

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 11, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.53" of precipitation was recorded in the week prior to inspection with 0.27" of the total reported on 12/9 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Timber mats are in place at wetland crossings and staging areas. 12/11/07	See Erosion Control Section for more details 12/11/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. Additional hay and seed were applied over disturbed areas. Clear water was noted in the wetlands. 12/11/07	Monitor new controls and add silt fence/haybales as needed around disturbed areas. See the erosion control section for more details. 12/11/07	Areas were re-mulched and seeded.
	A culvert remains in place at a small access road stream crossing to reach several pad sites between High Hill Rd. and Carpenter Ln. 12/11/07	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. 12/11/07	NA
Durham Rd. Liney Hall Ln.	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. 12/11/07	Continue to monitor and add controls as needed. 12/11/07	NA
Williams Rd. to East Center St.	Stone is in place for access at a previously mowed area off Williams Rd. 12/11/07	Stone should be removed and lawn area should be restored upon completion of the project work.	NA

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<p>S. Turnpike + Merritt Parkway Area; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.</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. 12/11/07</p>	<p>12/11/07 Continue to monitor entrances and sweep as needed. 12/11/07</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 also been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. 12/4-12/11/07</p>	<p>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 . 12/4-12/11/07</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. 12/11/07</p>	<p>Monitor the area and add controls if needed. 12/11/07</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. Some sediment tracking was noted on a driveway. 12/11/07</p> <p>During rain events between 11/6-11/27, turbid water was noted flowing onto the roadway from an exposed slope at structure #24209 in the ROW. The run-off was entering a catch basin. Turbid run-off was noted again this week. 12/11/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/11/07</p> <p>Additional controls are needed along the slope and access road in the ROW to contain sediment. Ensure proper controls are in the catch basin. 11/27-12/11/07</p>	<p>Needs some attention.</p> <p>Needs attention.</p>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Hydroseed remains along the exposed soils at the edge of the roadway. 12/11/07</p>	<p>Continue to monitor until stabilization is achieved. 12/11/07</p>	<p>NA</p>

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	<p>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-12/11/07</p> <p>The 2nd damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-12/11/07</p>	<p>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-12/11/07</p> <p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-12/11/07</p>	<p>Needs attention</p> <p>Needs attention</p>
<p>Foundation and site construction</p> <p>Carpenter Lane, High Hill Rd., Rt 68</p> <p>All sites except off Old Fams Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Old Fams Rd.</p>	<p>Line work will continue between Carpenter Ln. and Beseck. Additional seed and hay has been applied here. 12/11/07</p> <p>Poles have been installed. Grounding wire installation may continue. 12/11/07</p> <p>No new work since some timber mat removal and reclamation. 12/11/07</p> <p>Foundation installation was underway. Crews were stockpiling soils on-site upgradient from wetlands. 12/11/07</p>	<p>See erosion control section and continue to restore the area. 12/11/07</p> <p>See erosion control section for more details. 12/11/07</p> <p>See EC and access road section for more detail. 12/11/07</p> <p>Monitor installation and add controls as needed especially with the soil. See erosion control section. 12/11/07</p>	<p>Mulch and seed were applied.</p> <p>See erosion control section</p> <p>NA at this time.</p> <p>See erosion control section</p>
<p>Erosion and sediment controls</p> <p>Carpenter Ln. to Rt. 68</p>	<p>Sediment accumulation was noted here at controls (since 6/19) but haybales have now been replaced. Clear water was noted in wetlands and hay mulch and seed were applied to disturbed areas upgradient. 12/11/07</p> <p>Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative cover. 12/4-12/11/07</p>	<p>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. 12/11/07</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</p>	<p>Haybales have been replaced and disturbed areas were mulched and seeded.</p> <p>Needs evaluation.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Durham Rd. 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 a bridge is in place across Muddy Brook. 12/11/07</p>	<p>growing season. 12/4-12/11/07</p> <p>Monitor and add controls along the road or wetland as needed. Stabilize area impacted by timber mats. 12/11/07</p>	<p>Monitor closely and increase controls as needed.</p>
<p>Williams Rd to East Center St.</p>	<p>Timber mats and silt fence remain in place at the Stony Brook site access. 12/11/07</p>	<p>Add controls as needed in this area. Stabilize soils when applicable. 12/11/07</p>	<p>Continue to monitor.</p>
<p>Tamarack Swamp Rd.</p>	<p>A pad and foundation remain within wetlands with an adjacent area of standing water. Sediment from the original foundation work had been pushed over the existing controls (noted 10/23), so new silt fence was added (10/30) to contain it. However, some sediment remained beyond the fence. (11/6 to present.) Now, grounding wire installation has resulted in knocking down the controls and more sediment encroaching on the wetland. 12/4-12/11/07</p>	<p>Carefully pull back and remove remaining sediment from beyond the original silt fence as soon as possible. 10/30-12/11/07</p> <p>Replace the controls knocked down by ground wire installation and ensure that sediment is removed, not just encompassed. 12/4-12/11/07</p>	<p>Needs attention.</p>
<p>Woodhouse Ave. Harrison Rd.</p>	<p>The previously seeded stockpile area off Woodhouse Ave. will not become stable before winter. Some vehicle tracks were noted in the reclaimed areas. 11/27-12/11/07</p> <p>Controls, including several large fiber rolls remain along the slope and at the sediment trap. The large gully on the slope should be</p>	<p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-12/11/07</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-12/11/07</p>	<p>Needs additional attention.</p> <p>Gully needs evaluation/attention.</p>

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Carpenter Ln. to Rte 68	<p>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. 12/11/07</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. 12/11/07</p> <p>Timber mat staging areas and several structures remain in place within wetlands off Carpenter Ln. Sediment accumulation noted at controls since 5/8. Haybales have now been replaced and disturbed areas upgradient were re-mulched and seeded. 12/11/07</p>	<p>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. 12/11/07</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. 12/11/07</p> <p>Remove sediment from wetlands before removing controls. Monitor for run-off. 5/8-12/11/07 Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization through the winter. 12/11/07</p>	<p>Needs to be monitored</p> <p>Haybales were added and mulch and seed were applied.</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. 12/11/07</p>	<p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. 12/11/07</p>	<p>NA</p>
Tamarac 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. 11/6-11/27/07 The new controls were damaged when grounding wires are installed and</p>	<p>Area is sensitive and should be monitored closely. Carefully remove any remaining sediment from the wetlands 11/6-12/4/07 Pull soil back before installing new controls, do not just encompass it. 12/4-12/11/07</p>	<p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Powers Rd. & Woodhouse Ave.</p> <p>Woodhouse Ave. Harrison Rd.</p> <p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>additional sediment is encroaching 12/4-12/11/07</p> <p>In the process of removing timber mats, 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. 10/10-12/11/07</p> <p>Run-off from an existing catch basin has formed a gully in the slope that ends at the wetland/stream. Filter socks remain to slow water flowing down the slope (noted since 9/25) The gully does not appear to be worsening (since 11/13) 12/11/07</p> <p>Several wetland crossings are in place. 12/11/07</p> <p>Turbid water was observed flowing from a pad site onto the roadway and into a catch basin between. This eventually flows into wetlands off-site. 11/6-12/11/07</p>	<p>Remove the stone from the wetlands to the extent feasible (recommended since 9/25) However, crews will be returning here for line work, potentially disturbing the area again before final stabilization. 10/10-12/11/07</p> <p>Monitor controls and continue stabilization efforts along the gully/washout. Even though it is not worsening, the gully should still be repaired. 11/13-12/11/07</p> <p>Monitor and maintain new controls. 12/11/07</p> <p>Additional controls are needed within the catch basins and along the disturbed slope. 11/6-12/11/07</p>	<p>Further attention is needed here during final stabilization.</p> <p>Needs evaluation/proactive attention.</p> <p>NA at this time</p> <p>Needs attention <i>See contractor follow-up in erosion control section.</i></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. 12/11/07</p> <p>Several frog and salamander egg masses were previously noted within prime amphibian breeding habitat, located off Liney Hall Rd. This is</p>	<p>Continue to monitor area and retain distance from active work. 12/11/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. Property owner has mowed the area. 12/11/07</p>	<p>NA</p> <p>NA</p>

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<p>Tuttle Ave.</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>most of the previously applied seed/hay appears to have washed away and turbid run-off was resulting 11/6-12/11/07</p> <p>Small disturbed areas from grounding wire were noted around new structures. 12/4-12/11/07</p> <p>Turbid water has been noted flowing from exposed areas on the ROW into catch basins and off-site wetlands. Previously applied seed may have washed away in the run-off. 11/6-12/11/07</p>	<p>applicable to encourage stabilization at this time of year. 11/20-12/11/07</p> <p>Add controls and stabilize disturbed areas within timelines 12/11/07</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. 11/13-12/11/07</p>	<p>NA at this time</p> <p>Needs attention</p>
<p>Dewatering</p>	<p>Dewatering appears complete as the majority of foundations appear installed at this time except off Old Farms Rd. 12/11/07</p>	<p>Remove and stabilize old dewatering pits where dewatering is complete in an area. Maintain and use the dewatering pit as needed off Old Farms Rd 12/11/07</p>	<p>NA at this time. Work should shift to restoration</p>
<p>Blasting</p>	<p>No blasting is proposed. 12/11/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>All Active Sites</p> <p>Old Farms Rd.</p>	<p>Spill control materials are being brought to sites when work is performed. 12/11/07</p> <p>Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 12/11/07</p> <p>A storage container located upgradient from the wetlands near structure #4026 has been</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. Check equipment daily for leaks and repair as soon as possible. 12/11/07</p> <p>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. 12/11/07</p> <p>Continue to keep storage materials away from wetlands. See erosion control section. 12/11/07</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p> <p>Container was moved. Contractor update stated controls were added to</p>



Carpenter Lane: Disturbed areas have been re-mulched and seeded.



Carpenter Lane: New haybales were installed at the outlet.



Tamarack Swamp Rd: Additional sediment was pushed over the controls due to grounding wire installation. Pull all sediment back and reinforce controls as soon as possible.



Pond Hill Rd.: Hay mulch and seed remaining the previously disturbed area where the soil stockpiles had been. Ensure that cover is sufficient for winter months.



Pond Hill: Previously reclaimed areas continue to deteriorate and be disturbed through ATV tracking.



Docker Dr: Areas of exposed soils remain upgradient from wetlands. The previously applied mulch has either washed away or been disturbed by ATV traffic. The area should be temporarily stabilized sufficiently for winter months.



Old Farms Rd: Crews continue to stockpile soil upgradient from the wetlands. Ensure controls are in place to contain the soil. The storage container has been removed.



Old Farms Rd: Turbid water flowing off site from the ROW into a catch basin within the roadway. (See contractor update in report)