

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: July 8, 2008

Inspector: Matthew Creighton

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

Rainfall: 1.07” of precipitation was recorded in the week prior to inspection with 0.43” falling on 7/5 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways Carpenter Ln. to Rte 68	South of Carpenter Ln, the large area upgradient remains graded, mulched, and seeded with some new grass growth. The new culverts remain within the permanent spur access road. 7/8/08	Continue to monitor the wetlands and maintain hydrology. See the erosion control section for more details. 7/8/08	NA (Not Applicable)
Durham Rd. Liney Hall Ln.	The access road leading to wetlands needs controls due to exposed soil. 6/10-7/8/08 Additional vegetation was beginning to establish which will help filter run-off. 7/8/08	Continue to monitor and add controls as needed. Add controls (e.g drainage ditch, haybales, etc) to the base of the access road adjacent to the wetlands until the area is stable. 6/10-7/8/08	Exposed access road soil needs some additional stabilization.
Williams to Tamarack Swamp Rds.	The small amount of stone remains in the wetlands off Liney Hall. 5/20-7/8/08	Continue to carefully remove the remaining stone, by hand, from the wetlands. 5/20-7/8/08	Minor attention still needed.
	Final restoration was complete from Williams to Tamarack Swamp Rds. Hay and seed were applied. Minor grass growth noted. 7/8/08	Continue to restore areas and maintain controls as needed. Monitor for stabilization. 7/8/08	Final stabilization complete.
Powers to Williams; S. Turnpike + Merritt Parkway; Mansion Rd.;	Final restoration is complete. Access roads and pads have been removed or reduced in	Continue to monitor these areas until vegetation has stabilized exposed soils. 7/8/08	NA

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Harrison Rd.	<p>size and exposed soils have been mulched and seeded. 7/8/08</p> <p>New topsoil, hay, seed, and landscape shrubs remain in place. An area of stone was installed on an existing lawn at the golf course entrance by request of the landowner. 7/8/08</p>	<p>Contractor states that the landowner has taken responsibility to topsoil and seed this area. 7/8/08</p>	<p>NA at this time.</p>
Pond Hill Rd. Docker Dr.	<p>ATV disturbance in areas between Pond Hill Rd and Docker Dr. remain controlled with heavy mulch. 7/8/08</p>	<p>Mulch has reduced the impacts from ATV's. See erosion control section for more details. 7/8/08</p>	<p>NA at this time.</p>
Pent Rd. to Mansion Rd	<p>Restoration complete. Hay and seed were spread on restored areas. 7/8/08</p>	<p>Monitor restored areas until stable. 7/8/08</p>	<p>NA</p>
Tuttle Ave.	<p>A culvert remains in place to help prevent ponding on the access road. Water bars remain in place across the access road to slow and filter stormwater. 7/8/08</p>	<p>Monitor the area and add controls if needed. See erosion controls section. 7/8/08</p>	<p>NA</p>
Old Farms Road	<p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-7/8/08</p> <p>Drainage swale/waterbar was installed at the low, saturated area along driveway (1/15). Turbid water was not noted leaving the driveway via this swale. 7/8/08</p> <p>Equipment has damaged the access driveway for overhead work. (Since 1/8) Stone remains at the access driveway over the pavement to reduce tracking and run-off.</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-7/8/08</p> <p>Additional controls are needed here for heavy rains, potentially haybale check dams along the swale when working. 7/8/08</p> <p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-7/8/08</p>	<p>NA at this time</p> <p>Needs attention when working in saturated conditions.</p> <p>Needs evaluation and attention upon project completion.</p>

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	<p>7/8/08</p> <p>The previously rutted areas along the shoulder of the roadway (as well as several pads and entrances) of Old Farms Rd remain graded, mulched, and seeded. 7/8/08</p>	<p>Monitor restored areas for stabilization. Clean/sweep Old Farms upon completion of daily activities. 7/8/08</p>	<p>NA</p>
<p>Foundation and site construction</p>	<p>All work except minor restoration is complete. 7/8/08</p>	<p>Continue to restore and monitor exposed areas. 7/8/08</p>	<p>NA</p>
<p>Erosion and sediment controls Carpenter Ln. to Rt. 68</p>	<p>Impacts were reduced to a spur road and are smaller than original permitted numbers. The permanent access road remains in the wetlands with three culverts installed to restore the original sheet flow conditions. A line of silt sock was maintained during restoration and has been split in areas to allow sheet flow. 7/8/08.</p>	<p>Ensure these controls are maintained until final stabilization is achieved. 7/8/08 Seed will be applied when standing water recedes. See Inland wetland section.</p>	<p>NA at this time.</p>
	<p>The previously disturbed area upgradient remains reclaimed, mulched, and seeded. 7/8/08</p>	<p>Monitor this area closely until stabilization is achieved. Add controls as needed. 7/8/08</p>	<p>NA</p>
<p>Durham Rd. Liney Hall Ln.</p>	<p>Restoration activities are complete off High Hill Rd. and hay/seed were spread on disturbed areas. 7/8/08</p>	<p>Continue to maintain controls until the site is fully stabilized. Add water bars if needed. 7/8/08</p>	<p>NA</p>
	<p>Restoration complete from Rte 68 to Stony Brook. Wetlands and adjacent areas remain mulched and seeded. 7/8/08</p>	<p>Carefully remove any remaining sediment from wetlands and stabilize exposed areas. See Access Road and Inland wetland sections for more information on this area. 7/8/08</p>	<p>NA</p>
	<p>The access road sloping towards the wetlands south of Durham Rd remains exposed.</p>	<p>Add mulch to the reclaimed access road. Install controls at the base of slope adjacent to</p>	<p>Exposed access road needs some minor attention.</p>

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Williams Rd to East Center St.	controls are needed. 6/10-7/8/08 Vegetation is increasing along the slope but could still use additional stabilization. 7/8/08	wetlands until the area is stable. 6/10-7/8/08	
Tamarack Swamp Rd.	Restoration complete off Stony Brook Rd. Mulch and seed remain. 7/8/08	Add controls as needed in this area. Monitor until stable. 7/8/08	NA at this time.
Powers Rd. Woodhouse Ave. Harrison Rd.	Access road (east) within the field has been narrowed and restored. 7/8/08	Monitor areas for final vegetative cover. (The landowner had resumed farming activities) 7/8/08	Restoration complete.
Pond Hill Rd. & Docker Dr. (191 - Rte. 5)	Reclamation activities (including stone removal) are complete at Powers and Harrison Rds. However, additional controls may be needed at Powers Rd until the adjacent areas are stable. 7/8/08	Continue to stabilize the area and maintain controls. Add controls as needed off Powers Rd. until vegetative cover establishes. 7/8/08	Final restoration complete. Additional controls needed off Powers Rd.
Blue Hills Orchard & Mansion Rd	A layer of heavy bark mulch has been applied along the slopes off Docker to stop the erosion/gully issues. The mulch is holding up well to ATV traffic. Adjacent areas are re-vegetating due to reduced ATV traffic. 7/8/08	Continue to maintain controls and monitor the effectiveness against the ATV traffic. ATV traffic will be difficult to control as they are accessing from abutting land and have always disturbed this area. 7/8/08	Heavy bark mulch is holding up and adjacent areas are re-vegetating.
Old Farms Rd.	Restoration complete through the orchard and Mansion. Hay and seed have been spread on exposed areas. 7/8/08	Monitor exposed area until stabilization is achieved. 7/8/08	Restoration complete.
	A drainage swale is in place (since 1/16) to prevent turbid run-off from the saturated driveway crossing however, run-off was noted during heavy rains when active. 7/8/08	Continue to stabilize disturbed areas to the extent feasible and ensure the area is contained by controls, including CB liners, as needed to filter run-off. Additional controls should be used in the drainage areas. 7/8/08	Continue to evaluate and stabilize. Area needs additional attention when active, in periods of heavy rain.

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	<p>Final restoration activities were complete on pads along the underground section of roadway. 7/8/08</p>	<p>Continue to restore and stabilize areas as needed. Roadway should be swept daily as needed. 7/8/08</p>	<p>NA</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Carpenter Ln. to Rte 68</p> <p>Durham Rd. Liney Hall Ln.</p>	<p>Work has occurred in jurisdictional wetlands under an ACOE permit</p> <p>In accordance with the D&M Plan, all work occurring in and around wetlands should be expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. This includes attending to restoration of adjacent upland areas when work is complete. 7/8/08</p> <p>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 7/8/08</p> <p>The timber mat and stone staging areas placed within wetlands off Carpenter Ln has been removed (except for the first crossing). The permanent access spur road remains with three culverts installed. Wetland and hydrology has been restored. The large disturbed area upgradient from wetlands also remains restored. 7/8/08</p> <p>The timber mats and bridges off Durham Rd. and Liney Hall have been removed and the area is at final grade.</p>	<p>Approved work in wetlands will follow the permit guidelines. 7/8/08</p> <p>Final stabilization and reclamation efforts should continue 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. 7/8/08</p> <p>This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 7/8/08</p> <p>Monitor the disturbed areas for stabilization. Add controls as needed until stable. Some exposed areas of soil immediately upgradient from wetlands should be mulched. Seed will be applied when standing water recedes. 7/8/08</p> <p>Stabilize soil and add new controls adjacent to wetland until vegetation establishes. See erosion controls section for more</p>	<p>NA</p> <p>Restoration almost complete.</p> <p>Needs to be monitored</p> <p>Continue to monitor and stabilize.</p> <p>Access road needs some minor attention/controls.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Powers Rd. & Woodhouse Ave.</p> <p>Mansion Rd to Tuttle Ave.</p>	<p>Soils should be stabilized and additional controls are needed along the slope adjacent to the wetlands south of Durham Rd. 6/10-7/8/08</p> <p>Minor amounts of stone remain in the Liney Hall Ln wetland and will need to be removed by hand. 5/20-7/8/08</p> <p>Stone removal from the wetlands was complete. Minor attention is needed to some exposed areas. 7/8/08</p> <p>Several wetland crossings are in place. Clear water was noted at all crossings and drainage ditches are working well. Reclamation complete within the orchard and off Mansion. 7/8/08</p>	<p>details. 6/10-7/8/08</p> <p>Remove remaining access road stone, by hand, from wetlands as needed. Monitor exposed soils and stabilize. 5/20-7/8/08</p> <p>Additional minor stabilization is needed along the slope of the drainage channel and some exposed soils. 7/8/08</p> <p>Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 7/8/08</p>	<p>Minor stone removal still needed.</p> <p>Minor attention needed on small patch of exposed soils.</p> <p>Restoration complete except for Tuttle.</p>
<p>State species of concern, threatened and endangered species. Durham Rd. Liney Hall Rd</p> <p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</p>	<p>Good amphibian breeding habitat has been noted in wetlands in the section of ROW. Crossings have been removed and the areas have been restored. 7/8/08</p> <p>Evidence of Eastern Box turtles has been confirmed off Woodhouse Ave on 5/8/07 and in the section between Mansion Rd. and Tuttle Ave on 7/17/07. 7/8/08</p>	<p>Replace timber mats if additional access is needed. Prevent turbidity and direct impacts to these areas to the extent feasible. 7/8/08</p> <p>Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season has ended as of April 1st and sweeps for turtles are required prior to accessing the site. 7/8/08</p>	<p>NA at this time.</p> <p>Eastern Box turtles active season has begun and sweeps are needed-even for restoration activities access.</p>
<p>Vegetative clearing or stabilization</p> <p>All work areas</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 7/8/08</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Have been cleared</p> <p>Restoration continues moving south</p> <p>Woodhouse Ave and Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Final restoration almost complete except for Tuttle and Old Farms. A few spots need additional measures or controls until vegetation establishes, (e.g slopes to wetlands on Durham, and off Powers Rd.) 7/8/08</p> <p>As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. The slopes here are well vegetated and shrubs are providing some shading. 7/8/08</p> <p>Contractors have spread heavy bark mulch over the exposed areas and rills/gullies for stabilization (since 4/29). Adjacent areas are re-vegetating. 7/8/08</p> <p>Access roads, pads, and areas along the shoulders of Old Farms Rd remain final graded and seeded. 7/8/08</p>	<p>plan. 7/8/08</p> <p>The D&M states that areas should be temporarily stabilized if work will not return in 21 days. Final restoration continues moving south. 7/8/08</p> <p>Continue to monitor and replace shrubs if needed. B&M intends to inspect the survival status of the shrubs in the near future. 7/8/08</p> <p>See erosion control section. Continue to monitor controls. 7/8/08</p> <p>Monitor the area until stabilized. See erosion controls section. 7/8/08</p>	<p>Final stabilization continues moving south. A few specific areas need some attention.</p> <p>Slopes are well vegetated.</p> <p>Adjacent areas are re-vegetating.</p> <p>NA</p>
Dewatering	It all foundations and dewatering is complete at this time. 7/8/08	Remove and stabilize old dewatering pits as necessary. 7/8/08	NA at this time. Work has shifted to restoration.
Blasting	No blasting is proposed. 7/8/08	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 7/8/08	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. 7/8/08	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Additional Observations	None 7/8/08	None	

Next likely scheduled inspection: Tuesday July 15, 2008

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: Soil stockpiles were removed and the disturbed area remain graded and seeded. Some grass growth was noted.



Carpenter Ln: Restoration work is complete within the wetlands. Minor seeding will be done when water subsides. Impacts were reduced from original permitted numbers and narrowed to a spur road.



Durham Rd (South): Exposed access road sloping toward the wetlands. Needs minor controls to prevent run-off from entering the wetlands. The noted increase in vegetation will help filter run-off.



Stony Brook: Final grading/restoration complete. Topsoil, hay and seed remain in place.



Tamarack Swamp Rd: Access road pads narrowed and graded.



Powers Rd: Final restoration complete. Some grass growth noted. Additional seed may be needed along the banks if vegetation remains sparse.



Harrison Rd: View of plantings around the structure located at the golf course entrance.



Docker Dr: Vegetation was establishing due to reduced ATV use. Bark mulch along the slope is holding up well.