>ruts were noted along slopes. Silt fence is intact. 6/5/07</p> <p>An existing riprap slope and culvert are present near the entrance from the road. Controls remain intact. 6/5/07</p>	<p>feasible. Monitor controls until area is stable. 6/5/07</p> <p>Continue to monitor and adjust controls in this area. Clean sediment as needed. Evaluate whether a run-off diversion is needed. 6/5/07</p>	<p>Continue to evaluate.</p>
Mansion Rd. Apple Orchard	<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. 3/13-6/5/07</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-6/5/07</p>	<p>Needs regular maintenance.</p>
Old Farms Rd. (Equipment Storage Area)	<p>The equipment storage yard off Old Farms Rd. no longer appears active. Silt fence is in disrepair in some spots. 4/17-6/5/07</p>	<p>If work will not return, remove the silt fence and any remaining construction materials 4/17-6/5/07</p>	<p>Needs attention when feasible.</p>
Old Farms Rd. (115kV Underground work)	<p>Roadway was recently swept and most of the asphalt “crumbles” have been removed but the patch continues to deteriorate. 5/8-6/5/07</p> <p>Exposed soil and excess fill material were noted on the overhead ROW near the transition point. 4/3-6/5/07</p>	<p>Continue to remove asphalt as it breaks up along the roadway until area can be repaved. 3/27-5/15/07 Repave as soon as possible as the patch is deteriorating. 4/17-6/5/07</p> <p>Remove or place controls around the extra materials and temporarily stabilize the soil here. 4/3-6/5/07</p>	<p>Needs regular maintenance.</p> <p>Needs attention</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 3/7/07</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. 6/5/07</p>	<p>Approved work in wetlands will follow the permit guidelines. 6/5/07</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</p>	<p>NA</p> <p>Needs to be monitored</p>

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Carpenter Ln. to Rte 68	<p>Timber mat staging areas in place within wetlands off Carpenter Ln. and several foundations were being installed. Sediment was noted within controls, accumulating at the wetland edge. 5/8-6/5/07</p> <p>Timber mats used to cross a small stream and access wetlands. A culvert and permanent road will be installed. 6/5/07</p>	<p>district. 6/5/07</p> <p>Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8-6/5/07</p> <p>Monitor controls and add more as needed. The culvert construction will have to be controlled carefully. 6/5/07</p>	<p>Needs attention.</p> <p>NA at this time.</p>
Liney Hall Ln.	<p>A culvert and permanent road remain in the wetland. 6/5/07</p>	<p>Monitor controls and add more as needed. 6/5/07</p>	<p>NA</p>
Williams Rd	<p>Exposed soil remains adjacent to wetlands off Williams Rd. after timber mats were removed. 5/8-6/5/07</p>	<p>See erosion control section. Controls/stabilization are needed here. 5/8-6/5/07</p>	<p>Needs attention.</p>
Powers Rd. & Woodhouse Ave.	<p>A new stone access road was installed in wetlands off Powers Rd., replacing the corduroy road. A culvert may be needed. No controls were added. 6/5/07</p>	<p>Monitor area closely and determine if conditions require a culvert. See erosion control section. 6/5/07</p>	<p>Needs evaluation</p>
Woodhouse Ave.; Harrison Rd.	<p>Clearing within wetlands completed by hand and trees were winched out to reduce impacts to wetlands. 6/5/07</p>	<p>Continue reducing impacts to wetlands to the extent feasible. 6/5/07</p>	<p>NA</p>
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	<p>Clearing and access had occurred through two wetlands and a small pond. Stream near Rte 5 was clear. 6/5/07</p>	<p>See erosion control and access road sections. 6/5/07</p>	<p>Needs to be monitored.</p>
Pent Rd. & Oliver Creek Rd.	<p>Clearing almost complete along the Quinnipiac River and in the floodplain. No controls installed but stumps and</p>	<p>See erosion controls section. Retain as much vegetation as feasible and reduce soil disturbance. Add controls and stabilize</p>	<p>Stumps were retained. Needs to be monitored</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>S. Turnpike + Merritt Parkway Area</p>	<p>roots were retained. 6/5/07</p> <p>Clearing underway within wetlands off Merritt Parkway. Several deep ruts were noted from equipment. 6/5/07</p>	<p>as needed. 6/5/07</p> <p>Monitor and add controls as needed. Stabilize and restore ruts. 6/5/07</p>	<p>Needs attention/ evaluation</p>
<p>State species of concern, threatened and endangered species.</p> <p>Stoney Brook Rd.</p> <p>Liney Hall Rd;</p> <p>Woodhouse Ave; Harrison Rd.</p>	<p>According to the D&M plans, a potential vernal pool is located here. After discussing the site, it was agreed signs should be placed as an alternative to fencing as the pool is located over 300 feet from any active work. 5/30-6/5/07</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. 6/5/07</p> <p>According to the D&M plan, state-listed species are not located in the current work areas. However, 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. 6/5/07</p>	<p>Add “no entry” signs around the vernal pool, at the 25-foot buffer line. Continue to maintain a distance from the active work. 5/30-6/5/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 6/5/07</p> <p>Now that the Eastern box turtle has been discovered in this area, it 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. 6/5/07</p>	<p>Signs will need to be installed.</p> <p>NA</p> <p>The turtle observation was reported appropriately and sweeps should now 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. 6/5/07</p> <p>Clearing is largely complete within/ adjacent</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. 6/5/07</p> <p>Stabilize exposed soil within/adjacent to</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>to wetlands. Trees are being removed from the site. Some areas of exposed soil need controls. 6/5/07</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. 6/5/07</p> <p>No new clearing in this area since last week. Some exposed areas remain seeded and mulched. 6/5/07</p> <p>Low impact clearing underway within wetlands but some ruts were noted. Much of the vegetation was retained. 6/5/07</p>	<p>wetlands. Add controls as needed within wetlands. See erosion control section 6/5/07</p> <p>See erosion control section. Continue to use low impact techniques in these areas. 6/5/07</p> <p>Monitor for vegetative cover on the steep slope. Continue to reduce impacts to the stream and to the turtle habitat. 6/5/07</p> <p>Monitor area and add controls as needed. 6/5/07</p>	<p>Needs evaluation.</p> <p>NA</p> <p>Low impact clearing techniques noted within wetlands.</p>
<p>Dewatering</p>	<p>Dewatering was required at the foundations installed south of Carpenter Ln. and will be required when pouring the final foundation. Some slurry did migrate to the line of controls at the wetland. 5/8-6/5/07</p>	<p>Monitor dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-6/5/07</p>	<p>Needs evaluation and attention.</p>
<p>Blasting</p>	<p>No blasting is proposed. 6/5/07</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. 6/5/07</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. 6/5/07</p>	<p>Needs evaluation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Harrison Rd.	Small spill occurred when a pressurized fitting failed. The equipment was shut down and repaired immediately. Controls were used to clean equipment. 6/5/07	Continue to ensure that all of the spill is contained and affected areas are cleaned up. Keep leaking equipment out of sensitive areas until repaired. 6/5/07	Equipment leak was observed, and contained, repaired, and cleaned immediately.
Merritt Parkway	Small drip noted under tree mulcher. The drip was contained during inspection. 6/5/07	Continue to check equipment daily for leaks. Repair or contain equipment as soon as a problem is noticed. 6/5/07	Equipment was dripping controls were used.
Old Farms Rd. (Equipment Storage Area)	The storage yard for the underground work off Old Farms Rd. is no longer active. 6/5/07	If storage yard will no longer be used, remove silt fence and small asphalt stockpile. 5/2-6/5/07	Area should be restored
Additional Observations	A landowner off Williams Rd. removed stumps, graded land, and has created several soil stockpiles including one with debris within and around wetlands. (The landowner has his own equipment.) Small drips from this equipment were also noted. (Noted 5/22/07) An area identified with potential historical/cultural significance is located off Durham Rd. Soils cannot be disturbed here. Noted 5/15/07	None. Noted for the record on 5/22/07 Access road construction here included careful stone installation, and avoided grading. Noted 5/15/07	NA – not jurisdictional to this D&M Plan Continue to monitor

Next likely scheduled inspection:

Tuesday June 12, 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



Equipment parked off Carpenter Lane. Continue to make sure vehicles are not stored within 100 feet of wetlands whenever feasible.



Slurry and sediment from a foundation had reached the edge of the and accumulated here against the haybales. Sediment over 2" deep should be carefully removed from the wetland by hand.



Pad site upgradient from a wetland crossing off High Hill Rd. has controls (filter socks) in place. Slopes were mulched with straw.



New pad grading/installation was observed off Durham Rd.



View of old access road and new stone access road off Williams St. Stabilize the exposed soil along the old access and restore original contours as necessary.



Controls are needed at wetlands off Powers Road where clearing and access road installation have occurred.



Leaking equipment off Harrison Rd. Controls were used to clean Equipment. Ensure that fluid is contained and repairs are made.



New clearing noted through wetlands off Merritt Parkway. Retain vegetation wherever feasible and install controls adjacent to areas of disturbed soil.