

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: May 13, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.83” of precipitation was recorded in the week prior to inspection, with 0.73” of the total reported on 5/9 (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. 5/13/08	See Erosion Control Section for more details 5/13/08	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, a large area upgradient remains rutted, muddy, and disturbed following activity (since 4/1). Contractor is now mobilizing in this area to being restoration. 5/13/08	See the erosion control section for more details. Continue to sweep the roadway as needed. 5/13/08	See erosion control section.
	New stone was installed within the wetlands (4/15). BSC was informed that crews are reducing the overall wetland impact by eliminating one of the proposed access roads to the structures. A spur road between the two sets of structures was created instead but it is unclear whether work is complete. Material that was stockpiled at the edge of the wetland (since 4/29) was pushed into the wetlands to extend the pad. 5/13/08	Evaluate the placement of the new stone to determine whether impacts can be even further reduced by using the existing access footprint. Culverts will need to be installed and controls should be fixed prior to working in the wetlands. 4/15-5/13/08 See erosion control section.	Needs evaluation. See erosion control section. Stockpiled material was used to extend the pad into the wetlands.
Durham Rd. Liney Hall Ln.	An equipment bridge crossing remains over the	Continue to monitor and add controls as needed.	Continue to restrict access at Durham Rd. if

Areas of Inspection	Observation	Recommended Action	Corrected Action
Tamarack Swamp Rd.	<p>Muddy River tributary and a second bridge is in place off Liney Hall Rd. Water flowing across the road off Durham Rd. was slightly turbid as the result of a worker measuring the length of the access road driving through. 5/13/08</p> <p>No sediment was noted on Liney Hall Ln. at the ROW access but the ruts remain at the entrance. 3/11-5/13/08</p> <p>Snow and stone had been plowed onto the timber mats and subsequently into the wetlands. 2/26-5/13/08</p> <p>Access road within the pasture east of the roadway includes wetland crossings via culverts. Roadway is free of sediment. Turbid water has been noted flowing around the site during storms but largely due to the existing field conditions. 5/13/08</p>	<p>Keep equipment out of the access road south of Durham Rd (if possible), while it is flooded. 5/13/08</p> <p>Continue to sweep the roadway on a regular basis and install a tracking pad (or refresh stone at the entrance.) 3/11-5/13/08</p> <p>Carefully remove stone from the wetlands. 2/26-5/13/08</p> <p>Clean/sweep roadway as needed during work and monitor controls at wetland crossings. Continue to monitor and see erosion control section for details. 5/13/08</p>	<p>possible.</p> <p>A vehicle was noted through the crossing.</p> <p>Entrance needs attention during final restoration.</p> <p>Needs attention during final restoration.</p> <p>NA at this time</p>
Williams; S. Turnpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook; Pent Rd.; Oliver Creek Rd.	<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 entrances. 5/13/08</p>	<p>Continue to monitor entrances and sweep as needed. 5/13/08</p>	<p>NA</p>
Pond Hill Rd. Docker Dr.	<p>ATVs have been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. (since 12/4). Contractor has placed heavy mulch along the slopes at Docker (since 4/29) to stop erosion problems from</p>	<p>Contractors have made efforts to stabilize the area several times but ATV traffic is high in this area. Mulch should help reduce the impacts from ATV's. See erosion control section for more details.</p>	<p>Continue to monitor. Mulch was improving the ATV issue.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Road</p>	<p>getting worse.5/13/08</p> <p>A culvert remains in place to help prevent ponding on the access road. Water bars remain in place across the access road to slow and filter stormwater. 5/13/08</p> <p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-5/13/08</p> <p>Drainage swale/ waterbar was installed at the low, saturated area along driveway (1/15). Turbid water was not noted leaving the driveway via this swale. 5/13/08</p> <p>Equipment has damaged the access driveway for overhead work. (Since 1/8) Stone remains at the access driveway over the pavement to reduce tracking and run-off. 5/13/08</p> <p>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-5/13/08</p>	<p>5/13/08</p> <p>Monitor the area and add controls if needed. 5/13/08</p> <p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-5/13/08</p> <p>Additional controls are needed here for heavy rains, potentially haybale check dams along the swale when working. 5/13/08</p> <p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-5/13/08</p> <p>Re-grade and restore the rutted areas when feasible. 1/8-5/13/08</p>	<p>NA</p> <p>NA at this time</p> <p>Needs attention when working in saturated conditions.</p> <p>Needs evaluation and attention upon project completion.</p> <p>Needs attention when feasible.</p>
<p>Foundation and site construction</p>	<p>Stone stockpiled at Carpenter was pushed into the wetlands to extend the pad. 5/13/08</p> <p>Shrubs were planted along Old Farms Rd upgradient from the wetland crossing to Cook Hill Jct. Stockpiles</p>	<p>Ensure location of stone is correct and replace controls before working in wetlands. See erosion control section. 5/13/08</p> <p>None at this time. 5/13/08</p>	<p>Controls need attention</p> <p>Shrubs planted off Old Farms Rd. Stockpiles removed.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd to East Center St.	<p>Exposed slopes upgradient of wetlands north of Durham need stabilization and silt fence needs repair due to large stones and material from the slope. 4/22-5/13/08</p> <p>Timber mats and silt fence remain in place at the Stony Brook site access. 5/13/08</p>	<p>Stabilize the slope & soils north of Durham Rd. Pull back stones and material and repair controls 4/22-5/13/08</p> <p>Add controls as needed in this area. Stabilize soils when applicable. 5/13/08</p>	<p>Needs attention</p> <p>NA</p>
Tamarack Swamp Rd.	<p>Two small detention basins were used as slurry dewatering areas. Silt fence and a mulched berm are in place around the basins. Basins are dry. 5/13/08</p> <p>A pad and foundation remain within wetlands with an adjacent area of standing water west side of roadway. Some encroachment has occurred both during installation and wire grounding. Controls were replaced around the sediment on 12/26 and hay mulch was applied. 5/13/08</p>	<p>If these pump-out areas are no longer needed, they should be final graded and stabilized when feasible. 5/13/08</p> <p>Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-5/13/08 Contractors are regularly evaluating pads to ensure impacts are within permitted dimensions. See Inland wetland section for more details 12/26-5/13/08</p>	<p>NA</p> <p>See Inland wetland section.</p>
Powers Rd. Woodhouse Ave. Harrison Rd.	<p>On the east side, a soil stockpile remains in place with some adjacent controls. However, the pile is not fully stabilized. 4/1-5/13/08</p> <p>Controls remain downgradient of the bypass access road off Powers Rd. Reclamation activities are still proposed for the pad. 5/13/08</p> <p>The previously seeded</p>	<p>Remove or stabilize the stockpile as soon as feasible in accordance with the D&M Plan. 4/1-5/13/08</p> <p>Continue to stabilize the area and maintain controls. The wetland was evaluated by BSC & B&M and observable sediment accumulation was not detected in the wetland. 5/13/08</p> <p>Ensure sufficient</p>	<p>Stockpile should be stabilized or removed.</p> <p>NA at this time.</p> <p>Monitor this area for</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Old Fams Rd.</p>	<p>stockpile area off Woodhouse Ave. is starting to grow grass. 5/13/08 Vehicle tracks were noted in the reclaimed areas. 11/27- 5/13/08</p> <p>The stone settling and overflow area installed at the outlet at Harrison Rd appears to be working well for handling stormwater run-off issues during heavy rain. Water has been percolating through the riprap pad with no observable erosion. 5/13/08</p> <p>A layer of heavy bark mulch has been applied along the slopes off Docker to stop the erosion/gullyng issues (4/29). The mulch appears to hold up well to ATV traffic. 5/13/08</p> <p>Turbid run-off was noted several times (since 11/6) from work near structure #24209, on the access roads, and roadway. A drainage swale is in place (since 1/16) to prevent turbid run-off from the saturated driveway crossing however, run-off was noted during heavy rains when active. 5/13/08</p> <p>The two soil stockpiles located onsite and not fully contained since (3/4) have been fully removed and the areas graded. 5/13/08</p>	<p>stabilization and add hay/seed as needed. Avoid access once an area is temporarily or permanently stabilized. 11/27-5/13/08</p> <p>This area should be monitored closely to evaluate the effectiveness over time. Any existing exposed soils should be stabilized upon completion of work. 5/13/08</p> <p>Continue to maintain controls and monitor the effectiveness against the ATV traffic. ATV traffic will be difficult to control as they are accessing from abutting land and have always disturbed this area. 5/13/08</p> <p>Continue to stabilize disturbed areas to the extent feasible and ensure the area is contained by controls, including CB liners, as needed to filter run-off. Additional controls should be used in the drainage areas. 5/13/08</p> <p>Monitor the areas and stabilize the soils with vegetative cover as soon as possible. 5/13/08</p>	<p>stabilization. Grass growth noted.</p> <p>The new stormwater solution appears to be working well.</p> <p>Heavy bark mulch is holding up to AVT traffic.</p> <p>Continue to evaluate and stabilize.</p> <p>Area needs additional attention when active, in periods of heavy rain.</p> <p>Stockpiles have been removed.</p>
<p>Inland Wetland and Watercourse encroachment and</p>	<p>Work has occurred in jurisdictional wetlands under an ACOE permit</p>	<p>Approved work in wetlands will follow the permit guidelines.</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Tamarack Swamp Road	<p>at the wetland crossings in these sections and well installed bridges are in place for two larger stream channels. The access off Durham Rd. is flooded, the water is slightly turbid from recent activity, and filled with tadpoles. 5/13/08</p> <p>Snow removal (on 2/26) has pushed stone onto timber mats and subsequently into wetlands off Liney Hall Ln. 5/13/08</p> <p>Pad and adjacent controls remain within wetlands. In two separate occasions, during active work, sediment was pushed over controls into wetlands. Controls were replaced around the sediment each time but the encroachments were not removed. 2/20-5/13/08</p>	<p>add controls as needed. Monitor the bridge surface for sediment tracking. Avoid equipment access through flooded areas if feasible. 5/13/08</p> <p>Remove stone, by hand, from wetlands and pull stone back off of the timber mats. 2/26-5/13/08</p> <p>Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-2/20/08 Contractors will also make an effort to pull back the stone during reclamation. 5/13/08</p>	<p>flooded areas when feasible.</p> <p>Needs attention upon completion of work.</p> <p><i>The contractor has stated that pads are within the proposed/permitted size limits but will attempt to remove spoil to the extent feasible.</i></p>
Powers Rd. & Woodhouse Ave.	<p>Soils exposed by timber mat removal were seeded, but not all stone was removed from the wetland prior to seeding (noted 9/25) Well-established grass cover is in place. 5/13/08</p> <p>Wetlands downgradient of the bypass access road were evaluated by BSC and B&M for accumulated sediment. None was observed. 5/13/08</p>	<p>Remove the stone from the wetlands to the extent feasible (recommended since 9/25). Work appears completed in this area and restoration should soon begin. 5/13/08</p> <p>Continue reclamation activities in this area. 5/13/08</p>	<p>Area needs attention during final restoration</p> <p><i>Areas of remaining stone piles in the wetland will be marked by BSC.</i></p> <p>Wetlands were evaluated; sediment was not observed.</p>
Mansion Rd to Tuttle Ave.	<p>Several wetland crossings are in place. Clear water was noted at all crossings and drainage ditches are working well. 5/13/08</p>	<p>Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 5/13/08</p>	<p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd.	New shrubs have been planted at the access point to the wetland crossing to Cooks Hill Jct. 5/13/08	Continue to monitor and ensure no further access into this area. 5/13/08	New shrubs were planted.
<p>State species of concern, threatened and endangered species.</p> <p>Durham Rd.</p> <p>Liney Hall Rd</p> <p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</p>	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 5/13/08</p> <p>Egg masses and tadpoles have been noted in the wetlands and on the timber mats. 5/13/08</p> <p>Several frog and salamander egg masses were noted last spring within prime amphibian breeding habitat, located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 5/13/08</p> <p>Evidence of Eastern Box turtles has been confirmed off Woodhouse Ave on 5/8/07 and in the section between Mansion Rd. and Tuttle Ave on 7/17/07. 5/13/08</p>	<p>Continue to monitor area and retain distance from active work. 5/13/08</p> <p>Keep off timber mats if feasible until water subsides. 5/13/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 5/13/08</p> <p>Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season has ended as of April 1st and sweeps for turtles are required prior to accessing the site. 5/13/08</p>	<p>NA</p> <p>Tadpoles and egg masses noted.</p> <p>NA</p> <p>Eastern Box turtles active season has begun and sweeps are needed.</p>
<p>Vegetative clearing or stabilization</p> <p>Most work areas Have been cleared</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 5/13/08</p> <p>Work is complete, at least temporarily, in many areas along the route. Final restoration is scheduled to begin soon.</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. 5/13/08</p> <p>The D&M states that areas should be temporarily stabilized if work will not return in 21 days. At this time,</p>	<p>NA</p> <p>Final stabilization should begin soon.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave and Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>5/13/08</p> <p>As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. 5/13/08</p> <p>Contractors have spread heavy bark mulch over the exposed areas and rills/gullies for stabilization (since 4/29). 5/13/08</p> <p>Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26-5/13/08</p> <p>Shrubs were planted at the access point to the wetland crossing. 5/13/08</p>	<p>weather is becoming conducive to final restoration. 5/13/08</p> <p>Continue to monitor and replace shrubs if needed. B&M intends to inspect the survival status of the shrubs in the near future. 5/13/08</p> <p>See erosion control section. Monitor new controls for effectiveness. 5/13/08</p> <p>Regrade the disturbed/rutted area and stabilize. 5/13/08</p> <p>Monitor the area. 5/13/08</p>	<p>NA at this time.</p> <p>NA at this time.</p> <p>Needs additional stabilization.</p> <p>Shrubs were planted.</p>
Dewatering	<p>It appears all foundations and dewatering is complete at this time. 5/13/08</p>	<p>Remove and stabilize old dewatering pits as necessary. 5/13/08</p>	<p>NA at this time. Work should shift to restoration.</p>
Blasting	<p>No blasting is proposed. 5/13/08</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>Tamarack Swamp</p>	<p>Spill control materials are being brought to sites when work is performed. 5/13/08</p> <p>A stockpile remains in the uplands. Stockpile should be stabilized or removed when feasible. 5/13/08</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. 5/13/08</p> <p>Always contain and stabilize stockpiles in accordance with the D&M Plan. Filter socks were noted at the base of the pile off but it was not fully</p>	<p>Needs regular attention.</p> <p>Stockpile should be removed or stabilized.</p>



Carpenter Ln: Large area disturbed/exposed from line work. Crews were starting to bring equipment to the site for reclamation activities.



Carpenter Ln: The stone/sediment stockpile from pad work that was left in/adjacent to wetlands has been pushed further into wetlands to extend the pad.



Durham Rd: Contractor measuring the length of the access road has driven through the flooded timber mats. Keep off mats when flooded if feasible.



Tamarack Swamp Rd: View of timber mat staging area within wetland



Tamarack Swamp: Stockpile located in the uplands. Stabilize or remove as soon as possible.



Harrison Rd: View of the recently installed stormwater solution for run-off from the roadway. Stormwater has been percolating through the stone during heavy rain. Continue to evaluate.



Old Farms Rd: Landscaped plants were placed at the access to the wetland crossing.



Old Farms Rd: Stockpile upgradient from wetlands has been fully removed.