

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 29, 2008

Inspector: Matthew Creighton

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

Rainfall: No precipitation was recorded in the week prior to inspection (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. 1/29/08	See Erosion Control Section for more details 1/29/08	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. 1/29/08	Monitor new controls and add silt fence/haybales as needed around disturbed areas. See the erosion control section for more details. 1/29/08	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. New access road was being installed and minor pad work was being done off Liney Hall Ln. 1/29/08	Continue to monitor and add controls as needed. 1/29/08	NA at this time.
Tamarack Swamp Rd.	Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing the pad. 12/26-1/29/08 Although contained by controls, this is a large amount of stone material potentially outside of the proposed work limits. 1/8-1/29/08	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. 12/26-1/29/08	Needs attention.

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	<p>New access road installation complete within the pasture east of the roadway. This includes wetland crossings via culverts. Roadway has been cleaned of sediment and some grading was noted. 1/29/08</p>	<p>Clean/sweep roadway as needed during work and monitor controls at wetland crossings. 1/29/08</p>	<p>Roadway was swept.</p>
<p>Williams; S. Turnpike + Merritt Parkway; 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. 1/29/08</p>	<p>Continue to monitor entrances and sweep as needed. 1/29/08</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. 12/4-1/29/08</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. 12/4-1/29/08</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. 1/29/08</p>	<p>Monitor the area and add controls if needed. 1/29/08</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. 12/18-1/29/08</p> <p>Sediment from active work and tracking was noted on several driveways as well as Old Farms Rd. Add controls to CBs downgradient</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-1/29/08</p> <p>Add controls to CBs and sweep sediment as needed.</p> <p>Stabilize exposed soil in the active work area as soon as possible. 1/29/08</p>	<p>NA at this time</p> <p>Sediment tracking needs some attention.</p> <p>More CB controls are needed.</p>

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<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>when working in the area. 12/18-1/29/08</p>	<p>soon as feasible. 1/29/08</p>	
	<p>A new drainage swale/ waterbar was installed at the low, saturated area along driveway (1/15). No turbid water was noted leaving the driveway. 1/29/08</p>	<p>Monitor new controls for effectiveness and replace as needed. 1/29/08</p>	<p>NA at this time.</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. 1/29/08</p>	<p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-1/29/08</p>	<p>Needs evaluation and attention upon project completion.</p>
	<p>The new clearing across a stream (on the way to Cook Hill Jct.) was complete. Mulch and seed remain in place for temporary stabilization. 1/29/08</p>	<p>Monitor this area closely as more controls may be needed to prevent run-off into the stream. 1/29/08</p>	<p>Continue to monitor.</p>
	<p>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-1/29/08</p>	<p>Re-grade ruts and restore the area. 1/8-1/29/08</p>	<p>Needs attention when feasible.</p>
	<p>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-1/29/08</p> <p>The 2nd damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-1/29/08</p>	<p>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-1/29/08</p> <p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-1/29/08</p>	<p>Needs attention.</p> <p>Needs attention</p>
<p>Foundation and site construction</p>	<p>Minor pad work was underway off Liney Hall Ln. Stone was being brought to the site and new access road/pad</p>	<p>Add controls as needed and monitor wetlands controls for effectiveness. 1/29/08</p>	<p>Continue to monitor.</p>

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<p>Tamarack Swamp Rd.</p>	<p>was constructed for water storage to be used with a dust control truck. Silt fence was installed and the berm around the basin was mulched. 1/29/08</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 grounding. Controls were replaced around the sediment on 12/26. 1/29/08</p> <p>Snowplows have pushed snow and a large amount of stone and sediment up to the controls at the wetland boundary during clearing. 1/8-1/29/08</p> <p>New access road is complete and the final foundations are being drilled. Access road crosses several small wetlands via culvert. Silt fence remains at the crossings. 1/29/08</p>	<p>effectiveness. 1/29/08</p> <p>Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-1/29/08</p> <p>See access road section and avoid pushing snow up to or within wetlands. 12/26-1/29/08 This is a large amount of material and should be pulled back to avoid encroachment. 1/8-1/29/08</p> <p>Continue to monitor controls installed adjacent to wetlands and used in drilling. See access roads section. 1/29/08</p>	<p>for dust control and good controls were in place at the basin.</p> <p>Needs additional evaluation.</p> <p>Needs attention.</p> <p>Continue to monitor.</p>
<p>Woodhouse Ave. Harrison Rd.</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- 1/29/08</p> <p>Controls, including several large fiber rolls remain along the slope and at the sediment trap. Even though the large</p>	<p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-1/29/08</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the</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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<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>gully on the slope does not seem to be worsening it ends at the stream and should be addressed. 9/25-1/29/08</p> <p>Exposed areas remain mulched/seeded off Pond Hill Rd. However, ATVs have been driving over controls and exposed soils creating ruts. 12/4-1/29/08</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 washed away or been disturbed by ATVs. 11/6-1/29/08</p>	<p>controls. 10/2-1/29/08 Even though it is not worsening the gully should still be repaired. 1/29/08</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. 12/4-1/29/08</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. 12/4-1/29/08 When thaw occurs and soils are exposed, provide stabilization as previously recommended. 1/29/08</p>	<p>Needs additional evaluation due to ATVs</p> <p>Needs evaluation/attention.</p>
<p>Old Farms Rd.</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 is in place (since 1/16) to prevent turbid run-off from the saturated driveway crossing. 1/29/08</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. 12/26-1/29/08</p> <p>Additional stockpiles were being created during the inspection as a result</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. 1/29/08</p> <p>Temporarily stabilize soils in this active area as soon as possible. 12/26-1/29/08</p> <p>Ensure that spoil piles are not stored within 100 feet of wetlands. 1/29/08</p> <p>Add controls to additional stockpiles or remove spoil as needed.</p>	<p>Drainage swale has reduced run-off.</p> <p>Stockpiles need evaluation.</p> <p>NA.</p>

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	of foundation drilling 1/29/08	Ensure that spoil piles are not stored within 100 feet of wetlands 1/29/08	
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 1/29/08</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. 1/29/08</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. 1/29/08</p> <p>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. 1/29/08</p>	<p>Approved work in wetlands will follow the permit guidelines. 1/29/08</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. 1/29/08</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. 1/29/08</p> <p>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.. 1/29/08</p> <p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. 1/29/08</p> <p>Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just</p>	<p>NA</p> <p>Needs to be evaluated.</p> <p>Needs to be monitored</p> <p>Continue to expedite work here.</p> <p>NA</p> <p>The encroachment needs evaluation</p>
Carpenter Ln. to Rte 68			
Durham Rd. Liney Hall Ln.			
Tamarack Swamp Road			

Areas of Inspection	Observation	Recommended Action	Corrected Action
Powers Rd. & Woodhouse Ave.	<p>over controls into wetlands. Controls were replaced around the sediment each time but the encroachments were not removed. 12/26-1/29/08</p> <p>New access road/ wetland crossings have been installed to the east. Controls are in place adjacent to the work. 1/29/08</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. 10/10-1/29/08</p>	<p>encompass it. 12/4-1/29/08 Ensure that the potential encroachments are covered under the permit. 12/26-1/29/08</p> <p>Monitor controls and ensure there are sufficient to prevent run-off from the road to adjacent wetlands. Crossings need to be removed/restored when access is complete. 1/29/08</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. 10/10-1/29/08</p>	<p>NA at this time</p> <p>Further attention is needed here during final stabilization.</p>
Mansion Rd to Tuttle Ave.	<p>Several wetland crossings are in place. 1/29/08</p>	<p>Monitor and maintain new controls. Crossings will need to be restored when access needs are complete. 1/29/08</p>	<p>NA at this time.</p>
Old Farms Rd.	<p>Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas were mulched and seeded. 1/29/08</p>	<p>Additional controls may be needed to prevent run-off from any soil disturbance. See access road and erosion control sections. 1/29/08</p>	<p>NA at this time.</p>
State species of concern, threatened and endangered species.	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 1/29/08</p>	<p>Continue to monitor area and retain distance from active work. 1/29/08</p>	<p>NA</p>
Liney Hall Rd	<p>Several frog and salamander egg masses</p>	<p>Prevent turbidity and direct impacts to these</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</p>	<p>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. 1/29/08</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. 1/29/08</p>	<p>areas to the extent feasible. 1/29/08</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. 1/29/08</p>	<p>NA at this time.</p>
<p>Vegetative clearing or stabilization</p> <p>Most work areas Have been cleared</p> <p>Woodhouse Ave and Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 1/29/08</p> <p>Work is complete, at least temporarily, in many areas along the route. However, crews have returned for activities off Powers Rd and Old Farms Rd. 1/29/08</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. 1/29/08</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</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan. Be extremely mindful of the extent of clearing flags. 1/29/08</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). 12/4-1/29/08</p> <p>Continue to monitor and replace shrubs if needed. 1/29/08</p> <p>See erosion control section. Apply additional mulch with binders or erosion control mats as applicable to encourage stabilization at this time</p>	<p>NA</p> <p>Needs attention within timelines provided.</p> <p>NA at this time.</p> <p>Needs additional attention when snow cover is gone.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>seed/hay appears to have washed away and turbid run-off was resulting. 11/6- 1/29/08</p> <p>Soil remains exposed here as active work is occurring. 1/29/08</p> <p>Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26- 1/29/08</p> <p>New clearing was complete across a stream. Mulch and seed were applied for temporary stabilization. 1/29/08</p>	<p>of year. 11/20-1/29/08</p> <p>See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section. 1/29/08</p> <p>Regrade the disturbed/rutted area and stabilize. 1/29/08</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. 1/29/08</p>	<p>Some controls were installed but needs additional attention</p> <p>Needs to be monitored.</p>
<p>Dewatering</p>	<p>The majority of foundations have been installed at this time with the exception of a few off Tamarack Swamp Rd. and Old Farms Rd. 1/29/08</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. 1/29/08</p>	<p>NA at this time. Work should shift to restoration.</p>
<p>Blasting</p>	<p>No blasting is proposed. 1/29/08</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>All Active Sites</p>	<p>Spill control materials are being brought to sites when work is performed. 1/29/08</p> <p>Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 1/29/08</p> <p>A dust control truck had</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. 1/29/08</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. 1/29/08</p> <p>Spill controls should be</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p> <p>Needs attention.</p>



Carpenter Lane: Haybales remain at the wetland outlet. ATVs continue to damage controls and leave tracks in wetlands.



Liney Hall Rd: New access road installation and pad work were underway.



Stony Brook: A temporary detention basin with controls was constructed to hold water for a dust control truck.



Stony Brook: One of two spills attributed to the leaking dust control truck. Controls should be installed under the equipment and the leak should be repaired.



Tamarack Swamp Rd: Grading was noted along the edge of the roadway and mulch/seed was installed to help with erosion. Roadway was also swept clean.



Powers Rd: Line work underway at multiple structures.



Old Farms Rd: A new foundation was being drilled with the previously leaking piece of equipment (Note: it is unclear whether the equipment was repaired first.)



Old Farms Rd: Plastic tarp and timber mats where leaking equipment was previously stored. Spill still needs containment and clean up as it has the potential to wash off the plastic to the ground.