

**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:** December 31, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** 1.03” of precipitation was recorded in the week prior to inspection with 0.42” reported on 12/29 (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. 12/31/07</b>	<b>See Erosion Control Section for more details 12/31/07</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. Hay and seed were applied before snow cover. 12/31/07</b>	<b>Monitor new controls and add silt fence/haybales as needed around disturbed areas. See the erosion control section for more details. 12/31/07</b>	<b>Needs to be monitored</b>
	<b>A culvert remains in place at a small access road stream crossing to reach several pad sites between High Hill Rd. and Carpenter Ln. 12/31/07</b>	<b>Add controls as needed along the access road. Monitor stream for sediment. Wetland crossings will need to be restored at the end of the project. 12/31/07</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. 12/31/07</b>	<b>Continue to monitor and add controls as needed. 12/31/07</b>	<b>NA</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. 12/26-12/31/07</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-</b>	<b>Needs attention.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd. to East Center St.	Stone is in place for access at a previously mowed area off Williams Rd. 12/31/07	12/31/07 Stone should be removed and lawn area should be restored upon completion of the project work. 12/31/07	NA
S. Turnpike + Merritt Parkway Area ; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.	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. 12/31/07	Continue to monitor entrances and sweep as needed. 12/31/07	NA
Pond Hill Rd. Docker Dr.	Exposed soils remain mulched and seeded off Pond Hill Rd. However, controls were not installed at wetlands. ATVs have also been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. 12/4-12/31/07	Ensure that mulch cover is sufficient for winter stabilization. Add controls along the recently exposed areas within the wetlands as needed. Evaluate ways to keep ATVs out. Return for final stabilization in the growing season. 12/4-12/31/07	Needs evaluation.
Mansion Rd to Tuttle Ave.	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. 12/31/07	Monitor the area and add controls if needed. 12/31/07	NA
Old Farms Road	Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. Some sediment tracking was noted on some driveways. 12/18-12/31/07  Sediment from active work and tracking was noted on several access roads as well as Old Farms Rd. Add controls to CBs downgradient when working in the area. Some controls are in	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-12/31/07  Add controls to CBs and sweep tracking as needed. Consider repairing run-off issues at the source, the altered low/saturated spot in the ROW noted in the reports towards the beginning of the project.	Sediment tracking needs some attention.  A CB control was added but more controls are needed. Needs regular attention and evaluation.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Old Farms Rd. (115kV Underground trench-work)</b></p>	<p><b>one CB but more controls are needed. 12/18-12/31/07</b></p> <p><b>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-12/31/07</b></p> <p><b>The 2<sup>nd</sup> damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-12/31/07</b></p>	<p><b>12/18-12/31/07</b></p> <p><b>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-12/31/07</b></p> <p><b>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-12/31/07</b></p>	<p><b>NA</b></p> <p><b>Needs attention.</b></p>
<p><b>Foundation and site construction</b></p>	<p><b>Contractors are on a two week break for the holidays. No active work is scheduled. 12/31/07</b></p> <p><b>Structure were installed at the transition area off Old Farms Rd. prior to the break. 12/31/07</b></p>	<p><b>NA</b></p> <p><b>If active work is complete, begin stabilization within approved timelines. 12/31/07</b></p>	<p><b>NA</b></p> <p><b>See erosion control section</b></p>
<p><b>Erosion and sediment controls Carpenter Ln. to Rt. 68</b></p> <p><b>Durham Rd. Liney Hall Ln.</b></p>	<p><b>Clear water was noted within wetlands. Haybales were replaced at the ditch/outlet and areas were seeded and mulched prior to snow cover but sediment accumulation remains at the controls (noted since 6/19). 12/31/07</b></p> <p><b>Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative cover prior to snow cover. 12/4-12/31/07</b></p> <p><b>Controls remain intact along the access road and bridge south of Durham Rd. Timber mats and fiber rolls remain in place</b></p>	<p><b>Remove any accumulated sediment (6/19) and monitor controls closely. Ensure mulch cover is sufficient for winter stabilization and add controls where necessary. Provide additional attention in the spring to establish vegetative cover. 12/31/07</b></p> <p><b>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. 12/4-12/31/07</b></p> <p><b>Monitor and add controls along the road or wetland as needed. Stabilize area impacted by timber mats. 12/31/07</b></p>	<p><b>Continue to expedite restoration here.</b></p> <p><b>Needs evaluation.</b></p> <p><b>Monitor closely and increase controls as needed.</b></p>

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Williams Rd to East Center St.	<p>and a bridge is in place across Muddy Brook. 12/31/07</p> <p>Timber mats and silt fence remain in place at the Stony Brook site access. 12/31/07</p>	<p>Add controls as needed in this area. Stabilize soils when applicable. 12/31/07</p>	<p>NA</p>
Tamarack Swamp Rd.	<p>A pad and foundation remain within wetlands with an adjacent area of standing water. Some encroachment had occurred during installation. Grounding wire installation had also knocked over the controls and more sediment was encroaching on the wetland (since 12/4). Controls were replaced around the sediment on 12/26. 12/31/07</p>	<p>Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-12/31/07</p>	<p>Silt fence was installed and mulch was applied. Needs additional evaluation.</p>
Woodhouse Ave. Harrison Rd.	<p>Snow plows have pushed snow/sediment up to the wetland boundary during clearing. 12/26-12/31/07</p> <p>The previously seeded stockpile area off Woodhouse Ave. will not become (permanently) stable before winter. Some vehicle tracks were noted in the reclaimed areas. 11/27-12/31/07</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. 9/25-12/31/07</p>	<p>See access road section and avoid pushing snow up to or within wetlands. 12/26-12/31/07</p> <p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-12/31/07</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-12/31/07 Even though it is not worsening, the gully should still be repaired.</p>	<p>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>
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	<p>Exposed areas remain mulched/seeded off Pond</p>	<p>Add controls as needed along the edge of the</p>	<p>Needs additional evaluation due to ATVs</p>

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<p><b>Old Farms Rd.</b></p>	<p><b>Hill Rd. However, ATVs have been driving over controls and exposed soils creating ruts. 12/4-12/31/07</b></p> <p><b>Turbid water was noted ponding at the edge of the controls off Docker Dr. (from 11/6-12/4) Large areas of exposed soils had previously been seeded but it appears most seed/mulch has washed away or been disturbed by ATVs. 11/6-12/31/07</b></p> <p><b>Turbid run-off was noted between 11/6-11/27, and on 12/11, from work near structure #24209. The past three weeks, sediment was noted on the access roads, and roadway. Soils remain stockpiled upgradient from wetlands onsite with controls in place at the base of the stockpile. The amount of soil has the potential to overwhelm controls. 12/26-12/31/07</b></p>	<p><b>wetlands until final stabilization is complete in the growing season. Monitor exposed areas. Additional measures may be needed to prevent ATV traffic and to stabilize soils through winter. 12/4-12/31/07</b></p> <p><b>Maintain controls. Additional mulch is needed this time of year to encourage stabilization 11/6-12/31/07 Measures may be needed to prevent ATV traffic. 12/4-12/31/07</b></p> <p><b>Stabilize disturbed areas to the extent feasible. Add controls as needed to contain sediment and filter run-off. Monitor receiving catch basins controls. A culvert should be considered at driveway crossings to reduce run-off. 11/6-12/31/07 Temporarily stabilize area when active work is complete. 12/26-12/31/07</b></p>	<p><b>Needs evaluation/attention.</b></p> <p><b>Continue to monitor, especially at the stockpile.</b></p> <p><b>Area needs attention within approved timelines.</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>Jurisdictional wetlands can be accessed now that ACOE permit is in hand.</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 when work is complete.</b></p>	<p><b>Approved work in wetlands will follow the permit guidelines. 12/31/07</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</b></p>	<p><b>NA</b></p> <p><b>Needs to be evaluated.</b></p>

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Carpenter Ln. to Rte 68	<p><b>12/31/07</b></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. 12/31/07</p> <p>Some of the timber mat staging areas remain in place within wetlands off Carpenter Ln. Sediment accumulation noted at controls since 5/8. Haybales have recently been replaced and disturbed areas were re-mulched and seeded prior to the snow cover. 12/31/07</p>	<p><b>stabilization at this time will have to account for winter months. 12/31/07</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. 12/31/07</b></p> <p><b>Remove sediment from wetlands before removing controls. Monitor for run-off. 5/8-12/31/07</b></p> <p><b>Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization through the winter. 12/31/07</b></p>	<p><b>Needs to be monitored</b></p> <p><b>Continue to expedite work here.</b></p>
Durham Rd. Liney Hall Ln.	<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. 12/31/07</p>	<p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. 12/31/07</p>	<p>NA</p>
Tamarack Swamp Road	<p>Pad and adjacent controls remain within wetlands. Sediment was pushed over original controls into wetlands and was not fully contained despite new silt fence (since 11/6) The controls were damaged when grounding wires were installed and additional sediment was encroaching (since 12/4) Controls have now been replaced but encroachments were not removed. 12/26-12/31/07</p>	<p>Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-12/31/07</p> <p>Ensure that the potential encroachments are covered under the permit. 12/26-12/31/07</p>	<p>Controls were replaced but the encroachment needs evaluation</p>
Powers Rd. & Woodhouse Ave.	<p>In the process of removing timber mats,</p>	<p>Remove the stone from the wetlands to the extent</p>	<p>Further attention is needed here during</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Mansion Rd to Tuttle Ave.	<p>sediment was pushed over some controls (8/28). 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. 10/10-12/31/07</p> <p>Several wetland crossings are in place. 12/31/07</p>	<p>feasible (recommended since 9/25) However, crews will be returning here for line work, potentially disturbing the area again before final stabilization. 10/10-12/31/07</p> <p>Monitor and maintain new controls. Crossings will need to be restored when access needs are complete. 12/31/07</p>	<p>final stabilization.</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 12/31/07</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. 12/31/07</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. 12/31/07</p>	<p>Continue to monitor area and retain distance from active work. 12/31/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 12/31/07</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. 12/31/07</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. 12/31/07</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. 12/31/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>Work is complete, at least temporarily, in many areas along the route. However, crews have to return for future activities in some locations. 12/4-12/31/07</b></p>	<p><b>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 w/binders or erosion control mats as needed). 12/4-12/31/07</b></p>	<p><b>Needs attention within timelines provided.</b></p>
<p>Powers Rd.</p>	<p><b>A reclaimed wetland area has well-established grass cover. However, stone placed here was not removed completely prior to seeding. 12/31/07</b></p>	<p><b>This issue will have to be addressed when crews return to perform final work and restoration in the area 12/31/07</b></p>	<p><b>Needs to be addressed at final stabilization</b></p>
<p><b>Woodhouse Ave and Harrison Rd.</b></p>	<p><b>As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. 12/31/07</b></p>	<p><b>Continue to monitor and replace shrubs if needed. 12/31/07</b></p>	<p><b>NA at this time</b></p>
<p><b>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5) Pent Rd. &amp; Oliver Creek Rd.</b></p>	<p><b>Some large areas of exposed soil areas off Docker Dr. had minor grass growth prior to winter; however, most of the previously applied seed/hay appears to have washed away and turbid run-off was resulting. 11/6-12/31/07</b></p>	<p><b>See erosion control section. Apply additional mulch with binders or erosion control mats as applicable to encourage stabilization at this time of year. 11/20-12/31/07</b></p>	<p><b>Needs additional attention</b></p>
<p><b>Old Farms Rd.</b></p>	<p><b>Some controls were installed the week of 12/11, however, sediment tracking and run-off were still noted along the access roads and roadway. Soil remains exposed here as previously applied seed appears to have washed away. 11/6-12/26/07 Previously hydroseeded areas along the shoulders also have ruts and disturbance. 12/26-12/31/07</b></p>	<p><b>See erosion control section. Apply additional mulch with binders or erosion control mats as applicable to encourage stabilization at this time of year. 11/13-12/26/07 Active work was recently occurring here. 12/31/07</b></p>	<p><b>Some controls were installed but needs additional attention.</b></p>



<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Dewatering</b>	<b>Dewatering appears complete as the majority of foundations have been installed at this time except in a section awaiting approval. 12/31/07</b>	<b>Remove and stabilize old dewatering pits where dewatering is complete in an area. 12/31/07</b>	<b>NA at this time. Work should shift to restoration.</b>
<b>Blasting</b>	<b>No blasting is proposed. 12/31/07</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. 12/31/07</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. 12/31/07</b>	<b>Needs regular attention.</b>
<b>All Active Sites</b>	<b>Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 12/31/07</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. 12/31/07</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. 12/26-12/31/07</b>	<b>Continue to keep storage materials away from wetlands. Remove soil when feasible. See erosion control section. 12/26-12/31/07</b>	<b>Needs to be monitored.</b>
	<b>A drill rig parked on the ROW is leaking hydraulic fluid on the ground. No controls are in place at this time. 12/31/07</b>	<b>Add controls to contain the leak and repair equipment as soon as possible. Clean and remove affected soil. 12/31/07</b>	<b>Needs attention.</b>
<b>Additional Observations</b>	<b>None 12/31/07</b>	<b>None</b>	

**Next likely scheduled  
inspection:**

**Tuesday January 8, 2008**

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**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*

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**Reviewer:** *Diana Walden, BSC Group*

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**Carpenter Lane: New haybales remain at the wetland outlet. Previously accumulated sediment should be removed prior to restoration.**



**Pond Hill Rd: Recently reclaimed area is experiencing disturbance and tracking from ATV traffic.**



**Docker Dr: Previously reclaimed area is also being disturbed by ATVs. Seed and mulch has washed away and should be reapplied.**

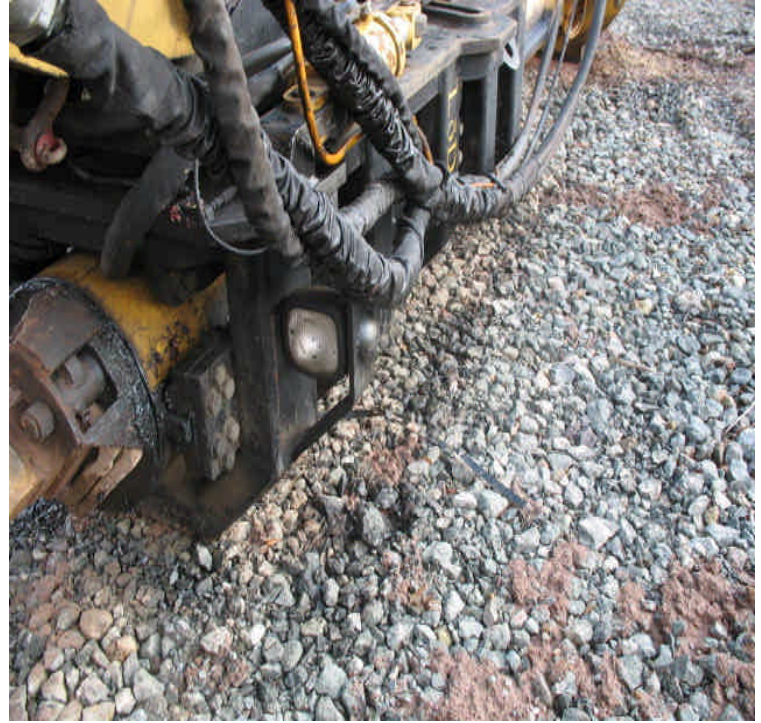


**Old Farms Rd: Stockpile remains upgradient from wetlands with controls in place at its base. Remove soil when feasible as it has the potential to overwhelm the controls.**





**Old Farms Rd: Sediment tracking noted across private driveways.**



**Old Farms Rd: Drill rig leaking hydraulic fluid. Repair the equipment and remove affected stone.**



**Old Farms Rd: Sediment tracking from previously active work areas.**



**Old Farms Rd: Sediment tracking and turbid run-off noted. The previously stabilized area along the roadway shoulder was disturbed with equipment ruts.**