

**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:** February 12, 2008

**Inspector:** Matthew Creighton

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

**Rainfall:** 1.01” of precipitation was recorded in the week prior to inspection with 0.31” on 2/1 (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. 2/12/08</b>	<b>See Erosion Control Section for more details 2/12/08</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. 2/12/08</b>	<b>See the erosion control section for more details. 2/12/08</b>	<b>NA.</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. to access structure #24272. 2/12/08</b>	<b>Continue to monitor and add controls as needed. 2/12/08</b>	<b>NA at this time.</b>
<b>Tamarack Swamp Rd.</b>	<b>Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing the pad. 12/26-2/12/08 Although contained by controls, this is a large amount of stone material potentially outside of the proposed work limits. 1/8-2/12/08</b>	<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. 12/26-2/12/08</b>	<b>Determine if material is outside of work limits.</b>
	<b>Access road remains in place within the pasture east of the roadway. This includes wetland crossings via culverts.</b>	<b>Clean/sweep roadway as needed during work and monitor controls at wetland crossings. Continue to monitor and</b>	<b>NA at this time.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Williams; S. Turnpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.</p>	<p>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. 2/12/08</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 entrances. 2/12/08</p>	<p>see erosion control section for details. 2/12/08</p> <p>Continue to monitor entrances and sweep as needed. 2/12/08</p>	<p>NA</p>
<p>Pond Hill Rd. Docker Dr.</p>	<p>Exposed soils remain mulched and seeded off Pond Hill Rd. However, controls were not installed at wetlands. ATVs have been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. 12/4-2/12/08</p>	<p>Add controls along exposed areas within the wetlands as needed. Evaluate ways to keep ATVs out. Return for final stabilization in the growing season. 12/4-2/12/08 See erosion control for further details. 2/12/08</p>	<p>Needs evaluation.</p>
<p>Mansion Rd to Tuttle Ave.</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. 2/12/08</p>	<p>Monitor the area and add controls if needed. 2/12/08</p>	<p>NA</p>
<p>Old Farms Road</p>	<p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-2/12/08</p> <p>Sediment from active work and tracking was noted on several driveways as well as Old Farms Rd. Add controls to CBs downgradient when working in the area. 12/18-2/12/08</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-2/12/08</p> <p>Add controls to CBs and sweep sediment as needed.</p> <p>Stabilize exposed soil in the active work area as soon as feasible. 2/12/08</p>	<p>NA at this time</p> <p>Sediment tracking needs some attention.</p> <p>CB controls need to be reinstalled.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Drainage swale/ waterbar was installed at the low, saturated area along driveway (1/15). Last week during a rain event, turbid water was flowing to the roadway via this swale, and entering unprotected catch basins. 2/12/08</p>	<p>Additional controls are needed here, potentially haybale check dams along the swale. Receiving catch basins need controls. 2/12/08</p>	<p>Needs additional attention.</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. 2/12/08</p>	<p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-2/12/08</p>	<p>Needs evaluation and attention upon project completion.</p>
	<p>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-2/12/08</p>	<p>Re-grade ruts and restore the area. 1/8-2/12/08</p>	<p>Needs attention when feasible.</p>
	<p>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-2/12/08</p> <p>The 2<sup>nd</sup> damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-2/12/08</p>	<p>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-2/12/08</p> <p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-2/12/08</p>	<p>Needs attention.</p> <p>Needs attention</p>
<p>Foundation and site construction</p>	<p>Contractors were installing structures performing line work along the ROW off Tamarack Swamp Rd. 2/12/08</p> <p>Line work was also underway and moving east off Tuttle Ln and conduit installation and grading was underway at Cook Hill Jct. 2/12/08</p>	<p>Watch for turbid runoff and sediment tracking on the roadway and access roads. See access road and erosion control sections. 2/12/08</p> <p>Add controls as needed during earthwork. Stabilize the area upon completion of work. 2/12/08</p>	<p>Monitor wetlands during construction.</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Erosion and sediment controls</b> Carpenter Ln. to Rt. 68</p>	<p>Clear water was noted within wetlands. Haybales within the ditch/outlet were re-established. 2/12/08 ATV traffic was also noted in this area, damaging controls and leaving ruts. 1/16-2/12/08</p> <p>Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative cover in this area. 12/4-2/12/08</p>	<p>Ensure mulch cover is sufficient for winter stabilization. Provide additional attention in the spring to establish vegetative cover. 2/12/08 Evaluate measures to keep ATVs out of the area.</p> <p>Evaluate measures to keep ATVs out of the area. Regrade and add controls as needed to the slope. Perform final slope stabilization in the growing season. 12/4-2/12/08</p>	<p>Continue to expedite restoration here. Controls have been restored.</p> <p>Needs evaluation and to be monitored.</p>
<p><b>Durham Rd.</b> Liney Hall Ln.</p>	<p>Controls remain intact along the access road and bridge south of Durham Rd. Timber mats and fiber rolls remain in place and two bridges are in place across Muddy Brook. Run-off was being filtered by controls but the water levels have the potential to overwhelm them 2/5-2/12/08</p>	<p>Monitor and add controls along the road or wetland as needed. Stabilize area impacted by timber mats. Additional or reinforced controls may be needed. 2/5-2/12/08</p>	<p>Monitor closely and increase controls as needed.</p>
<p><b>Williams Rd to East Center St.</b></p>	<p>Timber mats and silt fence remain in place at the Stony Brook site access. 2/12/08</p> <p>A small detention basin remains here and is being used for a slurry dewatering area. Silt fence and a mulched berm are in place around the basin. 2/12/08</p>	<p>Add controls as needed in this area. Stabilize soils when applicable. 2/12/08</p> <p>Monitor controls for effectiveness. 2/12/08</p>	<p>NA</p> <p>NA at this time.</p>
<p><b>Tamarack Swamp Rd.</b></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</p>	<p>Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-2/12/08</p>	<p>Needs additional evaluation.</p>

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<p>Woodhouse Ave. Harrison Rd.</p>	<p>grounding Controls were replaced around the sediment on 12/26. 2/12/08</p> <p>Snowplows have pushed snow and a large amount of stone and sediment up to the controls at the wetland boundary during clearing. 1/8-2/12/08</p> <p>Silt fence remains at the access road wetland crossings however, a section was down and needed repair. During rain events, the adjacent, exposed farm fields were resulting in significant amounts of turbid run-off that were not associated with the project. 2/5-2/12/08</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- 2/12/08</p> <p>Controls, including several large fiber rolls remain along the slope and at the sediment trap. Even though the large gully on the slope does not seem to be worsening, it ends at the stream and should be addressed. 9/25-2/12/08</p>	<p>See access road section and avoid pushing snow up to or within wetlands. 12/26-2/12/08 This is a large amount of material and should be pulled back to avoid encroachment. 1/8-2/12/08</p> <p>Continue to monitor controls installed adjacent to wetlands and used in drilling. Repair the small section of deteriorated controls and monitor for run-off associated with ROW activities. See access roads section. 2/5-2/12/08</p> <p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-2/12/08</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-2/12/08 Even though it is not worsening, the gully should still be repaired. 2/12/08</p>	<p>Needs evaluation/attention.</p> <p>Small section of silt fence needs attention.</p> <p>NA at this time. Continue to monitor until the growing season</p> <p>Gully needs evaluation/attention but it has not changed size since controls were added.</p>
<p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5)</p>	<p>Exposed areas remain mulched/seeded off Pond Hill Rd. However, ATVs continue to driving over controls and exposed soils creating ruts. 12/4-</p>	<p>Add controls as needed along the edge of the wetlands until final stabilization is complete in the growing season. Monitor exposed areas.</p>	<p>Needs additional evaluation due to ATVs</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Old Farms Rd.</b></p>	<p><b>2/12/08</b></p> <p><b>Turbid water ponds at the edge of the controls off Docker Dr. during rain events. Large areas of exposed soils had previously been seeded but it appears most seed/mulch has washed away or been disturbed by ATVs. (noted since 11/6) Additional controls were being installed upgradient from the wetlands during the inspection. 2/12/08</b></p>	<p><b>Additional measures may be needed to prevent ATV traffic and to stabilize soils through winter. 12/4-2/12/08</b></p> <p><b>Maintain controls. Additional mulch is needed this time of year to encourage stabilization Measures may be needed to prevent ATV traffic. 11/6-2/12/08</b></p> <p><b>When thaw occurs and soils are exposed, provide stabilization as previously recommended. 1/29-2/12/08</b></p> <p><b>Contractors state that mulch and seed will be added this week 2/12/08</b></p>	<p><b>Additional controls were being installed.</b></p> <p><b>Continue with stabilization of exposed soils.</b></p>
	<p><b>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 rain. CB liners have been removed for plowing. 2/5-2/12/08</b></p>	<p><b>Additional controls show good efforts but attention is needed at the source. 2/12/08</b></p> <p><b>Stabilize disturbed areas to the extent feasible. Additional controls are needed in the drainage area. Consider check dams along the swale or other alternatives. 2/5-2/12/08</b></p> <p><b>Controls need to be reinstalled as contractors are working in the area and turbid run-off is leaving the site. 2/5-2/12/08</b></p>	<p><b>Turbid run-off needs attention.</b></p>
	<p><b>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. 12/26-2/12/08</b></p>	<p><b>Temporarily stabilize soils in this active area as soon as possible. 12/26-2/12/08</b></p> <p><b>Ensure that spoil piles are not stored within 100 feet of wetlands. 2/12/08</b></p>	<p><b>Stockpiles need evaluation.</b></p>
<p><b>Inland Wetland and Watercourse encroachment and</b></p>	<p><b>Jurisdictional wetlands can be accessed now that ACOE permit is in hand.</b></p>	<p><b>Approved work in wetlands will follow the permit guidelines.</b></p>	<p><b>NA</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>mitigation</b></p>	<p><b>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. 2/12/08</b></p>	<p><b>2/12/08</b></p> <p><b>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. 2/12/08</b></p>	<p><b>Continue to evaluated.</b></p>
<p><b>Carpenter Ln. to Rte 68</b></p>	<p><b>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 2/12/08</b></p>	<p><b>This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 2/12/08</b></p>	<p><b>Needs to be monitored</b></p>
<p><b>Durham Rd. Liney Hall Ln.</b></p>	<p><b>Some of the timber mat staging areas remain in place within wetlands off Carpenter Ln. Haybales have been replaced and disturbed areas were recently re-mulched and seeded. 2/12/08</b></p>	<p><b>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. 2/12/08</b></p>	<p><b>Work should be expedited here.</b></p>
<p><b>Tamarack Swamp Road</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. 2/12/08</b></p>	<p><b>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. 2/12/08</b></p>	<p><b>NA</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. 12/26-2/12/08</b></p>	<p><b>Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-2/12/08</b></p> <p><b>Ensure that the potential encroachments are covered under the permit. 12/26-2/12/08</b></p>	<p><b>The encroachment needs evaluation</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Powers Rd. &amp; Woodhouse Ave.</p> <p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>Access road/ wetland crossings are now in place to the east. Controls are in place adjacent to the work however, some repairs are needed. 2/5-2/12/08</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) Now the area has well-established grass cover. 10/10-2/12/08</p> <p>Several wetland crossings are in place. 2/12/08</p> <p>Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas were mulched and seeded. 2/12/08</p>	<p>Monitor/repair controls and ensure they are sufficient to prevent run-off from the road to adjacent wetlands. Crossings need to be removed/restored when access is complete. 2/12/08</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. 10/10-2/12/08</p> <p>Monitor and maintain new controls. Crossings will need to be restored when access needs are complete. 2/12/08</p> <p>Additional controls may be needed to prevent run-off from any soil disturbance. See erosion control section. 2/12/08</p>	<p>Small section of silt fence should be fix.</p> <p>Sever erosion not project related.</p> <p>Further attention is needed here during final stabilization.</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>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 2/12/08</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. 2/12/08</p>	<p>Continue to monitor area and retain distance from active work. 2/12/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 2/12/08</p>	<p>NA</p> <p>NA</p>





Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>the wetlands but controls remain in place. However the amount of soil has the potential to overwhelm the controls. 12/26-2/12/08</b></p> <p><b>A plastic tarp had been placed under the drill rig while it was leaking (1/16). The spilled material had the potential to wash off to the ground. Due to active construction, we were not able to inspect whether the material was removed. 2/5-2/12/08</b></p>	<p><b>Remove soil when feasible. Ensure it is not within 100 feet of wetlands. See erosion control section. 12/26-2/12/08</b></p> <p><b>Confirm the original spill and materials have been cleaned and removed. 2/5-2/12/08</b></p>	<p><b>Needs confirmation.</b></p>
<p><b>Additional Observations</b></p>	<p><b>None 2/12/08</b></p>	<p><b>None</b></p>	

**Next likely scheduled inspection:** Wednesday February 20, 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 Lane: Haybales have been restored at the wetland outlet. ATVs continue to damage controls and leave tracks in wetlands.**



**Durham Rd: Clear run-off noted on the access road and in the wetland. Additional controls may be needed especially when area is active as water levels have the potential to overwhelm/overflow them here.**



**Tamarack Swamp Rd: Crews were installing and working on structures.**



**Tamarack Swamp Rd: Small section of silt fence still needs repair.**



**Powers Rd: Sanitary facility located upgradient of a wetland should be relocated away from resource areas.**



**Docker Dr: Additional controls were being installed upgradient of the wetlands and a small section of silt fence was going to be repaired.**



**Tuttle Ln: Line work was underway and moving east during the inspection.**



**Cook Hill Jct: Crews were grading the area and installing conduit.**