

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 27, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.87" of precipitation was recorded in the week prior to inspection with 0.76" of the total reported on 11/26 (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. 11/27/07	See Erosion Control Section for more details 11/27/07	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 for several weeks, each following a rain event. 11/6-11/27/07	Add controls as needed along the wetlands. See the erosion control section for more details. 11/27/07	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. 11/27/07	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. 11/27/07	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. 11/27/07	Continue to monitor and add controls as needed. 11/27/07	NA
Williams Rd. to East	Stone is in place for	Stone should be removed	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Center St.	access at a previously mowed area off Williams Rd. 11/27/07	and lawn area should be restored upon completion of the project work. 11/27/07	
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. 11/27/07	Continue to monitor entrances and sweep as needed. 11/27/07	NA
Pond Hill Rd. Docker Dr.	Timber mats were being removed from wetland crossings off Pond Hill Rd. during the inspection. 11/27/07	Continue to restore area with sufficient stabilization for the winter months and reclaim roads and crossings when access is complete. 11/27/07	Mats were being removed.
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. 11/27/07	Monitor the area and add controls if needed. 11/27/07	NA at this time.
Old Farms Road	Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 11/27/07	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 11/27/07	NA
	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. 11/6-11/27/07	Additional controls are needed along the slope and access road in the ROW to contain sediment. Ensure proper controls are in the catch basin. 11/27/07	Needs attention.
Old Farms Rd. (115kV Underground trench-work)	Hydroseed remains along the exposed soils at the edge of the roadway. 11/27/07	Continue to monitor until stabilization is achieved. 11/27/07	NA
	The edge of one homeowner's driveway that was damaged during construction still needs	Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-	Needs attention.

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	<p>repair. 9/6-11/27/07</p> <p>The 2nd damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-11/27/07</p>	<p>11/27/07</p> <p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-11/27/07</p>	<p>Needs attention</p>
<p>Foundation and site construction</p> <p>Carpenter Lane, High Hill Rd., Rt 68</p> <p>Durham Rd. Liney Hall Lane Williams Rd to East Center St. Tamarack Swamp Rd.</p> <p>Stoney Brook Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Pent Rd. & Oliver Creek Rd.; S. Turnpike + Merritt Parkway Area;</p> <p>Mansion Rd. Apple Orchard</p>	<p>No new work off Carpenter Ln since crews removed one pad site and added seed and hay. 11/27/07</p> <p>Foundation/pole work appears complete from Durham to Williams Rd. Crews were installing grounding wires off Durham Rd. Crews had installed grounding wires off Liney Hall Ln. 11/27/07</p> <p>Crews were installing grounding wires. 11/27/07</p> <p>Crews were removing timber mats and reclaiming pad sites during the inspection. 11/27/07</p> <p>No new activity since line work was underway, moving into the landfill 11/27/07</p> <p>Crews were reclaiming pad sites within the Orchard during the inspection. 11/27/07</p>	<p>See erosion control section and continue to restore the area 11/27/07</p> <p>Monitor and maintain controls when working around wetlands. Stabilized disturbed areas within timeframes when work is complete. 11/27/07</p> <p>Stabilized disturbed areas within timeframes when work is complete. 11/27/07</p> <p>See EC section for more detail. Stabilized disturbed areas within timeframes when work is complete. 11/27/07</p> <p>Add/adjust controls as necessary. 11/27/07</p> <p>Monitor exposed areas and stabilize sufficiently for the D&M plans 11/27/07</p>	<p>See erosion control section</p> <p>NA at this time</p> <p>NA at this time</p> <p>Crews were reclaiming pad sites.</p> <p>NA.</p> <p>Crews were reclaiming pad sites.</p>
<p>Erosion and sediment controls 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 wetlands. Haybales have</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</p>	<p>Needs attention <i>Temporary stabilization requires more than silt fence/haybales in place</i></p>

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	<p>deteriorated and can no longer filter sediment. 11/6-11/27/07</p> <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. 11/6-11/27/07</p>	<p>roads. Any areas where work will not return for 21 days needs temp. stabilization. 11/6-11/27/07</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 is at 21 days. 11/20-11/27/07</p>	<p>Needs attention.</p>
<p>Durham Rd.</p>	<p>Controls remain intact along the access road and bridge south of Durham Rd. Exposed soils were graded and seeded in some areas 11/27/07</p>	<p>Monitor and add controls as needed adjacent to wetlands. 11/27/07</p>	<p>NA</p>
<p>Liney Hall Ln.</p>	<p>Timber mats and fiber rolls remain in place and a bridge is in place across Muddy Brook. 11/27/07</p>	<p>Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 11/27/07</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. 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. 11/27/07</p>	<p>Attempt to add appropriate controls between the exposed soil and the undisturbed portion of wetlands even though landowner activities continue here 11/27/07</p>	<p>Most issues are related to the landowner but attempt to improve if feasible</p>
<p>Tamarack Swamp Rd.</p>	<p>Some areas were exposed for grounding wire installation. 11/27/07</p> <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,</p>	<p>Stabilize sufficiently for winter months when work is complete. 11/27/07</p> <p>Carefully pull back and remove remaining sediment from beyond the silt fence as soon as possible. 10/30- 11/27/07</p>	<p>NA at this time.</p> <p>Additional attention is needed.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Powers Rd. & Woodhouse Ave.</p>	<p>some sediment remains beyond the fence. 11/6-11/27/07</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. 11/27/07</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. 9/25-11/27/07</p>	<p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27/07</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-11/27/07</p>	<p>Needs additional attention.</p> <p>Gully needs evaluation/attention.</p>
<p>Woodhouse Ave. Harrison Rd.</p>	<p>A portion of the soil stockpile off Harrison Rd. was removed. Controls are in place around the remainder. The planted shrubs along the stream channel are in good shape. 11/27/07</p>	<p>Maintain controls and monitor exposed soils. Temporarily stabilize areas if work activities will not return within 21 days. 11/27/07</p>	<p>NA at this time Some of the stockpile has been removed.</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>Timber mat and pad removal was underway within the wetlands south of Pond Hill. Some controls installed. 11/27/07</p>	<p>Add controls as needed along the edge of the wetlands until the area is restored. Provide stabilization sufficient for the winter months. 11/27/07</p>	<p>Reclamation of timber mats and pad sites continue.</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. 11/6-11/27/07</p>	<p>Maintain controls. Additional mulch is needed this time of year to encourage stabilization 11/6-11/27/07</p>	<p>Needs evaluation/attention.</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</p>	<p>Stabilize disturbed areas to the extent feasible. Add controls as needed to contain sediment and filter run-off. Monitor receiving catch basins</p>	<p>Needs attention</p>

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	to off-site wetlands. 11/6-11/27/07	controls. A culvert should be considered at driveway crossings to reduce run-off. 11/6-11/27/07	
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Carpenter Ln. to Rte 68</p> <p>Durham Rd. Liney Hall Ln.</p> <p>Tamarac Swamp Road</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 11/27/07</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. 11/27/07</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. 11/6-11/27/07</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. 11/27/07</p> <p>Grounding wire was installed at the foundation at wetlands off Liney Hall Ln. 11/27/07</p> <p>Pad and adjacent controls remain within wetlands. New silt fence was in place around the exposed soil at the foundation.</p>	<p>Approved work in wetlands will follow the permit guidelines. 11/27/07</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. 11/27/07</p> <p>Remove sediment from wetlands before removing controls. Monitor for run-off. 5/8-11/13/07 Replace the deteriorating controls and reinforce controls between the exposed work areas and the wetlands. Remove accumulated sediment. 11/6-11/13/07 Exposed areas need to be temporarily stabilized if work will not return in 21 days. 11/13-11/27/07</p> <p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. 11/27/07</p> <p>Heavily mulch the exposed area to provide sufficient stabilization for the winter months. 11/27/07</p> <p>Continue to monitor controls and adjust as needed. Area is sensitive to erosion and should be monitored closely.</p>	<p>NA</p> <p>Needs to be monitored</p> <p>Needs attention</p> <p>NA</p> <p>Needs temporary winter stabilization.</p> <p>Needs to be monitored closely and needs some additional attention.</p>

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Powers Rd. & Woodhouse Ave.	<p>However, some of the sediment that was pushed over original controls into wetlands was not fully contained. 11/6-11/27/07</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. 11/13-11/27/07</p>	<p>Carefully remove any remaining sediment from the wetlands 11/6-11/27/07</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. 10/10-11/27/07</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)</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- 11/27/07</p>	<p>Needs evaluation/proactive attention.</p>
Pond Hill Rd. to Docker	<p>Timber mats were being removed from the wetlands off Pond Hill. Additional controls may be needed. 11/27/07</p>	<p>Monitor and add controls as needed. Continue to restore sufficiently for winter months. See erosion controls section. 11/27/07</p>	<p>Timber mats were being removed from wetlands.</p>
Mansion Rd to Tuttle Ave. Old Farms Rd.	<p>Several wetland crossings are in place. 11/27/07</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. 11/6-11/27/07</p>	<p>Monitor and maintain new controls. 11/27/07</p> <p>Additional controls are needed within the catch basins and along the disturbed slope. 11/6-11/27/07</p>	<p>NA at this time.</p> <p>Needs attention.</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</p>	<p>Continue to monitor area and retain distance from active work. 11/27/07</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>construction fencing 11/27/07</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. 11/27/07</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 plan, DEP response letter and NDDDB website. 11/27/07</p>	<p>Prevent turbidity and direct impacts to these areas to the extent feasible. Property owner has mowed the area. 11/27/07</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. 11/27/07</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>Stony Brook Rd. Durham Rd.</p> <p>Powers Rd.</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 11/27/07</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. 11/27/07</p> <p>Minor disturbance to existing vegetation was noted as crews are setting grounding wires. 11/27/07</p> <p>A reclaimed wetland area</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. 11/27/07</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). 11/27/07</p> <p>Add controls as needed. Stabilize disturbed areas within timeline when work is complete. 11/27/07</p> <p>This issue will have to be</p>	<p>NA</p> <p>Needs attention within timelines provided</p> <p>NA at this time</p> <p>Needs to be addressed</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Woodhouse Ave and Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p> <p>Mansion Rd. to Tuttle Ave</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>has well-established grass cover. However, stone placed here was not removed completely prior to seeding 11/27/07</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 11/27/07</p> <p>Some large areas of exposed soil areas off Docker Dr. have minor grass growth however; most of the previously applied seed/hay appears to have washed away and turbid run-off was resulting. 11/6-11/27/07</p> <p>Crews were reclaiming portions of the pad sites within the orchard, during the inspection. 11/27/07</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. 11/6-11/27/07</p>	<p>addressed when crews return to perform final work and restoration in the area. 11/27/07</p> <p>Continue to monitor and replace shrubs if needed. 11/27/07</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. 11/20-11/27/07</p> <p>Continue to provide restoration efforts and provide stabilization sufficient for the winter months. 11/27/07</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. 11/13-11/27/07</p>	<p>at final stabilization.</p> <p>NA at this time.</p> <p>Needs additional attention</p> <p>Crews were reclaiming pads.</p> <p>Needs additional attention.</p>
<p>Dewatering</p>	<p>Some slurry resulting from past dewatering did migrate to the line of controls at the wetland off Carpenter Lane. 5/8-11/27/07</p> <p>Active dewatering was not observed along the project route. 11/27/07</p>	<p>See erosion control section. 5/8-11/27/07</p> <p>If dewatering is needed, provide adequate controls. 11/27/07</p>	<p>Needs evaluation and attention.</p> <p>NA at this time.</p>
<p>Blasting</p>	<p>No blasting is proposed. 11/27/07</p>	<p>None</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Spills, soils and material storage	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. 11/27/07	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. 11/27/07	Needs regular attention.
All Active Sites	Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 11/27/07	Always contain and control stockpiles as soon as possible. 11/27/07	Continue to monitor throughout construction.
Liney Hall Ln.	It was confirmed that the two excess concrete piles/washouts previously located within the wetlands have been removed (as of 11/20). 11/27/07	Concrete should never be washed out in or within 100 feet of wetlands. This includes concrete testing. 11/27/07	Concrete removal was confirmed.
Pond Hill Road	Sediment from several sites was 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 continue to be removed from this site and more soil from reclamation activities were exposed. 11/27/07	Controls need to be reinforced if any amount of the stockpile is going to remain for an extended time. The entire area will need sufficient stabilization for the winter when immediate work is complete. 11/27/07	Needs attention when current activities are complete.
Additional Observations	None 11/27/07	None	

Next likely scheduled inspection:

Tuesday December 4, 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: Disturbed soils remains upgradient from wetlands. Reinforced controls and winter stabilization are needed here.



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



Durham Rd: View of the wetland/stream crossing.



Liney Hall: Area around the foundation was disturbed from the installation of grounding wires. The concrete spoil has been removed from this area.



Stony Brook Rd: Installation of grounding wires.



Pond Hill: Soil stockpile remaining from final grading and pad/timber mat removal. Monitor controls and stabilize disturbed soils within appropriate timeframes.



Pond Hill: Timber mat removal was occurring within wetlands.



Old Farms Rd: Disturbed area upgradient from the roadway. Turbid run-off has been noted leaving this site and entering roadway catch basins.