

**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:** March 11, 2008

**Inspector:** Matthew Creighton

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

**Rainfall:** 2.95” of precipitation was recorded in the week prior to inspection with 1.22” reported on 3/7 (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. 3/11/08</b>	<b>See Erosion Control Section for more details 3/11/08</b>	<b>Not applicable (NA)</b>
<b>Carpenter Ln. to Rte 68</b>	<b>South of Carpenter Ln, some timber mat &amp; stone staging areas remain within wetlands. Area is very active and becoming rutted, muddy, and disturbed. However Carpenter Ln. was free of sediment this week. 3/11/08</b>	<b>See the erosion control section for more details. Continue to sweep the roadway as needed. 3/11/08</b>	<b>The roadway was swept.</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 was flowing across the road off Durham Rd 3/11/08</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- 3/11/08</b>	<b>Continue to restrict access at Durham Rd. if possible.</b>
	<b>Heavy sediment tracking had been noted on Liney Hall Ln. from the ROW access (since 2/26) but the roadway has recently been swept. Ruts remain at the entrance. 3/11/08</b>	<b>Continue to sweep the roadway on a regular basis and install a tracking pad (or refresh stone at the entrance. 3/11/08</b>	<b>Roadway was swept but entrance could use additional attention.</b>
	<b>Snow and stone had been plowed onto the timber mats and subsequently into the wetlands. 2/26-</b>	<b>Carefully remove stone from the wetlands. When plowing snow, monitor wetland boundaries and place snow in upland</b>	<b>Needs attention</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Tamarack Swamp Rd.</b></p>	<p><b>3/11/08</b></p> <p><b>Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing the pad. 12/26-3/11/08</b></p> <p><b>Material remains contained by the controls 3/11/08</b></p> <p><b>Access road remains in place within the pasture east of the roadway. This includes wetland crossings via culverts. Roadway remains free of sediment. Turbid water has been noted flowing to controls during rain events but this was largely due to the existing conditions of the adjacent agricultural fields. Timber mats within the field were being reconfigured during the inspection. 3/11/08</b></p>	<p><b>areas 2/26-3/11/08</b></p> <p><b>Snow should not be plowed up to or within the wetlands as it will likely result in deposition of sediment. Pull sediment back from this area and ensure controls are in good shape. 12/26-3/11/08</b></p> <p><b>Clean/sweep roadway as needed during work and monitor controls at wetland crossings. Continue to monitor and see erosion control section for details. 3/11/08</b></p>	<p><b>Determine if material is outside of work limits</b></p> <p><b>NA at this time</b></p>
<p><b>Powers Rd.</b></p>	<p><b>Timber mats had been placed over the access road bypass for stabilization and structure. However, mats are now compressing into the soft ground and turbid run-off is flowing into the wetland boundary (since 3/4) 3/11/08</b></p>	<p><b>Additional controls are needed downgradient of the timber mats to prevent run-off to wetlands. If sediment has accumulated more than 2" here, it should be removed from the wetlands by hand, not to disturb the natural vegetation. 3/11/08</b></p>	<p><b>See erosion control section.</b></p>
<p><b>Williams; S. Turnpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook; Pent Rd.; Oliver Creek Rd.</b></p>	<p><b>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. 3/11/08</b></p>	<p><b>Continue to monitor entrances and sweep as needed. 3/11/08</b></p>	<p><b>NA</b></p>
<p><b>Pond Hill Rd. Docker Dr.</b></p>	<p><b>Exposed soils remain mulched and seeded off Pond Hill Rd. However, controls were not</b></p>	<p><b>Contractors have made efforts to stabilize the area several times but ATV traffic is high in this area</b></p>	<p><b>Needs attention during thaw conditions.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Mansion Rd to Tuttle Ave.	<p>controls were not installed at wetlands. Additional controls were installed upgradient from the wetland off Docker. ATVs have been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. 12/4-3/11/08</p> <p>A culvert remains in place to help prevent ponding in the access road. Water bars remain in place across the access road to slow and filter stormwater. 3/11/08</p>	<p>traffic is high in this area. Evaluate ways to keep ATVs out. Return for final stabilization when the ground thaws. 3/4-3/11/08 See erosion control section for more details. 3/11/08</p> <p>Monitor the area and add controls if needed. 3/11/08</p>	NA
Old Farms Road	<p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-3/11/08</p> <p>Drainage swale/waterbar was installed at the low, saturated area along driveway (1/15). Turbid water was not observed leaving the driveway via this swale this week. 3/11/08</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. 3/11/08</p> <p>Ruts were noted in the previously mulched areas along the access road to Cook Hill Jct. 3/11/08</p> <p>The previously hydroseeded area along the shoulder of the roadway is rutted and</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-3/11/08</p> <p>Additional controls are needed here for heavy rains, potentially haybale check dams along the swale. 3/11/08</p> <p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-3/11/08</p> <p>Regrade the area and provide additional stabilization. 3/11/08</p> <p>Re-grade and restore the rutted areas. 1/8-3/11/08</p>	<p>NA at this time</p> <p>Provide additional proactive attention</p> <p>Needs evaluation and attention upon project completion.</p> <p>Needs attention.</p> <p>Needs attention when feasible.</p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Williams Rd to East Center St.</b></p>	<p><b>tribs. The area off Durham Rd was flooded over the access road but flow was still filtered by controls. 3/11/08</b></p> <p><b>Snowplows have pushed stone material on the timber mats and subsequently into the wetlands off Liney Hall Ln. 2/26-3/11/08</b></p> <p><b>Timber mats and silt fence remain in place at the Stony Brook site access. 3/11/08</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. 3/11/08</b></p>	<p><b>River tribs. The area off Durham Rd was flooded over the access road but flow was still filtered by controls. 3/11/08</b></p> <p><b>Carefully remove stone from the wetlands and timber mats. If future snow removal is needed avoid wetland areas. 2/26-3/11/08</b></p> <p><b>Add controls as needed in this area. Stabilize soils when applicable. 3/11/08</b></p> <p><b>If these pump-out areas are no longer needed, they should be final graded and stabilized when feasible. 3/11/08</b></p>	<p><b>Needs attention.</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 new hay mulch was recently applied. 3/11/08</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 3/11/08</b></p>	<p><b>See Inland wetland section.</b></p>
<p><b>Powers Rd. Woodhouse Ave. Harrison Rd.</b></p>	<p><b>On the east side, timber mats were being repositioned for the crane work that is still needed. 3/11/08</b></p> <p><b>Turbid run-off was noted from the bypass access road off Powers Rd. Timber mats are compressing into the mud and turbid run-off is flowing into the wetland boundary (since 3/4).</b></p>	<p><b>Stabilize any exposed soils from timber mat repositioning. See access roads section. 3/11/08</b></p> <p><b>Additional controls are need to stabilize the area and filter run-off. If sediment has accumulated, it should be removed by hand. 3/4-3/11/08</b></p>	<p><b>Continue to monitor.</b></p> <p><b>A line of haybales were installed however not fully effective and additional attention is needed.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5)</p> <p>Old Farms Rd.</p>	<p>Haybales were installed to filter run-off but it was not fully contained. 3/11/08</p> <p>The previously seeded stockpile area off Woodhouse Ave. will not become (permanently) stable during winter. Vehicle tracks were noted in the reclaimed areas. 11/27- 3/11/08</p> <p>Controls, including several large fiber rolls remain along the slope and at the sediment trap and gully off Harrison Rd. Several heavy rain events have finally eroded soils, undermining the controls. Sediment is being carried down the slope and over controls upgradient from the stream. The gully here had been noted since 9/25 but had not worsened until recently. 3/11/08</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. 3/11/08</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</p>	<p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-3/11/08</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-3/11/08</p> <p>The controls need to be reinforced and a more permanent solution should be evaluated. Remove the sediment that has accumulated over the controls at the stream. 3/11/08</p> <p>Continue to maintain controls adjacent to the brook here. 3/4/08 Crews plan to return as soon as weather conditions allow to apply 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. 2/20-3/11/08</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. 3/11/08</p>	<p>NA at this time. Continue to monitor until the growing season</p> <p>Gully and controls need attention. Controls have been undermined.</p> <p>Needs attention when ground conditions are appropriate.</p> <p>Continue to evaluate and stabilize. Area needs additional attention for periods of heavy rain.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Cook Hill Jct.	<p>saturated driveway crossing however, run-off was noted during heavy rains. Additional mulch and silt fence were added to exposed soils recently. Eroded gullies/rills were noted on the slope. 3/4-311/08</p> <p>Soils remain stockpiled upgradient from wetlands onsite with controls in place at the base of the stockpile. However, the stockpile has the potential to overwhelm controls. 12/26-3/11/08 Soil from the stockpile was observed migrating beneath the filter sock controls here. 3/4-3/11/08</p>	<p>Temporarily stabilize soils in this active area as soon as possible. 12/26-3/11/08</p> <p>Ensure that spoil piles are not stored within 100 feet of wetlands to contain sediment and. 3/11/08</p> <p>Reinforce controls. Move stockpile or stabilize as soon as feasible. 3/4-3/11/08</p>	<p>Stockpiles need evaluation.</p> <p>Needs attention</p>
Inland Wetland and Watercourse encroachment and mitigation	<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. 3/11/08</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. 3/11/08</p>	<p>Approved work in wetlands will follow the permit guidelines. 3/11/08</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. Any stabilization at this time will have to account for winter months. 3/11/08</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. 3/11/08</p>	<p>NA</p> <p>Continue to evaluated.</p> <p>Needs to be monitored</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Carpenter Ln. to Rte 68</b></p> <p><b>Durham Rd. Liney Hall Ln.</b></p>	<p>Some of the timber mat staging areas remain in place within wetlands off Carpenter Ln. Haybales have been knocked over but water is clear. Large disturbed area noted above wetlands. 3/11/08</p> <p>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. 3/11/08</p> <p>Snow removal activities have pushed stone onto timber mats and subsequently into wetlands off Liney Hall. 2/26-3/11/08</p>	<p>Monitor for run-off. Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization through the winter. 3/11/08</p> <p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. Avoid equipment access through flooded areas if feasible. 3/11/08</p> <p>Remove stone, carefully by hand, from wetlands and pull stone back from the timber mats. 2/26-3/11/08</p>	<p>Work should be expedited here.</p> <p>Controls degraded</p> <p>Large disturbed area from recent activities.</p> <p>NA at this time.</p> <p>Needs attention.</p>
<p><b>Tamarack Swamp Road</b></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. However, the contractor is evaluating pads with GPS to ensure limits are within what was permitted. 2/20-3/11/08</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</p> <p>The contractor stated that pads are within the proposed/permitted size limits. 2/20-3/11/08</p>	<p><i>The contractor has stated that pads are within the proposed/permitted size limits.</i></p>
<p><b>Powers Rd. &amp; Woodhouse Ave.</b></p>	<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. Some timber mats were removed from the wetland for use at the</p>	<p>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. Add new controls as needed to</p>	<p>1<sup>st</sup> area needs attention during final restoration however, turbid run-off currently needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd</p>	<p>access road bypass. Turbid run-off noted from the bypass is reaching the wetland. 3/4-3/11/08</p> <p>Several wetland crossings are in place. 3/11/08</p> <p>Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas remain mulched and seeded. 3/11/08</p>	<p>recently exposed areas. 2/26-3/11/08</p> <p>Monitor and maintain new controls. Crossings will need to be restored when access needs are complete. 3/11/08</p> <p>Additional controls may be needed to prevent run-off from any soil disturbance. See access road and erosion control sections. 3/11/08</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 3/11/08</p> <p>Several frog and salamander egg masses were previously noted within prime amphibian breeding habitat, located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 3/11/08</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. 3/11/08</p>	<p>Continue to monitor area and retain distance from active work. 3/11/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 3/11/08</p> <p>Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season began Nov. 1<sup>st</sup> and sweeps for turtles are not required until active season begins in April. 3/11/08</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</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. 3/11/08</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&amp;M plan. Be extremely</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Work is complete, at least temporarily, in many areas along the route. However, crews continue working on lines through the ROW. 3/11/08</p>	<p>mindful of the extent of clearing flags. 3/11/08</p> <p>The D&amp;M states that areas should be temporarily stabilized if work will not return in 21 days. At this time, winter stabilization measures will be needed (including mulch or erosion control mats as needed). 12/4-3/11/08</p>	<p>Final stabilization will be needed upon completion of active line work.</p>
<p>Woodhouse Ave and Harrison Rd.</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. 3/11/08</p>	<p>Continue to monitor and replace shrubs if needed. 3/11/08</p>	<p>NA at this time.</p>
<p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5) Pent Rd. &amp; Oliver Creek Rd.</p>	<p>All of the previously applied seed/hay has washed away at Docker and turbid run-off and erosion was resulting. Additional seed and hay was applied near the wetland but the slope will require more attention during thaw periods. 2/26-3/11/08</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. 11/20-3/11/08</p>	<p>Slopes need additional attention during thaw.</p>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Soil remains exposed here as active work is occurring but mulch was recently applied in some spots. 3/11/08 Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26-3/11/08</p> <p>Clearing is complete across a stream. Mulch and seed were applied for temporary stabilization. 3/11/08</p>	<p>See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section. 3/11/08</p> <p>Regrade the disturbed/rutted area and stabilize. 12/26-3/11/08</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. 3/11/08</p>	<p>Some controls were installed but needs additional attention</p> <p>Needs to be monitored.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Dewatering</b>	<b>It appears all foundations and dewatering is complete at this time. 3/11/08</b>	<b>Remove and stabilize old dewatering pits as necessary, if dewatering is completed in the area. 3/11/08</b>	<b>NA at this time. Work should shift to restoration.</b>
<b>Blasting</b>	<b>No blasting is proposed. 3/11/08</b>	<b>None</b>	<b>NA</b>
<b>Spills, soils and material storage</b>	<b>Spill control materials are being brought to sites when work is performed. 3/11/08</b>	<b>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. 3/11/08</b>	<b>Needs regular attention.</b>
<b>All Active Sites</b>	<b>Some active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 3/11/08</b>	<b>Monitor equipment closely for leaks as they move from site to site to prevent repeated problems. Always contain and control stockpiles as soon as possible. 3/11/08</b>	<b>Continue to monitor throughout construction.</b>
<b>Old Farms Rd.</b>	<b>Soil continues to be stockpiled upgradient of the wetlands but controls remain in place. However the amount of soil has the potential to overwhelm the controls. 12/26-3/11/08 Soil was observed migrating under controls. 3/4- 3/11/08</b>	<b>Keep storage materials away from wetlands. Remove soil when feasible. Additional controls are needed. Ensure it is not within 100 feet of wetlands. See erosion control section. 12/26-3/11/08</b>	<b>Needs attention.</b>
<b>Additional Observations</b>	<b>None 3/11/08</b>	<b>None</b>	

**Next likely scheduled inspection:**

**Tuesday March 18, 2008**

**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:** Matt Creighton, BSC Group

**Reviewer:** Diana Walden, BSC Group



**Carpenter Ln:** Crews preparing for line pulling. Large, exposed area will need controls upon completion of work.



**High Hill Rd:** New water bars were installed with haybale basins to filter stormwater flowing down the access road on the slope near Rte 68.



**Stony Brook Rd:** Line work was underway at several poles towards Williams Rd.



**Tamarack Swamp Rd:** Timber mats being relocated before the crossing to Stony Brook.



**Powers Rd:** New timber mats on the bypass road are compressing into the soil and turbid run-off is flowing into the wetland boundary.



**Harrison Rd:** Stormwater has eroded soils and undermined controls where the gully has been noted on the slope for several months. Additional controls are needed and a long-term solution needs to be discussed.



**Blue Hills Orchard:** Line installation underway from the orchard to Tuttle Ln.



**Old Farms Rd:** Ruts noted from vehicles at the ROW access for Cook Hill Jct. Regrade and temporarily stabilize the area as needed.