

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: January 8, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.25” of precipitation was recorded in the week prior to inspection with 0.24” reported on 1/1 (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. 1/8/08	See Erosion Control Section for more details 1/8/08	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, some timber mat & stone staging areas remain within wetlands. Hay and seed were applied before snow cover. 1/8/08	Monitor new controls and add silt fence/haybales as needed around disturbed areas. See the erosion control section for more details. 1/8/08	Needs to be monitored.
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. 1/8/08	Continue to monitor and add controls as needed. 1/8/08	NA
Tamarack Swamp Rd.	Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing the pad. 12/26-1/8/08 Although contained by controls, this is a large amount of stone material potentially outside of the proposed work limits. 1/8/08	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. 12/26-1/8/08	Needs attention.
Williams; S. Turnpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook;	No sediment tracking was noted on any of these roadways and the	Continue to monitor entrances and sweep as needed. 1/8/08	NA

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Carpenter Ln.; Pent Rd.; Oliver Creek Rd.	adjacent areas appear stable. Stone construction entrance pads remain in place at entrances. 1/8/08		
Pond Hill Rd. Docke 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 Docke Dr. 12/4-1/8/08	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. 12/4-1/8/08	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. 1/8/08	Monitor the area and add controls if needed. 1/8/08	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. 12/18-1/8/08	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-1/8/08	Sediment tracking needs some attention.
	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. Some controls are in one CB but more controls are needed. 12/18-1/8/08 Turbid run-off was reaching outlet wetlands despite controls. 1/8/08	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. 12/18-1/8/08 Stabilize exposed soil in the active work area as soon as feasible. 1/8/08	Needs attention and evaluation. More CB controls are needed.
	Equipment has damaged the access driveway for overhead work. 1/8/08	Access driveway should be evaluated and repaired as appropriate upon completion of work. 1/8/08	Needs evaluation
	The previously	Re-grade ruts and restore	Needs attention when

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<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8/08</p> <p>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-1/8/08</p> <p>The 2nd damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-1/8/08</p>	<p>the area. 1/8/08</p> <p>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-1/8/08</p> <p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-1/8/08</p>	<p>feasible.</p> <p>Needs attention.</p> <p>Needs attention</p>
<p>Foundation and site construction</p>	<p>Active work has resumed and contractors are working on foundations and structures in the ROW off Old Farms Rd. 1/8/08</p>	<p>Watch for turbid runoff and sediment tracking on driveways and roadway. See access roads and erosion control sections. 1/8/08</p>	<p>Needs attention.</p>
<p>Erosion and sediment controls Carpenter Ln. to Rt. 68</p> <p>Durham Rd. Liney Hall Ln.</p>	<p>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). 1/8/08</p> <p>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. 12/4-1/8/08</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</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. 1/8/08</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. 12/4-1/8/08</p> <p>Monitor and add controls along the road or wetland as needed. Stabilize area impacted by timber mats. 1/8/08</p>	<p>Continue to expedite restoration here.</p> <p>Needs evaluation.</p> <p>Monitor closely and increase controls as needed.</p>

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Williams Rd to East Center St.	<p>across Muddy Brook. 1/8/08</p> <p>Timber mats and silt fence remain in place at the Stony Brook site access. 1/8/08</p>	<p>Add controls as needed in this area. Stabilize soils when applicable. 1/8/08</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. 1/8/08</p> <p>Snowplows have pushed snow and a large amount of stone and sediment up to the controls at the wetland boundary during clearing. 1/8/08</p>	<p>Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-1/8/08</p> <p>See access road section and avoid pushing snow up to or within wetlands. 12/26-1/8/08 This is a large amount of material and should be pulled back to avoid encroachment. 1/8/08</p>	<p>Needs additional evaluation.</p> <p>Needs attention.</p>
Woodhouse Ave. Harrison Rd.	<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- 1/8/08</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. 9/25-1/8/08</p>	<p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-1/8/08</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-1/8/08 Even though it is not worsening, the gully should still be repaired. 1/8/08</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>

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Carpenter Ln. to Rte 68	<p>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. 1/8/08</p>	<p>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. 1/8/08</p>	Needs to be monitored
	<p>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 1/8/08</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. 1/8/08</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. 1/8/08</p>	<p>Remove sediment from wetlands before removing controls. Monitor for run-off. 5/8-1/8/08 Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization through the winter.. 1/8/08</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. 1/8/08</p>	<p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. 1/8/08</p>	NA
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</p>	<p>Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-1/8/08 Ensure that the potential encroachments are covered under the permit. 12/26-1/8/08</p>	Controls were replaced but the encroachment needs evaluation

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<p>Powers Rd. & Woodhouse Ave.</p> <p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>replaced but encroachments were not removed. 12/26-1/8/08</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. 10/10-1/8/08</p> <p>Several wetland crossings are in place. 1/8/08</p> <p>Despite controls at one of the catch basins, turbid run-off from the ROW was reaching the outlet wetlands again. 1/8/08</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. 10/10-1/8/08</p> <p>Monitor and maintain new controls. Crossings will need to be restored when access needs are complete. 1/8/08</p> <p>Control run-off at its source and add more controls to the catch basins. See access road and erosion control sections. 1/8/08</p>	<p>Further attention is needed here during 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. 1/8/08</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. 1/8/08</p> <p>Evidence of Eastern box turtles has been confirmed off Woodhouse Ave on 5/8/07 and in the section</p>	<p>Continue to monitor area and retain distance from active work. 1/8/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 1/8/08</p> <p>Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season began</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</p>

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	<p>appears to have washed away. 11/6-12/26/07 Previously hydroseeded areas along the shoulders also have ruts and disturbance. 12/26-1/8/08</p>	<p>Regrade the disturbed/rutted area and stabilize. 1/8/08</p>	
<p>Dewatering</p>	<p>Dewatering appears complete as the majority of foundations have been installed at this time except in a section awaiting approval as well as Old Farms Rd. and Tamarack Swamp Rd. 1/8/08</p>	<p>Remove and stabilize old dewatering pits as necessary, if dewatering is completed in the area. Maintain and use the dewatering pits as needed. 1/8/08</p>	<p>NA at this time. Work should shift to restoration.</p>
<p>Blasting</p>	<p>No blasting is proposed. 1/8/08</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. 1/8/08</p> <p>Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 1/8/08</p> <p>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. 12/26-1/8/08</p> <p>A drill rig parked on the ROW is leaking hydraulic fluid on the ground. No controls are in place at this time. 12/31-1/8/08</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. 1/8/08</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. 1/8/08</p> <p>Continue to keep storage materials away from wetlands. Remove soil when feasible. Ensure it is not within 100 feet of wetlands. See erosion control section. 12/26-1/8/08</p> <p>Add controls to contain the leak and repair equipment as soon as possible. Clean and remove affected soil. 12/31-1/8/07</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p> <p>Needs to be monitored</p> <p>Needs attention.</p>

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	<p>Several small soil stockpiles have been noted along the overhead segment in active areas. 1/8/08</p>	<p>Add controls as needed around stockpiles or remove piles when feasible. Ensure that spoil is not stored within 100 feet of wetlands. 1/8/08</p>	<p>Needs attention.</p>
<p>Additional Observations</p>	<p>None 1/8/08</p>	<p>None</p>	

Next likely scheduled inspection: Tuesday January 15, 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: New haybales remain at the wetland outlet. Previously accumulated sediment should be removed prior to restoration.



Tamarack Swamp Rd: Stone and sediment plowed off the pad up to the controls at the wetland boundary. This is a large amount of material that should be pulled back to avoid encroachment.



Pond Hill Rd: Timber mats were removed from the wetland crossing several weeks ago. Monitor the area for stabilization and seed for vegetative cover at the growing season.



Tuttle Ave: Stormwater controls consisting of drainage ditches and small detention traps, appear to keep sediment out of wetlands.



Old Farms Rd: New stockpiles need controls. Ensure that spoil is not being stored within 100 feet of wetlands.



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



Old Farms Rd: Sediment tracking and turbid runoff still occurring to the roadway.



Old Farms Rd: Even with some controls in some CBs, turbid run-off is reaching the wetland from the ROW. Provide more controls and stabilize at the source as soon as feasible.