

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 18, 2007

Inspector: Matthew Creighton

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

Rainfall: Snowfall totals of 2-4” were reported on 12/16 in the Meriden area but precipitation amounts were not yet totaled. (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. 12/18/07	See Erosion Control Section for more details 12/18/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. Hay and seed were applied before snow cover. Snow cover was noted in the wetlands. 12/18/07	Monitor new controls and add silt fence/haybales as needed around disturbed areas. See the erosion control section for more details. 12/18/07	Needs to be monitored
	A culvert remains in place at a small access road stream crossing to reach several pad sites between High Hill Rd. and Carpenter Ln. 12/18/07	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. 12/18/07	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. 12/18/07	Continue to monitor and add controls as needed. 12/18/07	NA
Williams Rd. to East Center St.	Stone is in place for access at a previously mowed area off Williams Rd. 12/18/07	Stone should be removed and lawn area should be restored upon completion of the project work. 12/18/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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. 12/18/07</p>	<p>Continue to monitor entrances and sweep as needed. 12/18/07</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. 12/4-12/18/07</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 . 12/4-12/18/07</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. 12/18/07</p>	<p>Monitor the area and add controls if needed. 12/18/07</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 some driveways. 12/18/07</p> <p>Sediment from drilling and equipment tracks was noted on several access roads as well as Old Farms Rd. Add controls to CBs downgradient when working in the area. Some control was added to one CB but more controls are needed. 12/18/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18/07</p> <p>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. 12/18/07</p>	<p>Sediment tracking needs some attention</p> <p>A CB control was added but more controls are needed. Needs regular attention and evaluation.</p>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Hydroseed remains along the exposed soils at the edge of the roadway. 12/18/07</p>	<p>Continue to monitor until stabilization is achieved. 12/18/07</p>	<p>NA</p>

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	<p>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-12/18/07</p> <p>The 2nd damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-12/18/07</p>	<p>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-12/18/07</p> <p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-12/18/07</p>	<p>Needs attention.</p> <p>Needs attention</p>
<p>Foundation and site construction</p> <p>Carpenter Lane, High Hill Rd., Rte. 68</p> <p>All sites except off Old Farms Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Old Farms Rd.</p>	<p>Line work will continue between Carpenter Ln. and Beseck. 12/18/07</p> <p>Line work underway from Beseck to Durham Rd. 12/18/07</p> <p>Poles have been installed. Grounding wire installation may continue. 12/18/07</p> <p>No new work since some timber mat removal and reclamation. 12/18/07</p> <p>Foundation drilling/pouring underway. Crews had stockpiling soils on-site upgradient from wetlands. Controls are covered in snow and ice but appear to contain the stockpile. 12/18/07</p>	<p>See erosion control section and continue to restore the area. 12/18/07</p> <p>Monitor controls and snow/ice removal. 12/18/07</p> <p>See erosion control section for more details. 12/18/07</p> <p>See EC and access road section for more detail. 12/18/07</p> <p>Monitor foundation installation and add controls as needed. See erosion controls section. 12/18/07</p>	<p>NA.</p> <p>NA.</p> <p>NA</p> <p>NA</p> <p>NA.</p>
<p>Erosion and sediment controls</p> <p>Carpenter Ln. to Rt. 68</p>	<p>Snow/ice cover was present 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) 12/18/07</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.</p>	<p>Haybales have been replaced and disturbed areas were mulched and seeded.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Durham Rd. Liney Hall Ln.</p>	<p>Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative cover. 12/4-12/18/07</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. 12/18/07</p>	<p>12/18/07</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 growing season. 12/4-12/18/07</p> <p>Monitor and add controls along the road or wetland as needed. Stabilize area impacted by timber mats. 12/18/07</p>	<p>Needs evaluation</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. 12/18/07</p>	<p>Add controls as needed in this area. Stabilize soils when applicable. 12/18/07</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. Some encroachment had occurred during installation. Grounding wire installation had also knocked over the controls and more sediment was encroaching on the wetland. 12/4-12/18/07</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. 12/4-12/18/07</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. 11/27-12/18/07</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. 11/27-12/18/07</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-12/18/07</p>	<p>Needs additional attention.</p> <p>Gully needs evaluation/attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>addressed. 9/25-12/18/07</p> <p>Controls remain in place down the slope off Harrison Rd. where the stockpile was removed 12/4. The planted shrubs along the stream channel are in good shape. 12/18/07</p> <p>Exposed areas remain mulched/seeded off Pond Hill Rd. However, ATVs have been driving over controls and exposed soils creating ruts. 12/4-12/18/07</p>	<p>Maintain controls and monitor exposed soils. Temporarily stabilize areas if work activities will not return within 21 days. 12/4-12/18/07</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 AT traffic and to stabilize soils through winter. 12/4-12/18/07</p>	<p>Needs stabilization within timelines.</p> <p>Needs additional evaluation due to ATVs</p>
<p>Old Farms Rd.</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. 11/6-12/18/07</p> <p>Turbid run-off was noted between 11/6-11/27, and on 12/11, from work near structure #24209. This week, sediment was noted on the snow, access roads, and roadway. Soils were stockpiled upgradient from wetlands onsite and silt fence and fiber rolls were installed at the base of the stockpile. 12/18/07</p>	<p>Maintain controls. Additional mulch is needed this time of year to encourage stabilization 11/6-12/11/07 Measures may be needed to prevent ATV traffic. 12/4-12/18/07</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. A culvert should be considered at driveway crossings to reduce run-off. 11/6-12/18/07</p>	<p>Needs evaluation/attention.</p> <p>Controls installed around the stockpile. One CB has new controls but more are needed.</p> <p>Sediment needs attention.</p>
<p>All areas</p>	<p>The ROW has approximately 6" of snow/ice cover and is currently frozen and stable. Sediment tracking</p>	<p>Monitor controls and tracking in active areas. Monitor controls during freeze/thaw periods. Caution should be taken</p>	<p>Monitor closely.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	has been noted in some active areas. 12/18/07	when plowing snow from access roads and pads so as not to damage controls. 12/18/07	
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Carpenter Ln. to Rte 68</p> <p>Durham Rd. Liney Hall Ln.</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 12/18/07</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 when work is complete. 12/18/07</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. 12/18/07</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 upgradient were re-mulched and seeded prior to the snow cover. 12/18/07</p> <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.</p>	<p>Approved work in wetlands will follow the permit guidelines. 12/18/07</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. 12/18/07</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. 12/18/07</p> <p>Remove sediment from wetlands before removing controls. Monitor for run-off. 5/8-12/18/07 Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization through the winter. 12/18/07</p> <p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. 12/18/07</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>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Tamarack Swamp Road	<p>12/18/07</p> <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 additional sediment is encroaching. 12/4-12/18/07</p>	<p>Area is sensitive and should be monitored closely. Carefully remove any remaining sediment from the wetlands 11/6-12/18/07 Pull soil back before installing new controls, do not just encompass it. 12/4-12/18/07</p>	<p>Needs attention.</p>
Powers Rd. & Woodhouse Ave.	<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. 10/10-12/18/07</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. 10/10-12/18/07</p>	<p>Further attention is needed here during final stabilization.</p>
Woodhouse Ave. Harrison Rd.	<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) 12/18/07</p>	<p>Monitor controls and continue stabilization efforts along the gully/washout. Even though it is not worsening, the gully should still be repaired. 11/13-12/18/07</p>	<p>Needs evaluation/proactive attention.</p>
Mansion Rd to Tuttle Ave.	<p>Several wetland crossings are in place. 12/18/07</p>	<p>Monitor and maintain new controls. 12/18/07</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. 12/18/07</p>	<p>Continue to monitor area and retain distance from active work. 12/18/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Liney Hall Rd</p> <p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</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. 12/18/07</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. 12/18/07</p>	<p>Prevent turbidity and direct impacts to these areas to the extent feasible. 12/18/07</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. 12/18/07</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>Powers Rd.</p> <p>Woodhouse Ave and Harrison Rd.</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 12/18/07</p> <p>Work is complete, at least temporarily, in many areas along the route. However, crews have to return for future activities in some locations. 12/4-12/18/07</p> <p>A reclaimed wetland area has well-established grass cover. However, stone placed here was not removed completely prior to seeding. 12/18/07</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. 12/18/07</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. 12/18/07</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). 12/4-12/18/07</p> <p>This issue will have to be addressed when crews return to perform final work and restoration in the area. 12/18/07</p> <p>Continue to monitor and replace shrubs if needed. 12/18/07</p>	<p>NA</p> <p>Needs attention within timelines provided</p> <p>Needs to be addressed at final stabilization.</p> <p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p> <p>Tuttle Ave.</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Brook. 12/18/07</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 11/6-12/18/07</p> <p>Small disturbed areas from grounding wire were noted around new structures. 12/4-12/18/07</p> <p>Some controls were installed last week however, sediment tracking and run-off were still noted along the access roads and roadway. 12/18/07 Soil remains exposed here as previously applied seed appears to have washed away. 11/6-12/18/07</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. 11/20-12/18/07</p> <p>Add controls and stabilize disturbed areas within timelines 12/18/07</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. 11/13-12/18/07 Active work was ongoing here.</p>	<p>Needs additional attention.</p> <p>NA at this time.</p> <p>Some controls were installed but needs additional attention.</p>
<p>Dewatering</p>	<p>Dewatering appears complete as the majority of foundations have been installed at this time except off Old Farms Rd. and in a section awaiting approval. 12/18/07</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 12/18/07</p>	<p>NA at this time. Work should shift to restoration</p>
<p>Blasting</p>	<p>No blasting is proposed. 12/18/07</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. 12/18/07</p> <p>Many active sites continue to have small stockpiles associated with</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. 12/18/07</p> <p>Monitor equipment closely for leaks as they move from site to site to</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd.	<p>drilling and stored equipment during the construction process. 12/18/07</p> <p>Soil continues to be stockpiled upgradient of the wetlands but controls have been installed. 12/18/07</p>	<p>prevent repeated problems. Always contain and control stockpiles as soon as possible. 12/18/07</p> <p>Continue to keep storage materials away from wetlands. See erosion control section. 12/18/07</p> <p>Avoid storing concrete washout upgradient from wetlands as well. 12/18/07</p>	<p>Controls were installed at the stockpile.</p>
Additional Observations	None 12/18/07	None	

Next likely scheduled inspection: Tuesday December 26, 2007

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: Line work was underway from Beseck to Durham Rd.



High Hill Rd: Line work underway.



Tamarack Swamp Rd: Controls were degraded from grounding crew activities and are now under snow cover.



Pond Hill Rd: View of the previously disturbed area where the stockpile had been. Seed and mulch were applied prior to the snow cover.



Docker Dr: View of the area with regular ATV disturbance and ruts. More stabilization measures will be necessary here when snow cover is gone.



Old Farms Rd: Foundation and structure installation is underway.



Old Farms Rd: Controls installed at the base of soil stockpiles prior to snow cover.



Old Farms Rd: Sediment tracking and turbid run-off noted from active areas.