

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 22, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.13” of precipitation was recorded in the week prior to inspection with 0.09” falling on 7/19 (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. A gate was installed to reduce ATV use. 7/22/08	Continue to monitor the wetlands and maintain hydrology. See the erosion control section for more details. 7/22/08	NA (Not Applicable) A new gate was installed.
Durham Rd. Liney Hall Ln.	The access road leading to wetlands needs minor controls due to exposed soil. 6/10-7/22/08 Additional vegetation was beginning to establish which will help filter runoff. 7/8-7/22/08	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. 6/10-7/22/08	Exposed access road soil needs stabilization and minor controls.
Williams to Tamarack Swamp Rds.	The small amount of stone (from 5/20) has been removed from the wetlands off Liney Hall. 7/22/08	Wetlands are stabilizing well with vegetative cover. 7/22/08	Stone was removed from wetlands.
	Final restoration was complete from Williams to Tamarack Rds. Grass growth was observed. 7/22/08	Continue to restore areas and maintain controls as needed. Monitor for stabilization. 7/22/08	NA
Powers to Williams; S. Turnpike + Merritt	Final restoration is complete. Access roads	Continue to monitor these areas until	NA

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Parkway; Mansion Rd.;	and pads have been removed or reduced in size and exposed soils remain mulched and seeded. 7/22/08	vegetation has stabilized exposed soils. 7/22/08	
Harrison Rd.	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. 7/22/08	Contractor states that the landowner has taken responsibility to topsoil and seed this area. 7/22/08	NA at this time.
Pond Hill Rd. Docke Dr.	ATV disturbance in areas between Pond Hill Rd and Docke Dr. remain controlled with heavy mulch. 7/22/08	Mulch has reduced the impacts from ATV's. See erosion control section for more details. 7/22/08	NA at this time.
Pent Rd. to Mansion	Restoration complete. Hay and seed remain on restored areas. 7/22/08	Monitor restored areas until stable. 7/22/08	NA
Tuttle Ave.	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. 7/22/08	The access road, pads and small stockpiles remain in place along this section. 7/22/08	Reclaim these areas when feasible.
Old Farms Road	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. 7/22/08	Additional controls are needed here for heavy rains, potentially haybale check dams along the swale when working. 7/22/08	Needs attention when working in saturated conditions.
	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. 7/22/08	Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-7/22/08	Needs evaluation and attention upon project completion.
	The recently restored areas along the shoulder of the roadway on Old	Monitor exposed areas for stabilization. Clean/sweep Old Farms Rd. as needed. 7/22/08	NA

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Tamarack Swamp Rd.	<p>along the slope but could still use additional stabilization. 7/22/08</p> <p>All work areas have been reduced in size and/or restored. 7/22/08</p>	<p>Monitor areas for final vegetative cover. 7/22/08</p>	<p>NA</p>
Powers Rd. Woodhouse Ave. Harrison Rd.	<p>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. 7/22/08</p>	<p>Continue to stabilize the area and maintain controls. Add controls as needed off Powers Rd. until vegetative cover establishes. 7/22/08</p>	<p>Additional seed may be needed off Powers Rd. during more favorable conditions.</p>
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	<p>A layer of heavy bark mulch remains along the slopes off Docker to stop the erosion/gullyng issues. Silt fence remains at the base of slope. Adjacent areas are re-vegetating due to reduced ATV traffic. 7/22/08</p>	<p>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. 7/22/08</p>	<p>Heavy bark mulch is holding up and adjacent areas are re-vegetating</p>
Blue Hills Orchard & Mansion Rd	<p>Restoration complete through the orchard and Mansion Rd. Hay and seed remain over exposed areas. 7/22/08</p>	<p>Monitor exposed area until stabilization is achieved. 7/22/08</p>	<p>NA at this time.</p>
Old Farms Rd.	<p>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. 7/22/08</p> <p>Pads and access roads from Tuttle to Cook Hill Jct; from Cook Hill Jct. to 2B needs final restoration. 7/22/08</p>	<p>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. 7/22/08</p> <p>Monitor for final stabilization and restore the remaining pads when feasible. 7/22/08</p>	<p>Continue to evaluate and stabilize.</p> <p>Area needs additional attention when active, in periods of heavy rain.</p> <p>NA at this time.</p>
Inland Wetland and Watercourse encroachment and	<p>Work has occurred in jurisdictional wetlands under an ACOE permit</p>	<p>Approved work in wetlands will follow the permit guidelines.</p>	<p>NA</p>

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<p>mitigation</p> <p>Carpenter Ln. to Rte 68</p> <p>Durham Rd. Liney Hall Ln.</p> <p>Powers Rd. & Woodhouse Ave.</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. Most areas are restored at this point. 7/22/08</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. 7/22/08</p> <p>The permanent access road remains with three culverts installed. The timber span bridge will also be retained. Wetland and hydrology has been restored. The large disturbed area upgradient from wetlands was also restored. 7/22/08</p> <p>Additional minor controls are needed along the slope adjacent to the wetlands south off Durham Rd. 6/10-7/22/08</p> <p>The minor amounts of stone (noted since 5/20) in the Liney Hall Ln wetland have been removed by hand and the area is stabilizing with wetland species. 7/22/08</p> <p>Stone removal from the wetlands was complete. Minor attention is needed</p>	<p>7/22/08</p> <p>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 7/22/08</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. 7/22/08</p> <p>Monitor the disturbed areas for stabilization. Add controls as needed until stable. Some exposed areas of soil immediately upgradient from wetlands may need more seed during favorable conditions. Seed will be applied when standing water recedes. 7/22/08</p> <p>Stabilize soil and add new controls adjacent to wetland until vegetation establishes. See erosion controls section for more details. 6/10-7/22/08</p> <p>Continue to monitor the wetland. The area is largely stable. 7/22/08</p> <p>Minor stabilization is needed along the slope of the drainage channel and</p>	<p>Restoration almost complete.</p> <p>Work is complete in this area. Monitor for stabilization.</p> <p>Gate at site entrance has been installed.</p> <p>Continue to monitor and stabilize.</p> <p>Access road needs some minor attention/controls.</p> <p>Minor stone removal is complete.</p> <p>When conditions are favorable, minor attention needed on</p>

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<p>Mansion Rd to Tuttle Ave.</p>	<p>to some sparsely vegetated areas. 7/22/08</p> <p>Several wetland crossings are in place. Drainage ditches are working well. Reclamation complete within the orchard and off Mansion Rd. 7/22/08</p>	<p>some exposed soils. 7/22/08</p> <p>Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 7/22/08</p>	<p>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 this section of ROW. Crossings have been removed and the areas have been restored. 7/22/08</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. 7/22/08</p>	<p>Replace timber mats if additional access is needed. Prevent turbidity and direct impacts to these areas to the extent feasible. 7/22/08</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. 7/22/08</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 All work areas</p> <p>Restoration continues moving south</p> <p>Woodhouse Ave and Harrison Rd.</p> <p>Pond Hill Rd. &</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 7/22/08</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.) 7/22/08</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. 7/22/08</p> <p>Heavy bark mulch</p>	<p>All work areas have been cleared. 7/22/08</p> <p>The D&M states that areas should be temporarily stabilized if work will not return in 21 days. Final restoration will continue based on weather. 7/22/08</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. 7/22/08</p> <p>See erosion control</p>	<p>NA</p> <p>Final stabilization will resume shortly. A few specific areas need some attention</p> <p>NA at this time.</p> <p>Adjacent areas are re-</p>

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Docker Dr. (I 91 – Rte. 5)	remains over the exposed areas and rills/gullies for stabilization (since 4/29). Adjacent areas are re-vegetating. 7/22/08	section. Continue to monitor controls. 7/22/08	vegetating
Old Farms Rd. (115kV Underground trench-work)	Access roads, pads, and areas along the shoulders of Old Farms Rd from Tuttle to Cook Hill Jct. remain final graded and seeded. 7/22/08	Monitor the area until stabilized. See erosion controls section. 7/22/08	NA
Dewatering	It all foundations and dewatering is complete at this time. 7/22/08	Remove and stabilize old dewatering pits as necessary. 7/22/08	NA at this time. Work has shifted to restoration.
Blasting	No blasting is proposed. 7/22/08	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 7/22/08	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. 7/22/08	Needs regular attention.
Additional Observations	None 7/22/08	None	

Next likely scheduled inspection:

Tuesday July 29, 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: The disturbed area remains graded and seeded but vegetative growth is still fairly sparse. Additional seed may be needed during more favorable conditions.



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 also help filter run-off.



Liney Hall Ln: Final stabilization within the wetland is almost complete. Remaining stone was removed by hand. No further action needed,



Stony Brook Rd: Old pad and access road may need additional seed during more favorable conditions as vegetation is sparse in this area.



Powers Rd: Final restoration complete. Some grass growth noted. Additional seed may be needed along the slopes during more favorable conditions.



Docker Dr: Area remains stabilized with heavy bark mulch and some adjacent vegetation.



Cook Hill Jct: Small core stockpile left at the edge of the ROW. Remove material during reclamation. This area will be one of the last restored.