

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 4, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.80" of precipitation was recorded in the week prior to inspection with 0.70" of the total reported on 12/3 (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. 12/4/07	See Erosion Control Section for more details 12/4/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, some timber mat & stone staging areas remain within wetlands. Sediment is accumulating along controls at drainage ditch. 8/28-11/13/07 Turbid run-off was noted in the wetlands following rain events between 11/6-11/27 Clear water was noted in the wetlands this week. 12/4/07	Add controls as needed along the wetlands. See the erosion control section for more details. 12/4/07	Needs attention
	A culvert remains in place at a small access road stream crossing to reach several pad sites between High Hill Rd. and Carpenter Ln. 12/4/07	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. 12/4/07	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. 12/4/07	Continue to monitor and add controls as needed. 12/4/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd. to East Center St.	Stone is in place for access at a previously mowed area off Williams Rd. 12/4/07	Stone should be removed and lawn area should be restored upon completion of the project work. 12/4/07	NA
S. Turnpike + Merritt Parkway Area; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.	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. 12/4/07	Continue to monitor entrances and sweep as needed. 12/4/07	NA
Pond Hill Rd. Docker Dr.	Timber mats and access road removed from wetlands off Pond Hill Rd. Exposed soils have been mulched and seeded. However, controls were not installed at wetlands. ATVs have also been causing ruts and disturbance here. 12/4/07	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 . 12/4/07	The wetland crossing was removed and the area was mulched. Needs to be monitored.
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.. 12/4/07	Monitor the area and add controls if needed. 12/4/07	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 a driveway. 12/4/07	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/4/07	Needs some attention.
	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. 12/4/07	Additional controls are needed along the slope and access road in the ROW to contain sediment. Ensure proper controls are in the catch basin. 11/27-12/4/07	Needs attention
Old Farms Rd. (115kV Underground trench-	Hydroseed remains along	Continue to monitor until	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
work)	<p>the exposed soils at the edge of the roadway. 12/4/07</p> <p>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-12/4/07</p> <p>The 2nd damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-12/4/07</p>	<p>stabilization is achieved. 12/4/07</p> <p>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-12/4/07</p> <p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-12/4/07</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 Farms Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 - Rte. 5)</p> <p>Mansion Rd. Apple Orchard</p>	<p>Crews were working on pulling lines from Carpenter Ln. into Beseck SS. 12/4/07</p> <p>Poles have been installed. Grounding wire installation continues in several areas including Tamarack Swamp Rd. 12/4/07</p> <p>Timber mats have been removed and pad sites and stockpiles have been reclaimed. 12/4/07</p> <p>Crews were working on grounding wire installation and line work during the inspection. 12/4/07</p>	<p>See erosion control section and continue to restore the area. 12/4/07</p> <p>See erosion control section for more details, especially at Tamarack Swamp. 12/4/07</p> <p>See EC and access road section for more detail. 12/4/07</p> <p>Monitor exposed areas and stabilize sufficiently for the D&M plans. 12/4/07</p>	<p>See erosion control section</p> <p>See erosion control section</p> <p>Reclamation was noted.</p> <p>NA.</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). During rain events, turbid water continues to be noted within wetland (between 11/6-11/27). Haybales have deteriorated and can no longer filter sediment. 11/6-12/4/07</p>	<p>Remove any accumulated sediment and stabilize the area. 6/19-11/13/07</p> <p>Replace controls and reinforce them around disturbed areas along the wetlands and access roads. Any areas where work will not return for 21 days needs temp. stabilization. 11/6-12/4/07</p>	<p>Needs attention</p> <p><i>Temporary stabilization requires more than silt fence/haybales in place</i></p>

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Durham Rd.	<p>Some areas remain exposed following partial restoration efforts in the area. Turbid run-off was noted flowing into the wetlands (between 11/6-11/27). Controls are needed around the pad. 10/30-12/4/07</p> <p>Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative cover. 12/4/07</p>	<p>Add controls adjacent to wetlands. Any areas where work will not return for 21 days need temporary stabilization. 11/6-11/20/07 This area was at 21 days as of 11/20 before line pulling crews returned on 12/4/07</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. 12/4/07</p>	<p>Needs attention.</p> <p>Needs evaluation.</p>
Liney Hall Ln.	<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. 12/4/07</p>	<p>Monitor and add controls along the road or wetland as needed. Stabilize area impacted by timber mats. 12/4/07</p>	<p>Monitor closely and increase controls as needed.</p>
Williams Rd to East Center St.	<p>Timber mats and silt fence remain in place at the Stony Brook site access. The continued disturbance/fill of the exposed soil adjacent to wetlands off Williams Rd. was determined to be related to the landowner activities. No controls were added. 12/4/07</p>	<p>Attempt to add appropriate controls between the exposed soil and the undisturbed portion of wetlands even though landowner activities continue here 12/4/07</p>	<p>Most issues are related to the landowner but attempt to improve if feasible</p>
Tamarack Swamp Rd. Powers Rd. & Woodhouse Ave.	<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,</p>	<p>Carefully pull back and remove remaining sediment from beyond the original silt fence as soon as possible. 10/30-12/4/07 Replace the controls knocked down by ground wire installation and ensure that sediment is removed, not just encompassed. 12/4/07</p>	<p>Needs attention.</p>

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<p>Woodhouse Ave. Harrison Rd.</p>	<p>grounding wire installation has resulted in knocking down the controls and more sediment encroaching on the wetland. 12/4/07</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. 11/27-12/4/07</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 addressed. 9/25-12/4/07</p> <p>The soil stockpile was removed from the site off Harrison Rd. Controls remain in place down-slope. The planted shrubs along the stream channel are in good shape. 12/4/07</p>	<p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-12/4/07</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-12/4/07</p> <p>Maintain controls and monitor exposed soils. Temporarily stabilize areas if work activities will not return within 21 days. 12/4/07</p>	<p>Needs additional attention.</p> <p>Gully needs evaluation/attention.</p> <p>The stockpile has been removed. Stabilize within timelines.</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>Timber mat and pad removal is complete within the wetlands north/south of Pond Hill. Exposed areas have been mulched/seeded. ATVs have been driving over controls and exposed soils creating ruts. 12/4/07</p> <p>Turbid water was noted ponding at the edge of the controls off Docker Dr. Large areas of exposed soils had previously been seeded but it appears most seed/mulch has washed away or been disturbed</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 AVT traffic and to stabilize soils through winter. 12/4/07</p> <p>Maintain controls. Additional mulch is needed this time of year to encourage stabilization 11/6-12/4/07 Measures may be needed to prevent ATV traffic.12/4/07</p>	<p>Timber mats and pad sites have been removed. Needs additional evaluation due to ATVs.</p> <p>Needs evaluation/attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd.	<p>by ATVs. 11/6-12/4/07</p> <p>Turbid run-off was noted between 11/6-11/27, flowing from exposed soil near structure #24209 into catch basins in the roadway and eventually to off-site wetlands. Foundations are in place upgradient from wetlands. 12/4/07</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. 11/6-12/4/07</p>	Needs attention
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Carpenter Ln. to Rte 68</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 12/4/07</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. 12/4/07</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. 12/4/07</p> <p>Timber mat staging areas and several structures are in place within wetlands off Carpenter Ln. Sediment was noted accumulating at controls at the wetland edge (since 5/8) However, controls are now deteriorating and turbid water was noted within the wetland (from 11/6-11/27) as a result of</p>	<p>Approved work in wetlands will follow the permit guidelines. 12/4/07</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. 12/4/07</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. 12/4/07</p> <p>Remove sediment from wetlands before removing controls. Monitor for run-off. 5/8-12/4/07 Replace the deteriorating controls and reinforce controls between the exposed work areas and the wetlands. Remove accumulated sediment. 11/6-12/4/07 Exposed areas need to be</p>	<p>NA</p> <p>Needs to be evaluated.</p> <p>Needs to be monitored</p> <p>Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Durham Rd. Liney Hall Ln.	<p>run-off from surrounding disturbed areas. 12/4/07</p> <p>Soil was exposed as a result of grounding wire installation at the foundation at wetlands off Liney Hall Ln. 11/27-12/4/07</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. 12/4/07</p>	<p>temporarily stabilized as the area reached 21 days with no activity prior to the return of line pulling crews. 12/4/07</p> <p>Heavily mulch the exposed area to provide sufficient stabilization for the winter months. 11/27-12/4/07</p> <p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. 12/4/07</p>	<p>NA</p> <p>Needs temporary winter stabilization.</p> <p>Needs to be monitored closely.</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 additional sediment is encroaching. 12/4/07</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. 12/4/07</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. 11/13-12/4/07</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. 10/10-12/4/07</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</p>	<p>Monitor controls and continue stabilization efforts along the gully/washout. Even though it is not worsening, the gully</p>	<p>Needs evaluation/proactive attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Pond Hill Rd. to Docker Dr.</p> <p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>flowing down the slope (noted since 9/25) The gully does not appear to be worsening (since 11/13)</p> <p>Timber mats were removed from wetlands off Pond Hill and the exposed soil was mulched. 12/4/07</p> <p>Several wetland crossings are in place. 12/4/07</p> <p>Turbid water was observed flowing from a pad site onto the roadway and into a catch basin between 11/6-11/27. This eventually flows into wetlands off-site. 11/6-12/4/07</p>	<p>should still be repaired. 11/13-12/4/07</p> <p>Due to the time of year, additional controls may be needed for exposed soil until final stabilization can occur. See erosion control section. 12/4/07</p> <p>Monitor and maintain new controls. 12/4/07</p> <p>Additional controls are needed within the catch basins and along the disturbed slope. 11/6-12/4/07</p>	<p>A wetland crossing was restored.</p> <p>NA at this time.</p> <p>Needs attention</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 12/4/07</p> <p>Several frog and salamander egg masses were previously noted within wetlands, located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 12/4/07</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. These areas were not marked as potential habitat for Eastern box turtles according to the D&M</p>	<p>Continue to monitor area and retain distance from active work. 12/4/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. Property owner has mowed the area. 12/4/07</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. 12/4/07</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>12/4/07</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. 11/6-12/4/07</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- 12/4/07</p>	<p>Needs attention</p>
<p>Dewatering</p>	<p>Dewatering appears complete as the majority of foundations appear installed at this time, with the exception Old Farms Rd. 12/4/07</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. 12/4/07</p>	<p>NA at this time. Work should shift to restoration</p>
<p>Blasting</p>	<p>No blasting is proposed. 12/4/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>All Active Sites</p> <p>Pond Hill Road</p> <p>Old Farms Rd.</p>	<p>Spill control materials are being brought to sites when work is performed. Small drip stains have been noted in several work areas along the ROW. 12/4/07</p> <p>Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 12/4/07</p> <p>Sediment stockpile has been removed from this area and the site was graded, mulched, and seeded. 12/4/07</p> <p>A storage unit, generator, and stockpile were located upgradient from the wetlands near structure #4026. 12/4/07</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. 12/4/07</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. 12/4/07</p> <p>Monitor until the site is fully stabilized. Final restoration may need to return in the spring. 12/4/07</p> <p>Container was closed. If the unit contains spillable materials, it should be removed from the edge of the wetland. 12/4/07</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p> <p>Soil stockpile has been removed.</p> <p>Check contents of the container.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Additional Observations	None 12/4/07	None	

Next likely scheduled inspection: Tuesday December 11, 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



High Hill Rd: Small eroded channel and ATV tracks were noted along the vegetated slope.



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.



Harrison Ave: Soil stockpile has been removed. Provide temporary stabilization sufficient for winter months.



Pond Hill Rd.: The soil stockpile had been removed and hay mulch and seed had been applied on the exposed soil.



Pond Hill Rd: Stockpiles of timber mats and removed poles were noted. The timber mat access road through the wetlands had been removed/reclaimed. The area was mulched and will be permanently stabilized in the spring



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.



Mansion Rd: Line pulling crews were working in this area.



Old Farms Rd: Storage unit and generator were located upgradient from the wetland. A stockpile also remains here.