

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: November 13, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.37" of precipitation was recorded in the week prior to inspection with 0.25" of the total reported on 11/13 (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. 11/13/07	See Erosion Control Section for more details 11/13/07	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 again following a rain event. 11/6-11/13/07	Add controls as needed along the wetlands. See the erosion control section for more details. 11/13/07	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. 11/13/07	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. 11/13/07	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. 11/13/07	Continue to monitor and add controls as needed. 11/13/07	NA
Williams Rd. to East Center St.	Stone is in place for access at a previously	Stone should be removed and lawn area should be	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>mowed area off Williams Rd. 11/13/07</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. 11/13/07</p>	<p>restored upon completion of the project work. 11/13/07</p> <p>Continue to monitor entrances and sweep as needed. 11/13/07</p>	<p>NA</p>
<p>Pond Hill Rd. Docker Dr.</p>	<p>Timber mats remain in place at the wetland crossings off Pond Hill Rd. Turbid water was noted pooling against controls off Docker. Dr. 11/6-11/13/07</p>	<p>Continue to monitor entrances and sweep as needed. Add controls adjacent to the crossing and along slopes as necessary. 11/13/07</p>	<p>Needs additional attention.</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. 11/13/07</p>	<p>Monitor the area and add controls if needed. 11/13/07</p>	<p>NA at this time.</p>
<p>Old Farms Road</p>	<p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 11/13/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 11/13/07</p>	<p>NA</p>
	<p>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. 11/6-11/13/07</p>	<p>Additional controls are needed along the slope and access road in the ROW to contain sediment. Ensure proper controls are in the catch basin. 11/13/07</p>	<p>Needs attention.</p>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-11/13/07</p>	<p>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-11/13/07</p>	<p>Needs attention.</p>
	<p>The 2nd damaged driveway was repaired with asphalt. However, the damaged portion was</p>	<p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material).</p>	<p>Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	originally a brick paver and should be consistent 9/6-11/13/07	9/6-11/13/07	
Foundation and site construction Carpenter Lane, High Hill Rd., Rt 68 Durham Rd. Liney Hall Lane Williams Rd to East Center St. Tamarack Swamp Rd. Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd. S. Turnpike + Merritt Parkway Area Mansion Rd. Apple Orchard Old Farms Rd.	<p>No new work off Carpenter Ln since crews removed one pad site and added seed and hay. 11/13/07</p> <p>Foundation/pole work appears complete from Durham to Williams Rd. 11/13/07</p> <p>No new work since the foundation was installed within wetlands 11/13/07</p> <p>No new work since line installation was completed. 11/13/07</p> <p>No new activity since line work was underway, moving into the landfill. 11/13/07</p> <p>Pole installation is complete. 11/13/07</p> <p>Pole installation is complete within the Orchard. 11/13/07</p> <p>Line work was underway at the underground transition area. 11/13/07</p>	<p>See erosion control section and continue to restore the area. 11/13/07</p> <p>See erosion control section for more details. 11/13/07</p> <p>Monitor new controls and add more as needed. See erosion control section for more details. 11/13/07</p> <p>See EC section for more detail. 11/13/07</p> <p>Add/adjust controls as necessary. 11/13/07</p> <p>See erosion control section. 11/13/07</p> <p>See erosion control section 11/13/07</p> <p>Controls are needed at the transition area. See erosion control section. 11/13/07</p>	<p>See erosion control section.</p> <p>NA</p> <p>See erosion control section.</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>See erosion control section.</p>
Erosion and sediment controls Carpenter Ln. to Rt. 68	<p>Sediment accumulation was noted here at controls (since 6/19). During rain events, turbid water continues to be noted within wetlands. Haybales have deteriorated and can no longer filter sediment. 11/6-11/13/07</p>	<p>Remove any accumulated sediment and stabilize the area. 6/19-11/13/07 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-</p>	<p>Needs attention <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. Controls are needed around the pad. 11/6-11/13/07</p> <p>Controls remain intact along the access road and bridge south of Durham Rd. Exposed soils were graded and seeded in some areas. 11/13/07</p> <p>Timber mats and fiber rolls remain in place at the bridge across Muddy Brook 11/13/07</p>	<p>11/13/07</p> <p>Add controls adjacent to wetlands. Any areas where work will not return for 21 days need temporary stabilization. 11/6-11/13/07</p> <p>Monitor and add controls as needed adjacent to wetlands. 11/13/07</p> <p>Monitor and add controls along the road as needed. Stabilize the area impacted by timber mats. 11/13/07</p>	<p>Needs attention.</p> <p>NA</p> <p>Monitor closely and increase controls as needed.</p>
Liney Hall Ln.	<p>Concrete testing samples remain in the wetland. 10/15-11/13/07</p>	<p>Monitor the area for final stabilization. See spill section for more details on the concrete. 10/23-11/13/07</p>	<p>Needs additional attention.</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. 11/13/07</p>	<p>Attempt to add appropriate controls between the exposed soil and the undisturbed portion of wetlands even though landowner activities continue here 11/13/07</p>	<p>Most issues are related to the landowner but attempt to improve if feasible</p>
Tamarack Swamp Rd.	<p>A pad and foundation remain within wetlands with an adjacent area of standing water. Sediment from the 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 remains beyond the fence. 11/6-</p>	<p>Carefully pull back and remove remaining sediment from beyond the silt fence as soon as possible. 10/30-11/13/07</p>	<p>Additional attention is needed.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave. Harrison Rd.</p>	<p>11/13/07</p> <p>The previous stockpile area off Woodhouse Ave. remains mulched and seeded with controls in place. Some vehicle tracks were noted in the reclaimed areas. 11/13/07</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. 9/25-11/13/07</p> <p>The soil stockpile and controls remain off Harrison Rd. The planted shrubs along the stream channel are in good shape. 11/13/07</p>	<p>Monitor controls until area is stabilized. Avoid access once an area is temporarily or permanently stabilized. 11/13/07</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-11/13/07</p> <p>Maintain controls and monitor exposed soils. Temporarily stabilize areas if work activities will not return within 21 days. 11/13/07</p>	<p>NA at this time.</p> <p>Gully needs evaluation/attention.</p> <p>NA at this time</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</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. 11/6-11/13/07</p>	<p>Maintain controls. Additional mulch may be needed this time of year to encourage stabilization 11/6-11/13/07</p>	<p>Needs evaluation.</p>
<p>Mansion Rd. to Tuttle Ave.</p>	<p>The water bars installed along the access road appear to be sufficient as no issues were noted. 11/13/07</p>	<p>Monitor new controls for effectiveness and reinforce as necessary to protect wetlands. 11/13/07</p>	<p>NA at this time.</p>
<p>Old Farms Rd.</p>	<p>Turbid run-off was noted again this week, flowing from exposed soil near structure #24209 into catch basins in the roadway and eventually to off-site wetlands. 11/6-11/13/07</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. 11/6-11/13/07</p>	<p>Needs attention</p>

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<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 11/13/07</p>	<p>Approved work in wetlands will follow the permit guidelines. 11/13/07</p>	<p>NA</p>
<p>Carpenter Ln. to Rte 68</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. 11/13/07</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 as a result of run-off from surrounding disturbed areas. 11/6-11/13/07</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. 11/13/07</p> <p>Remove sediment from wetlands before removing controls. Monitor for run-off. 5/8-11/13/07</p> <p>Replace the deteriorating controls and reinforce controls between the exposed work areas and the wetlands. Remove accumulated sediment. 11/6-11/13/07</p> <p>Exposed areas need to be temporarily stabilized if work will not return in 21 days. 11/13/07</p>	<p>Needs to be monitored</p> <p>Needs attention</p>
<p>Durham Rd. Liney Hall Ln.</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. 11/13/07</p>	<p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. See spills section for information on concrete here 11/13/07</p>	<p>NA</p>
<p>Tamarac Swamp Road</p>	<p>Pad and adjacent controls remain within wetlands. New silt fence was in place around the exposed soil at the foundation. However, some of the sediment that was pushed over original controls into wetlands was not fully contained. 11/6-11/13/07</p>	<p>Continue to monitor controls and adjust as needed. Area is sensitive to erosion and should be monitored closely. Carefully remove any remaining sediment from the wetlands 11/6-11/13/07</p>	<p>Needs to be monitored closely and needs some additional attention.</p>
<p>Powers Rd. & Woodhouse Ave.</p>	<p>In the process of removing timber mats, sediment was pushed over some controls (8/28). Soils exposed by</p>	<p>Remove the stone from the wetlands to the extent feasible (recommended since 9/25) However, crews will be returning</p>	<p>Further attention is needed here during final stabilization.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave. Harrison Rd.</p> <p>Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area</p> <p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>(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. 11/13/07</p> <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. 11/13/07</p> <p>Clearing is complete in the Quinnipiac River floodplain and along the bank off Merritt Parkway. 11/13/07</p> <p>Several wetland crossings are in place. 11/13/07</p> <p>Turbid water was still observed flowing from a pad site onto the roadway and into a catch basin. This eventually flows into wetlands off-site. 11/6-11/13/07</p>	<p>crews will be returning here for line work, potentially disturbing the area again before final stabilization. 11/13/07</p> <p>Monitor controls and continue stabilization efforts along the gully/washout. Even though it is not worsening the gully should still be repaired. 11/13/07</p> <p>Continue to monitor. Vegetative cover appears to be sufficient on the riverbank 11/13/07</p> <p>Monitor and maintain new controls. 11/13/07</p> <p>Additional controls are needed within the catch basins and along the disturbed slope. 11/6-11/13/07</p>	<p>Needs evaluation/ proactive attention.</p> <p>NA</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>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 11/13/07</p> <p>Several frog and salamander egg masses were noted in the spring within prime amphibian breeding habitat, located off Liney Hall Ln.. This is not a state listed species issue but indicates good habitat. 11/13/07</p>	<p>Continue to monitor area and retain distance from active work. 11/13/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. Property owner has mowed the area. 11/13/07</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</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 plan, DEP response letter and NDDB website. 11/13/07</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. 11/13/07</p>	<p>NA at this time</p>
<p>Vegetative clearing or stabilization Major clearing activities are complete.</p> <p>Powers Rd.</p> <p>Woodhouse Ave and Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr.</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 11/13/07</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. 11/13/07</p> <p>A reclaimed wetland area has well-established grass cover. However, stone placed here was not removed completely prior to seeding. 11/13/07</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 11/13/07</p> <p>Some large areas of exposed soil areas off Docker Dr. have minor grass growth however; most of the previously applied seed/low</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. 11/13/07</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). 11/13/07</p> <p>This issue will have to be addressed when crews return to perform final work and restoration in the area. 11/13/07</p> <p>Continue to monitor and replace shrubs if needed. 11/13/07</p> <p>See erosion control section. Apply additional mulch with binders or erosion control mats as applicable to encourage</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> <p>Needs additional attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd. (115kV Underground trench-work)	<p>applied seed/hay appears to have washed away and turbid run-off was resulting 11/6-11/13/07</p> <p>Turbid water was 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. 11/6-11/13/07</p>	<p>stabilization at this time of year. 11/13/07</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. 11/13/07</p>	Needs additional attention.
Dewatering	<p>Dewatering had previously been required at the foundations installed south of Carpenter Ln. Some slurry did migrate to the line of controls at the wetland. 5/8-11/13/07</p> <p>Foundation installed in wetlands off Tamarack Swamp required dewatering via pump truck but active dewatering was no longer occurring. 11/13/07</p>	<p>See erosion control section. 5/8-11/13/07</p> <p>Some sediment did migrate over controls within the wetland. See erosion control and wetlands sections 10/30-11/13/07</p>	<p>Needs evaluation and attention.</p> <p>Needs to be monitored</p>
Blasting	No blasting is proposed. 11/13/07	None	NA
<p>Spills, soils and material storage</p> <p>All Active Sites</p> <p>Liney Hall Ln.</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. 11/13/07</p> <p>Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 11/13/07</p> <p>Two excess concrete piles/ washouts were located within the</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. 11/13/07</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. 11/13/07</p> <p>Remove concrete from the wetlands. Concrete should never be washed</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Pond Hill Road	<p>wetlands. One was present on the timber mats and the 2nd was adjacent to the new foundation. 10/15-11/13/07</p> <p>Sediment from several sites is being brought to an upland location east off Pond Hill and stockpiled. Fiber rolls have been overwhelmed by the sediment and vehicle traffic. (noted 11/6) Soils were being removed from this site during the inspection. 11/13/07</p>	<p>out in or within 100 feet of wetlands. This includes concrete testing 10/15-11/13/07</p> <p>Controls need to be reinforced if any amount of the stockpile is going to remain for an extended time. 11/13/07</p>	<p>Stockpile was actively being removed during the inspection.</p>
Additional Observations	None 11/13/07	None	

Next likely scheduled inspection:

Tuesday November 20, 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 Ln: Turbid water was observed within the wetlands during a rain event.



Carpenter Ln: Deteriorating controls and sediment accumulation was noted at the wetland outlet. This area still receives turbid run-off during rain events.



Tamarack Swamp Rd: The silt fence remains in place but the sediment that had been pushed beyond the original controls should be removed carefully.



Powers Rd: The disturbed areas that were recently seeded have well-established grass cover. However, stone was not fully removed before the area was seeded and contractors are supposed to provide final restoration at this site when construction is complete.



Harrison Rd: Controls at the eroded drainage ditch appear to be functioning well. However, continue to evaluate the gully and fully restore as feasible.



Pond Hill: Soil stockpiles from other sites are being stored here. Controls have been overwhelmed by sediment and vehicle traffic. Soil was being removed during the inspection.



Docker Dr: Turbid run-off was pooling against controls. Previously applied mulch and seed has largely washed away in this area.



Old Farms Rd: Turbid run-off was flowing from disturbed soils on the ROW and to a catch basin in the roadway. This catch basin drains to wetlands off-site.