

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 16, 2008

Inspector: Matthew Creighton

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

Rainfall: 1.43” of precipitation was recorded in the week prior to inspection with 0.93” reported on 1/11 (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. 1/16/08	See Erosion Control Section for more details 1/16/08	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. 1/16/08	Monitor new controls and add silt fence/haybales as needed around disturbed areas. See the erosion control section for more details. 1/16/08	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. 1/16/08	Continue to monitor and add controls as needed. 1/16/08	NA
Tamarack Swamp Rd.	Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing the pad. 12/26-1/16/08 Although contained by controls, this is a large amount of stone material potentially outside of the proposed work limits. 1/8-1/16/08	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. 12/26-1/16/08	Needs attention.
	New access road installation underway within the pasture east of	Clean/sweep roadway as needed during work and install controls adjacent	Needs attention.

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>the roadway. This includes an area of wetlands. Sediment tracking from equipment was noted on the roadway. 1/16/08</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. 1/16/08</p>	<p>to wetlands as needed. 1/16/08</p> <p>Continue to monitor entrances and sweep as needed. 1/16/08</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 also been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. 12/4-1/16/08</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. 12/4-1/16/08</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. 1/16/08</p>	<p>Monitor the area and add controls if needed. 1/16/08</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. Sediment tracking was noted on some driveways. 12/18-1/16/08</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. 12/18-1/16/08</p> <p>A new drainage swale/</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-1/16/08</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. 1/16/08</p> <p>Monitor new controls for</p>	<p>Sediment tracking needs some attention.</p> <p>Needs attention and evaluation. More CB controls are needed.</p> <p>A drainage swale was added.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>waterbar was installed at the low, saturated area along driveway. No turbid water was noted leaving the driveway. 1/15/08</p>	<p>effectiveness and replace as needed. 1/16/08</p>	<p>added.</p>
	<p>Equipment has damaged the access driveway for overhead work. 1/8-1/16/08</p>	<p>Access driveway should be evaluated and repaired as appropriate upon completion of work. 1/8-1/16/08</p>	<p>Needs evaluation</p>
	<p>New clearing was underway across a stream at the turn in the roadway. Machines are being used to clear trees and remove from wetlands via existing culverted access. 1/16/08</p>	<p>Monitor clearing techniques and add controls to stabilize soils upon completion of work. 1/16/08</p>	<p>Continue to monitor.</p>
	<p>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-1/16/08</p>	<p>Re-grade ruts and restore the area. 1/8-1/16/08</p>	<p>Needs attention when feasible.</p>
	<p>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-1/16/08</p>	<p>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-1/16/08</p>	<p>Needs attention.</p>
	<p>The 2nd damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-1/16/08</p>	<p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-1/16/08</p>	<p>Needs attention</p>
<p>Foundation and site construction</p>	<p>Contractors were performing line work and some clearing in the ROW off Old Farms Rd. 1/16/08</p>	<p>Watch for turbid runoff and sediment tracking on driveways and roadway. See access road and erosion control sections. 1/16/08</p>	<p>Continue to monitor.</p>
	<p>Crews were also constructing a new access road off Tamarack Swamp. 1/16/08</p>	<p>Watch for sediment tracking. See access road and erosion control sections. 1/16/08</p>	<p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Erosion and sediment controls Carpenter Ln. to Rt. 68</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). 1/16/08 ATV traffic was also noted in this area, damaging controls and leaving ruts. 1/16/08</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. 12/4-1/16/08</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. 1/16/08 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. 12/4-1/16/08</p>	<p>Continue to expedite restoration here.</p> <p>Needs evaluation.</p>
<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. 1/16/08</p>	<p>Monitor and add controls along the road or wetland as needed. Stabilize area impacted by timber mats. 1/16/08</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. 1/16/08</p>	<p>Add controls as needed in this area. Stabilize soils when applicable. 1/16/08</p>	<p>NA</p>
<p>Tamarack Swamp Rd.</p>	<p>A pad and foundation remain within wetlands with an adjacent area of standing water. Some encroachment has occurred both during installation and wire grounding. Controls were replaced around the sediment on 12/26. 1/16/08</p> <p>Snowplows have pushed snow and a large amount of stone and sediment up</p>	<p>Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-1/16/08</p> <p>See access road section and avoid pushing snow up to or within wetlands.</p>	<p>Needs additional evaluation.</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave. Harrison Rd.</p>	<p>to the controls at the wetland boundary during clearing. 1/8-1/16/08</p> <p>New access road is being installed for the final four foundations, including wetland crossing. 1/16/08</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- 1/16/08</p>	<p>12/26-1/16/08 This is a large amount of material and should be pulled back to avoid encroachment. 1/8-1/16/08</p> <p>Add controls adjacent to wetlands and to prevent tracking to the roadway during construction. See access roads section. 1/16/08</p> <p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-1/16/08</p>	<p>Needs attention.</p> <p>NA at this time. Continue to monitor until the growing season</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</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. 9/25-1/16/08</p> <p>Exposed areas remain mulched/seeded off Pond Hill Rd. However, ATVs have been driving over controls and exposed soils creating ruts. 12/4-1/16/08</p> <p>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</p>	<p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-1/16/08 Even though it is not worsening the gully should still be repaired. 1/16/08</p> <p>Add controls as needed along the edge of the 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. 12/4-1/16/08</p> <p>Maintain controls. Additional mulch is needed this time of year to encourage stabilization 11/6-1/8/08 Measures may be needed to prevent ATV traffic. 12/4-1/16/08</p>	<p>Gully needs evaluation/attention but it has not changed size since controls were added.</p> <p>Needs additional evaluation due to ATVs</p> <p>Needs evaluation/attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd.</p>	<p>washed away or been disturbed by ATVs. 11/6-1/16/08 Areas are currently snow covered. 1/16/08</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 has been installed to prevent turbid run-off from the saturated driveway crossing. 1/16/08</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. 12/26-1/16/08 A new stockpile was also observed and controls were needed. 1/8-1/16/08</p>	<p>When thaw occurs and soils are exposed, provide stabilization as previously recommended. 1/16/08</p> <p>Stabilize disturbed areas to the extent feasible. Add controls as needed to contain sediment and filter run-off. Monitor receiving catch basins controls. Monitor the new drainage area for effectiveness. 1/16/08</p> <p>Temporarily stabilize soils in this active area as soon as possible. 12/26-1/16/08</p> <p>Ensure that spoil piles are not stored within 100 feet of wetlands. 1/16/08</p>	<p>Drainage swale has been installed to reduce run-off.</p> <p>Stockpiles need evaluation.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand.</p> <p>In accordance with the D&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. 1/16/08</p> <p>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford</p>	<p>Approved work in wetlands will follow the permit guidelines. 1/16/08</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. 1/16/08</p> <p>This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas.</p>	<p>NA</p> <p>Needs to be evaluated.</p> <p>Needs to be monitored</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Carpenter Ln. to Rte 68	<p>from existing pole #8798 to Beseck SS. 1/16/08</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 been replaced and disturbed areas were re-mulched and seeded prior to the snow cover. 1/16/08</p>	<p>Refuel and store equipment outside of the district. 1/16/08</p> <p>Remove sediment from wetlands before removing controls. Monitor for run-off. 5/8-1/16/08 Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization through the winter.. 1/16/08</p>	<p>Continue to expedite work here.</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. 1/16/08</p>	<p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. 1/16/08</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. 12/26-1/16/08</p>	<p>Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-1/16/08 Ensure that the potential encroachments are covered under the permit. 12/26-1/16/08</p>	<p>Controls were replaced but the encroachment needs evaluation</p>
Powers Rd. & Woodhouse Ave.	<p>New access road/ wetland crossing was noted to the east. Controls were not in place adjacent to the work. 1/16/08</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</p>	<p>Install controls to prevent run-off from the road to adjacent wetlands. See erosion control section. 1/16/08</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</p>	<p>Needs attention</p> <p>Further attention is needed here during final stabilization.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>was removed from the wetland prior to seeding (noted 9/25) Now the area has well-established grass cover. 10/10-1/16/08</p> <p>Several wetland crossings are in place. 1/16/08</p> <p>Wetland clearing and crossing underway via an existing bridge and culvert. 1/16/08</p>	<p>area again before final stabilization. 10/10-1/16/08</p> <p>Monitor and maintain new controls. Crossings will need to be restored when access needs are complete. 1/16/08</p> <p>Add controls to prevent run-off from any soil disturbance. See access road and erosion control sections. 1/16/08</p>	<p>NA at this time.</p> <p>Monitor work closely.</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 1/16/08</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. 1/16/08</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. 1/16/08</p>	<p>Continue to monitor area and retain distance from active work. 1/16/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 1/16/08</p> <p>Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season began Nov. 1st and sweeps for turtles are not required until active season begins in April. 1/16/08</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. 1/16/08</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&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 have returned for activities off Tamarack Swamp and Old Farms. 1/16/08</p>	<p>mindful of the extent of clearing flags. 1/16/08</p> <p>The D&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). 12/4-1/16/08</p>	<p>Needs attention within timelines provided.</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. 1/16/08</p>	<p>Continue to monitor and replace shrubs if needed. 1/16/08</p>	<p>NA at this time.</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p>	<p>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- 1/16/08</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. 11/20-1/16/08</p>	<p>Needs additional attention when snow cover is gone.</p>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Soil remains exposed here as active work is occurring. 1/16/08 Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26-1/16/08</p> <p>New clearing was underway across a stream. Machines are being used to clear trees and remove them from wetlands. 1/16/08</p>	<p>See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section. 1/16/08 Regrade the disturbed/rutted area and stabilize. 1/16/08</p> <p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan (20ft in this location). Be extremely mindful of the extent of clearing. 1/16/08</p>	<p>Some controls were installed but needs additional attention</p> <p>Needs to be monitored.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	Dewatering appears complete as the majority of foundations have been installed at this time except off Tamarack Swamp Rd. 1/16/08	Remove and stabilize old dewatering pits as necessary, if dewatering is completed in the area. Maintain and use the dewatering pits as needed. 1/16/08	NA at this time. Work should shift to restoration.
Blasting	No blasting is proposed. 1/16/08	None	NA
Spills, soils and material storage All Active Sites Old Fams Rd.	Spill control materials are being brought to sites when work is performed. 1/16/08 Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 1/16/08 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. 12/26-1/16/08 A drill rig parked on the ROW is leaking hydraulic fluid (noted since 12/31) This week, a plastic tarp and timber mats were in place under the equipment. However, the drips are not contained and are washing off the plastic to the ground. 1/16/08	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. 1/16/08 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. 1/16/08 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. 12/26-1/16/08 Add controls to contain the leak and repair equipment as soon as possible. Clean and remove affected soil. 12/31-1/16/08 The plastic tarp is not effective in this case. Absorbent spill pads are needed. 1/16/08	Needs regular attention. Continue to monitor throughout construction. Needs to be monitored Plastic tarps were placed under the equipment but drips are still washing off to the ground. Still needs attention.
Additional Observations	None 1/16/08	None	

**Next likely scheduled
inspection:**

Tuesday January 22, 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 remain at the wetland outlet. ATVs continue to deteriorate controls and leave tracks in wetlands.



Tamarack Swamp Rd: New access road installation underway. Wetland crossing is noted and controls will be needed. Sediment tracking is an issue.



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.



Docker Dr: The large area of disturbed soil is currently frozen under snow cover. When thaw occurs, provide temporary stabilization as previously noted.



Old Farms Rd: Clearing was underway at a wetland crossing. Retain all woody species approved in the D&M plan.



Old Farms Rd: Overhead line work was underway at new structures.



Old Farms Rd: New drainage ditch/water bar installed along a low, saturated section of driveway.



Old Farms Rd: Leaking equipment now has a plastic tarp to contain drips. However, fluid is still washing onto the ground off the tarp. Leak should be repaired as soon as possible.