

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 29, 2008

Inspector: Matthew Creighton

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

Rainfall: 2.13” of precipitation was recorded in the week prior to inspection with 1.00” falling on 7/24 (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. 7/29/08	Continue to monitor the wetlands and maintain hydrology. See the erosion control section for more details. 7/29/08	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. 6/10-7/29/08 Additional vegetation was beginning to establish which will help filter runoff. 7/8-7/29/08	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. 6/10-7/29/08	Exposed access road soil needs stabilization and minor controls.
Williams to Tamarack Swamp Rds.	Final restoration was complete from Williams to Tamarack Rds. Grass growth was observed. 7/29/08	Continue to restore areas and maintain controls as needed. Monitor for stabilization. 7/29/08	NA
Powers to Williams; S. Turnpike + Merritt Parkway; Mansion Rd.;	Final restoration is complete. Access roads and pads have been removed or reduced in size and exposed soils remain mulched and seeded. 7/29/08	Continue to monitor these areas until vegetation has stabilized exposed soils. 7/29/08	NA

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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. 7/29/08	Contractor states that the landowner has taken responsibility to topsoil and seed this area. 7/29/08	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. 7/29/08	Mulch has reduced the impacts from ATV's. See erosion control section for more details. 7/29/08	NA at this time.
Pent Rd. to Mansion	Restoration complete. Hay and seed remain on restored areas. 7/29/08	Monitor restored areas until stable. 7/29/08	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. 7/29/08	The access road, pads and small stockpiles remain in place along this section. 7/29/08	NA at this time
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. 7/29/08	Additional controls are needed here for heavy rains, potentially haybale check dams along the swale when working. 7/29/08	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. 7/29/08	Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-7/29/08	Needs evaluation and attention upon project completion.
	Vegetation is establishing along the recently restored areas along the shoulder of the roadway on Old Farms. 7/29/08	Monitor exposed areas for stabilization. Clean/sweep Old Farms Rd as needed 7/29/08	NA
Foundation and site construction	All work except minor restoration is complete. 7/29/08	Continue to restore and monitor exposed areas. 7/29/08	NA

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<p>Erosion and sediment controls Carpenter Ln. to Rt. 68</p>	<p>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. 7/29/08</p> <p>An ATV has left tracks through the wetland and controls. A new fence was installed to deter ATVs from the area. 7/29/08</p> <p>The previously disturbed area upgradient remains reclaimed and seeded. Vegetative cover is still fairly sparse. 7/29/08</p> <p>Restoration activities are complete off High Hill Rd. and hay/seed remains over disturbed areas. 7/29/08</p>	<p>Ensure these controls are maintained until final stabilization is achieved. 7/29/08 Seed will be applied when standing water recedes. See Inland wetland section. 7/29/08</p> <p>Monitor damage from ATVs. 7/29/08</p> <p>Monitor this area closely until stabilization is achieved. Add controls as needed. 7/29/08</p> <p>Continue to maintain controls until the site is fully stabilized. Add water bars if needed. 7/29/08</p>	<p>NA at this time.</p> <p>A gate was installed to deter ATVs.</p> <p>NA</p> <p>NA</p>
<p>Durham Rd. to Stony Brook</p>	<p>Restoration complete from Rte 68 to Stony Brook. Wetland crossings remain restored and adjacent areas remain mulched and seeded. 7/29/08</p> <p>The access road sloping towards the wetlands south of Durham Rd remains exposed. Minor controls are needed. 6/10-7/29/08 Vegetation is increasing along the slope but could still use additional stabilization. 7/29/08</p>	<p>See Access Road and Inland wetland sections for more information on this area. 7/29/08</p> <p>Add mulch to the reclaimed access road. Install controls at the base of slope adjacent to wetlands until the area is stable. 6/10-7/29/08</p>	<p>NA</p> <p>Exposed access road needs some minor attention.</p>
<p>Tamarack Swamp Rd.</p>	<p>Controls (filter socks and silt fence) remain at the structure immediately adjacent to the wetland. Vegetation has</p>	<p>Monitor areas for final vegetative cover. Remove controls if feasible. 7/29/08</p>	<p>NA.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Powers Rd. Woodhouse Ave. Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Blue Hills Orchard & Mansion Rd</p> <p>Old Farms Rd.</p>	<p>established in the area. 7/29/08</p> <p>Reclamation activities (including stone removal) are complete at Powers and Harrison Rds. Vegetative cover appears to be increasing along the channel at Powers Rd. 7/29/08</p> <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. 7/29/08</p> <p>Restoration complete through the orchard and Mansion Rd. Hay and seed remain over exposed areas. 7/29/08</p> <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. 7/29/08</p> <p>Pads and access roads from Tuttle to Cook Hill Jct; from Cook Hill Jct. to 2B needs final restoration 7/12/08</p>	<p>Continue to stabilize the area and maintain controls. Add controls as needed off Powers Rd. until vegetative cover establishes. 7/29/08</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. 7/29/08</p> <p>Monitor exposed area until stabilization is achieved. 7/29/08</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. 7/29/08</p> <p>Monitor for final stabilization and restore the remaining pads when feasible. 7/12/08</p>	<p>Sparsely vegetated areas off Powers Rd are starting to fill in.</p> <p>Heavy bark mulch is holding up to ATV traffic.</p> <p>Areas are almost stable.</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>
<p>Inland Wetland and Watercourse encroachment and mitigation</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</p>	<p>Approved work in wetlands will follow the permit guidelines. 7/29/08</p> <p>Any additional work needed in and around wetlands should be expedited to allow for</p>	<p>NA</p> <p>Restoration almost complete.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Carpenter Ln. to Rte 68	<p>expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. Most areas are restored at this point. 7/29/08</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. 7/29/08</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. 7/29/08</p>	<p>final stabilization procedures to commence. 7/29/08</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. 7/29/08</p> <p>Monitor the disturbed areas for stabilization. Some exposed areas of soil immediately upgradient from wetlands may need more seed during favorable conditions. 7/29/08</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>
Durham Rd. Liney Hall Ln.	<p>Additional minor controls are needed along the slope adjacent to the wetlands south off Durham Rd. 6/10-7/29/08</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. 7/29/08</p>	<p>Stabilize soil and add new controls adjacent to wetland until vegetation establishes. See erosion controls section for more details. 6/10-7/29/08</p> <p>Continue to monitor the wetland. The area is largely stable. 7/29/08</p>	<p>Access road needs some minor attention/controls.</p> <p>Minor stone removal complete.</p>
Powers Rd. & Woodhouse Ave.	<p>Stone removal from the wetlands was complete. Minor attention is needed to some sparsely vegetated areas. 7/29/08</p>	<p>Minor stabilization is needed along the slope of the drainage channel and some exposed soils. 7/29/08</p>	<p>When conditions are favorable, minor attention needed on small patch of exposed soils.</p>
Mansion Rd to Tuttle Ave.	<p>Several wetland crossings are in place. Drainage ditches are working well. Reclamation complete within the orchard and</p>	<p>Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 7/29/08</p>	<p>Restoration complete except for Tuttle.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	off Mansion Rd. 7/29/08		
<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. 7/29/08</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. 7/29/08</p>	<p>Replace timber mats if additional access is needed. Prevent turbidity and direct impacts to these areas to the extent feasible. 7/29/08</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. 7/29/08</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. & Docker Dr. (I 91 – Rte. 5)</p> <p>Old Farms Rd. (115kV Underground trench-</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 7/29/08</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.) 7/29/08</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. 7/29/08</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 7/29/08</p> <p>Access roads, pads, and areas along the shoulders of Old Farms Rd from</p>	<p>All work areas have been cleared. 7/29/08</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. 7/29/08</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. 7/29/08</p> <p>See erosion control section. Continue to monitor controls. 7/29/08</p> <p>Monitor the area until stabilized. See erosion controls section. 7/29/08</p>	<p>NA</p> <p>Final stabilization will resume during appropriate conditions. A few specific areas need some attention</p> <p>NA at this time.</p> <p>Adjacent areas are re-vegetating.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
work)	of Old Farms Rd from Tuttle to Cook Hill Jct. remain final graded and seeded. Pads within the ROW remain in place. 7/29/08	controls section. 7/29/08	
Dewatering	All foundations and dewatering is complete at this time. 7/29/08	Remove and stabilize old dewatering pits as necessary. 7/29/08	NA at this time. Work has shifted to restoration.
Blasting	No blasting is proposed. 7/29/08	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 7/29/08	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. 7/29/08	Needs regular attention.
Additional Observations	None 7/29/08	None	

Next likely scheduled inspection:

Tuesday August 5, 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. Impacts were reduced from original permitted numbers and narrowed to a spur road. The span timber bridge will remain.



High Hill Rd: Previously stabilized slope is being disturbed by ATVs.



Durham Rd: Small roadbase stockpile was left by roadwork crews; the stockpile is not associated with the M/N project.



Tamarack Swamp: Vegetation has grown in around the pole within the wetlands on the west side of the roadway.



Powers Rd: Final restoration complete. Additional grass growth noted along the channel banks.



Harrison Rd: The riprap stormwater collection and dispersal area is working well. No further erosion was noted on the slope.



Cook Hill Jct: Some sediment has started to wash over the filter sock sock upgradient from the wetlands. Sediment removal is needed.