

**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:** April 22, 2008

**Inspector:** Matthew Creighton

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

**Rainfall:** No precipitation was recorded in the week prior to inspection (NOAA data at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b>	<b>Timber mats are in place at wetland crossings and staging areas. 4/22/08</b>	<b>See Erosion Control Section for more details 4/22/08</b>	<b>Not applicable (NA)</b>
<b>Carpenter Ln. to Rte 68</b>	<b>South of Carpenter Ln, a large area upgradient remains rutted, muddy, and disturbed following recent activity 4/1-4/22/08</b>	<b>See the erosion control section for more details. Continue to sweep the roadway as needed. 4/22/08</b>	<b>See erosion control section.</b>
	<b>New stone was installed within the wetlands last week. 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 is being created instead. 4/22/08</b>	<b>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. 4/15-4/22/08</b>	<b>Needs evaluation. See erosion control section.</b>
<b>Durham Rd. Liney Hall Ln.</b>	<b>An equipment bridge crossing remains over the Muddy River tributary and a second bridge is in place off Liney Hall Rd. Water flowing across the road off Durham Rd. was clear this week. 4/22/08</b>	<b>Continue to monitor and add controls as needed. Keep equipment out of the access road south of Durham Rd (if possible), while it is flooded. 2/20-4/22/08 See erosion control section.</b>	<b>Continue to restrict access at Durham Rd. if possible.</b>
	<b>No sediment was noted on Liney Hall Ln. at the</b>	<b>Continue to sweep the roadway on a regular</b>	<b>Entrance needs attention when feasible.</b>

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Tamarack Swamp Rd.	<p>ROW access but the ruts remain at the entrance. 3/11-4/22/08</p> <p>Snow and stone had been plowed onto the timber mats and subsequently into the wetlands. 2/26-4/22/08</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. 4/22/08</p>	<p>basis and install a tracking pad (or refresh stone at the entrance.) 3/11-4/22/08</p> <p>Carefully remove stone from the wetlands. 2/26-4/22/08</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. 4/22/08</p>	<p>Needs attention during final restoration.</p> <p>NA at this time</p>
Powers Rd.	<p>The access road installed to bypass the line anchors was being removed. Timber mats removal was underway at the saturated crossing. The area is dry and no run-off was noted. 4/22/08</p>	<p>Controls should be monitored and replaced as needed. If sediment has accumulated more than 2" here, it should be removed from the wetlands by hand, not to disturb the natural vegetation. 4/22/08</p>	<p>Controls were in good shape. Timber mats were being removed.</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. 4/22/08</p>	<p>Continue to monitor entrances and sweep as needed. 4/22/08</p>	<p>NA</p>
Pond Hill Rd. Docke Dr.	<p>ATVs have been causing ruts and disturbance in areas between Pond Hill Rd and Docke Dr. (since 12/4) 4/22/08</p>	<p>Contractors have made efforts to stabilize the area several times but ATV traffic is high in this area. Return for final stabilization when feasible. 3/4-4/22/08 See erosion control section for more details. 4/22/08</p>	<p>Needs attention when feasible.</p> <p><i>Contractors received authorization to begin this work.</i></p>
Mansion Rd to Tuttle Ave.	<p>A culvert remains in place</p>	<p>Monitor the area and add</p>	<p>NA</p>

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<p><b>Old Farms Road</b></p>	<p>to help prevent ponding in the access road. Water bars remain in place across the access road to slow and filter stormwater. 4/22/08</p> <p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-4/22/08</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. 4/22/08</p> <p>Equipment has damaged the access driveway for overhead work. (Since 1/8) New stone remains at the access driveway over the pavement to reduce tracking and run-off. 4/22/08</p> <p>Sediment tracking was not observed at the private driveway at Cook Hill Jct. 4/22/08</p> <p>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-4/22/08</p>	<p>controls if needed. 4/22/08</p> <p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-4/22/08</p> <p>Additional controls are needed here for heavy rains, potentially haybale check dams along the swale. 4/22/08</p> <p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-4/22/08</p> <p>Continue to use the approved access in the area and sweep as needed. 4/22/08</p> <p>Re-grade and restore the rutted areas when feasible. 1/8-4/22/08</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>NA at this time</p> <p>Needs attention when feasible.</p>
<p><b>Foundation and site construction</b></p>	<p>Archaeological/cultural crews were working along the new fence north of Durham Rd. 4/22/08</p> <p>Timber mats were being removed at the previously saturated crossing off of Powers Rd. which has is</p>	<p>None. 4/22/08</p> <p>Continue to reclaim saturated areas during dry spells to reduce runoff potential. 4/22/08</p>	<p>NA</p> <p>Timber mat removal at the previously saturated crossing.</p>



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<p><b>Williams Rd to East Center St.</b></p>	<p><b>stones and material from the slope. 4/22/08</b></p> <p><b>Timber mats and silt fence remain in place at the Stony Brook site access. 4/22/08</b></p> <p><b>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. 4/22/08</b></p>	<p><b>Add controls as needed in this area. Stabilize soils when applicable. 4/22/08</b></p> <p><b>If these pump-out areas are no longer needed, they should be final graded and stabilized when feasible. 4/22/08</b></p>	<p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Tamarack Swamp Rd.</b></p>	<p><b>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 recently applied. 4/22/08</b></p> <p><b>On the east side, a soil stockpile remains in place with some adjacent controls. However, the pile is not fully stabilized. 4/1-4/22/08</b></p>	<p><b>Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-3/4/08. Contractors are regularly evaluating pads to ensure impacts are within permitted dimensions. See Inland wetland section for more details 12/26-4/22/08</b></p> <p><b>Remove or stabilize the stockpile as soon as feasible in accordance with the D&amp;M Plan. 4/1-4/22/08</b></p>	<p><b>See Inland wetland section.</b></p> <p><b>Stockpile should be stabilized or removed.</b></p>
<p><b>Powers Rd. Woodhouse Ave. Harrison Rd.</b></p>	<p><b>Timber mats on the bypass access road off Powers Rd. were being removed. The area is dry and no run-off was noted. Existing controls remain. 4/22/08</b></p> <p><b>The previously seeded stockpile area off Woodhouse Ave. may need additional hay and seed now that spring and the growing season has arrived. 4/22/08</b></p> <p><b>Vehicle tracks were noted</b></p>	<p><b>Continue to stabilize the area and maintain controls. If sediment has accumulated in the wetland, it should be removed by hand. 3/18-4/22/08</b></p> <p><b>Ensure sufficient stabilization and add hay/seed as needed. Avoid access once an area is temporarily or permanently stabilized. 11/27-4/22/08</b></p>	<p><b>Timber mats were being removed from the previously saturated crossing.</b></p> <p><b>Monitor this area for stabilization. Additional hay and seed may be needed.</b></p>

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<p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5)</p> <p>Old Farms Rd.</p>	<p>in the reclaimed areas. 11/27- 4/22/08</p> <p>A stone settling and overflow area has been installed at the stormwater outlet at Harrison Rd. Riprap was installed along the first terrace of the slope for stabilization. The new controls should be a permanent solution to the stormwater run-off issues concerning Harrison Rd. 4/22/08</p>	<p>This area should be monitored closely to evaluate the effectiveness of the new controls/ solution. Exposed soils should be stabilized upon completion of work. 4/22/08</p>	<p>A stormwater solution was installed.</p>
	<p>Controls off Docker Dr. near the wetlands were recently reinforced. Large areas of exposed soils are gulying from heavy rains and/or been disturbed by ATVs (since 11/6). Crews have been here multiple times but ATV traffic is very active. Gullies are worsening in heavy rains.4/15-4/22/08</p>	<p>Continue to maintain controls adjacent to the brook here. 3/4/08 Crews plan to return as soon as weather conditions allow applying bark mulch to encourage stabilization. ATV traffic will be difficult to control as they are accessing from abutting land and have always disturbed this area. 2/20-4/22/08</p>	<p>Needs attention when feasible.  <i>Contractors received authorization to begin this work.</i></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. 4/22/08 Seed and mulch were applied to a portion of the soils exposed during removal of old foundations. Other areas remain exposed. 4/22/08  Soils remain stockpiled upgradient from wetlands onsite with sediment observed migrating</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 areas4/22/08  Continue to stabilize all areas of exposed soils on site. 4/22/08  Temporarily stabilize soils in this active area as soon as possible. 12/26-4/1/08 Continue to remove the</p>	<p>Continue to evaluate and stabilize.  Area needs additional attention for periods of heavy rain.  Some seed and mulch were applied.  Controls Need Attention even though the stockpile was in the process of being</p>

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	<p>beneath the filter sock controls here (since 3/4) Crews were in the process of removing the pile but work was on hold. 4/1-4/22/08</p>	<p>stockpile and reinforce controls until this work is complete. 3/18-4/22/08</p>	<p>removed.</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p> <p><b>Carpenter Ln. to Rte 68</b></p>	<p>Work has occurred in jurisdictional wetlands under an ACOE permit</p> <p>In accordance with the D&amp;M Plan, all work occurring in and around wetlands should be expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. This includes attending to restoration of adjacent upland areas when work is complete. 4/22/08</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. 4/22/08</p> <p>Some of the timber mat and stone staging areas remain in place within wetlands off Carpenter Ln. Large disturbed area is still noted upgradient from wetlands 3/18-4/22/08</p> <p>A pile of stone and material from recent work is still present adjacent to the standing water. 4/22/08</p> <p>Haybales cannot remain upright in the high flow at the outlet during heavy rain. However effective controls were needed as</p>	<p>Approved work in wetlands will follow the permit guidelines. 4/22/08</p> <p>Final stabilization and reclamation efforts should occur in completed areas in and around wetlands. Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. Weather is becoming conducive to restoration. 4/22/08</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. 4/22/08</p> <p>Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization. 3/18-4/22/08</p> <p>Remove, relocate or use the stockpiled material. 4/22/08</p> <p>Effective/alternative controls are needed to protect wetlands downstream and filter the turbid water. 4/8-4/22/08</p>	<p>NA</p> <p>Continue to evaluate.</p> <p>Needs to be monitored</p> <p>Work should be expedited here. Stabilization needed per timelines.</p> <p>Needs attention</p> <p>Controls need attention</p>

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<p><b>Durham Rd. Liney Hall Ln.</b></p>	<p><b>turbid water is noted during active stone work. 4/8-4/22/08</b></p> <p><b>Timber mats are in place 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 but flow is filtered by controls. 4/22/08</b></p> <p><b>Snow removal (on 2/26) has pushed stone onto timber mats and subsequently into wetlands off Liney Hall Ln. 4/22/08</b></p>	<p><b>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. Avoid equipment access through flooded areas if feasible. 4/22/08</b></p> <p><b>Remove stone, by hand, from wetlands and pull stone back off of the timber mats. 2/26-4/22/08</b></p>	<p><b>Restrict access in flooded areas when feasible.</b></p> <p><b>Needs attention upon completion of work.</b></p>
<p><b>Tamarack Swamp Road</b></p>	<p><b>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. However, the contractor is evaluating pads with GPS to ensure limits are within what was permitted. 2/20-4/22/08</b></p>	<p><b>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</b></p> <p><b>The contractor stated that pads are within the proposed/permitted size limits. 2/20-4/22/08</b></p> <p><b>Contractors will also make an effort to pull back the stone during reclamation. 4/22/08</b></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>
<p><b>Powers Rd. &amp; Woodhouse Ave.</b></p>	<p><b>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. Turbid run-off noted from the access road bypass was reaching the wetland (3/4-3/11) but additional controls have since been installed and timber mats were being removed. 4/22/08</b></p>	<p><b>Remove the stone from the wetlands to the extent feasible (recommended since 9/25) However, crews continue to return here for line work, potentially disturbing the area again before final stabilization. 3/24/08</b></p> <p><b>Check wetlands for accumulated sediment and remove by hand if necessary. 3/18-4/22/08</b></p>	<p><b>1<sup>st</sup> area needs attention during final restoration</b></p> <p><b>Good controls are in place.</b></p> <p><b>Wetlands need evaluation.</b></p> <p><b>Timber mats were being removed.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>Several wetland crossings are in place. 4/22/08</p> <p>Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas remain mulched and seeded. 4/22/08</p>	<p>Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 4/22/08</p> <p>Additional controls may be needed to prevent run-off from any soil disturbance. See access road and erosion control sections. 4/22/08</p>	<p>NA at this time.</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. 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 4/22/08</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. 4/22/08</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. 4/22/08</p>	<p>Continue to monitor area and retain distance from active work. 4/22/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 4/22/08</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 1<sup>st</sup> and sweeps for turtles are required prior to accessing the site.4/22/08</p>	<p>NA</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. 4/22/08</p> <p>Work is complete, at least temporarily, in many areas along the route.</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&amp;M plan. Be extremely mindful of the extent of clearing flags. 4/22/08</p> <p>The D&amp;M states that areas should be temporarily stabilized if</p>	<p>NA</p> <p>Final stabilization will be needed upon completion of work.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave and Harrison Rd.</p> <p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5) Pent Rd. &amp; Oliver Creek Rd.</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>However, crews continue working on lines through the ROW. 4/22/08</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. 4/22/08</p> <p>All of the previously applied seed/hay has washed away at Docker and turbid run-off and erosion was resulting. Rills and gullies were worsening. 3/18-4/22/08</p> <p>Soil remains exposed here due to recent active work. Mulch was recently applied in some spots but erosion was noted. 4/1-4/22/08 Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26-4/22/08</p> <p>Clearing is complete across a stream. Mulch and seed were applied for temporary stabilization. 4/22/08</p>	<p>work will not return in 21 days. At this time, weather is becoming conducive to final restoration. 4/22/08</p> <p>Continue to monitor and replace shrubs if needed. 4/22/08</p> <p>See erosion control section. Apply additional mulch with binders or erosion control mats as applicable to encourage stabilization at this time of year. 11/20-4/22/08</p> <p>See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section. 4/22/08 Regrade the disturbed/rutted area and stabilize. 4/22/08</p> <p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&amp;M plan (20ft in this location). Be extremely mindful of the extent of clearing. 4/22/08</p>	<p>NA at this time.</p> <p>Slopes need additional attention. Contractors are scheduled to return here with heavy mulch in the near future.</p> <p>Needs additional stabilization.</p> <p>Needs to be monitored.</p>
Dewatering	It appears all foundations and dewatering is complete at this time. 4/22/08	Remove and stabilize old dewatering pits as necessary. 4/22/08	NA at this time. Work should shift to restoration.
Blasting	No blasting is proposed. 4/22/08	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed.	Always use spill control materials when working on equipment and during	Needs regular attention.





**Carpenter Ln:** New areas of stone installed were within the wetlands. Crews are reducing the overall wetland impacts by eliminating one of the proposed access roads to the structures but they are working on an access connection between the sets.



**Carpenter Ln:** Stone/sediment stockpile from the work was located upgradient from wetlands. Relocate or remove the stockpile greater than 100 feet from wetlands. Also, controls at the outlet did not appear to be repaired following the observation of turbidity on 4/8.



**Durham Rd:** Exposed soils & slope noted upgradient of wetlands north of Durham Rd. Silt fence has been knocked down by wind, large stones and material from the slope. Repair the controls.



**Tamarack Swamp Rd.:** Stockpile located east of the roadway is not fully contained with controls. Add controls and stabilize or remove the stockpile.



**Powers Rd: Timber mat removal underway at the saturated crossing.**



**Harrison Rd: The top terrace of the slope below the newly installed detention area has been covered in riprap for stabilization. The pad here will remain, as requested by the golf club, for maintenance crew parking.**



**Harrison Rd: Crews installed a more permanent solution to filter and slow the stormwater from the roadway that outlets to the ROW. A detention area "surge pool" was constructed to allow water to flow over a flat grade prior to heading downslope.**



**Old Farms Rd: Old foundations have been removed from the site and some hay/seed have been applied. Continue to stabilize exposed soils.**