

**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:** August 19, 2008

**Inspector:** Matthew Creighton

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

**Rainfall:** 0.79” of precipitation was recorded in the week prior to inspection with 0.71” falling on 8/14 (NOAA data at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways Carpenter Ln. to Rte 68</b>	<b>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 remains in place to reduce ATV use. 8/19/08</b>	<b>Continue to monitor the wetlands and maintain hydrology. See the erosion control section for more details. 8/19/08</b>	<b>NA (Not Applicable)</b>
<b>Durham Rd. Liney Hall Ln.</b>	<b>ATV traffic has rutted and disturbed several sections of slope off High Hill Rd. before vegetation could establish. 8/19/08</b>	<b>Haybales and/or controls are needed to prevent further ruts and the area should be stabilized if feasible.8/19/08</b>	<b>Ruts need attention.</b>
<b>Durham Rd. Liney Hall Ln.</b>	<b>A ditch/waterbar was installed (8/12) to divert run-off across the exposed access road, away from the wetlands downgradient. 8/19/08</b>	<b>Continue to monitor the access road upgradient from wetlands until stable. 8/19/08</b>	<b>A ditch/waterbar has been installed.</b>
<b>Williams to Tamarack Swamp</b>	<b>Good vegetative cover was observed and most areas are stable. 8/19/08</b>	<b>Areas are largely vegetated. 8/19/08</b>	<b>NA</b>
<b>Powers to Williams; S. Turnpike + Merritt Parkway; Mansion Rd.;</b>	<b>Final restoration is complete. Access roads and pads have been removed or reduced in size and exposed soils are stable. 8/19/08</b>	<b>Exposed areas are stable. with over 70% cover. 8/19/08</b>	<b>NA</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Harrison Rd.	Topsoil, hay, seed, and landscape shrubs remain in place. An area of stone remains on an existing lawn at the golf course entrance by request of the landowner. 8/19/08	Contractor states that the landowner has taken responsibility to topsoil and seed this area. 8/19/08	NA at this time
Pond Hill Rd. Dockers Dr.	ATV disturbance in areas between Pond Hill Rd and Dockers Dr. remain controlled with heavy mulch. 8/19/08	Mulch has reduced the impacts from ATV's. See erosion control section for more details. 8/19/08	NA at this time.
Tuttle Ave.	A culvert remains in place to help prevent ponding on the access road. The access road, pads and small stockpiles remain in place along this section. 8/19/08	Monitor the area and add controls if needed. See erosion controls section. BSC was informed the pads and road materials will remain per the landowner's request. 8/19/08	Evaluate whether any additional reclamation should occur.
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. 8/19/08	Additional controls are needed here for heavy rains, potentially haybale check dams along the swale when working. 8/19/08	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. 8/19/08	Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-8/19/08	Needs evaluation and attention upon project completion.
	The shoulder of the roadway on Old Farms is stable with over 70% vegetative cover. 8/19/08	Areas are stable. 8/19/08	Areas are stable.
Foundation and site construction	All work except minor restoration is complete. 8/19/08	Continue to restore and monitor exposed areas. 8/19/08	NA
Erosion and sediment controls Carpenter Ln. to Rt. 68	The permanent access road remains in the wetlands with three culverts installed to	Ensure these controls are maintained until final stabilization is achieved.	Wetlands are stable.

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<p><b>Durham Rd. to Stony Brook</b></p>	<p>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. 8/19/08</p>	<p>Areas have re-vegetated well with native wetland species. 8/19/08</p>	
	<p>ATV tracks were previously noted through the wetland and controls. A new fence remains in place to deter ATVs from the area. 8/19/08</p>	<p>Monitor damage from ATVs. 8/19/08</p>	<p>NA at this time</p>
	<p>The previously disturbed area upgradient has been reclaimed and seeded. Vegetative cover is still fairly sparse. 8/19/08</p>	<p>Monitor this area closely until stabilization is achieved. Add more seed as needed. 8/19/08</p>	<p>NA at this time</p>
	<p>Hay/seed remains over disturbed areas off High Hill Rd. ATV's continue to track and disturb the ROW. A small gully was also noted along the access road slope. Haybales were installed at the base of slope. 8/19/08</p>	<p>Continue to maintain controls until the site is fully stabilized. Re-seed as necessary. 8/19/08</p>	<p>Haybales were installed at the base of slope to proactively filter run-off.</p>
	<p>Wetland crossings remain restored. The banks of the river were fully vegetated and stable. Some ATV tracking was noted despite the gate. 8/19/08</p>	<p>See Access Road and Inland wetland sections for more information on this area. 8/19/08</p>	<p>NA at this time.</p>
<p><b>Tamarack Swamp Rd.</b></p>	<p>Vegetation is increasing along the exposed slope of the access road towards the wetlands south of Durham Rd, but the area could still use additional stabilization. A ditch/waterbar was installed (8/12) to redirect stormwater into stable vegetated areas above the wetland. 8/19/08</p>	<p>Monitor the new controls and stabilize the access road as needed. 8/19/08</p>	<p>Ditch/waterbar remains in place.</p>
	<p>Controls (filter socks and silt fence) remain at the</p>	<p>The remaining filter socks will be pulled closer to</p>	<p>Controls will be adjusted/removed when</p>

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<p>Powers Rd. Woodhouse Ave. Harrison Rd.</p>	<p>structure immediately adjacent to the wetland. Vegetation has established in the area. 8/19/08</p> <p>Reclamation activities (including stone removal) are complete at Powers and Harrison Rds. Vegetative cover continues to increase along the channel at Powers Rd. 8/19/08</p>	<p>the structure and the outer silt fence can be removed in the near future. 8/19/08</p> <p>Continue to stabilize the area and maintain controls or reseed during more favorable conditions if necessary. 8/19/08</p>	<p>feasible.</p> <p>Sparsely vegetated areas off Powers Rd continue to fill in.</p>
<p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5)</p>	<p>A layer of heavy bark mulch remains along the slopes off Docker to stop the erosion/gullyng issues. Silt fence and silt sock remain at the base of slope. Adjacent areas are re-vegetating. 8/19/08</p>	<p>Areas adjacent to the controls are well vegetated but the bark mulch remains on the slopes upgradient. 8/19/08</p>	<p>Heavy bark mulch is holding up to ATV traffic.</p>
<p>Blue Hills Orchard &amp; Mansion Rd</p>	<p>Restoration complete through the orchard and Mansion Rd. Areas are stable with 70% cover. 8/19/08</p>	<p>Stabilization has been achieved. 8/19/08</p>	<p>Areas are stable.</p>
<p>Old Farms Rd.</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 only noted during heavy rains when active. 8/19/08</p> <p>Pads and access roads from Tuttle to Mansion; from Cook Hill Jct. to 2B needs final restoration BSC was informed Cook Hill will be one of the last areas reclaimed following 2B. 8/19/08</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. 8/19/08</p> <p>Monitor for final stabilization and restore the remaining pads when feasible. 8/19/08</p>	<p>Continue to evaluate and stabilize.</p> <p>Area needs additional attention when active, in periods of heavy rain.</p> <p>Evaluate if additional restoration can occur.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Work has occurred in jurisdictional wetlands under an ACOE permit</p>	<p>Approved work in wetlands will follow the permit guidelines. 8/19/08</p>	<p>NA</p>

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<p><b>Carpenter Ln. to Rte 68</b></p> <p><b>Powers Rd. &amp; Woodhouse Ave.</b></p> <p><b>Mansion Rd to Tuttle Ave.</b></p>	<p><b>In accordance with the D&amp;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. 8/19/08</b></p> <p><b>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 8/19/08</b></p> <p><b>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. 8/19/08</b></p> <p><b>Stone removal from the wetlands was complete. Previously exposed soils are filling in with vegetation. 8/19/08</b></p> <p><b>Several wetland crossings remain in place. Drainage ditches are working well. Reclamation complete within the orchard and off Mansion Rd 8/19/08</b></p>	<p><b>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 8/19/08</b></p> <p><b>This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 8/19/08</b></p> <p><b>The wetlands are stable with good cover consisting of native wetland species. Some exposed areas of soil immediately upgradient from wetlands may need more seed during favorable conditions. 8/19/08</b></p> <p><b>Monitor until stabilized. 8/19/08</b></p> <p><b>Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 8/19/08</b></p>	<p><b>Restoration almost complete.</b></p> <p><b>Work is complete in this area. Monitor for stabilization.</b></p> <p><b>Wetland are stable</b></p> <p><b>Continue to monitor upgradient.</b></p> <p><b>Vegetation is filling in over exposed soils.</b></p> <p><b>Restoration complete except for Tuttle.</b></p>
<p><b>State species of concern, threatened and endangered species.</b></p> <p><b>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</b></p>	<p><b>An Eastern Box turtles was observed off Woodhouse Ave on 5/8/07 and in the section between Mansion Rd. and Tuttle Ave on 7/17/07. 8/19/08</b></p>	<p><b>Both areas should receive the same attention as known protected habitat area along the ROW. Sweeps for turtles are required prior to accessing the site. 8/19/08</b></p>	<p><b>Sweeps are needed in this area during access for restoration activities.</b></p>

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<p><b>Vegetative clearing or stabilization</b> All work areas</p> <p><b>Restoration activities</b></p> <p><b>Woodhouse Ave and Harrison Rd.</b></p> <p><b>Old Farms Rd. (115kV Underground trench-work)</b></p>	<p><b>Vegetation was preserved in areas where invasive species were not dominant. 8/19/08</b></p> <p><b>Final restorations almost complete except for Tuttle and a section of Old Farms. BSC was informed the landowner along Tuttle requested that pad and road material remain. 8/19/08</b></p> <p><b>A few spots need additional measures or controls until vegetation establishes, (e.g slopes to wetlands on Durham, at Structure #24281 and the Stony Brook Rd. entrance. 8/19/08</b></p> <p><b>As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. 8/19/08</b></p> <p><b>Areas along the shoulders of Old Farms Rd from Tuttle to Cook Hill are stable. 8/19/08</b></p>	<p><b>All work areas have been cleared. 8/19/08</b></p> <p><b>BSC was informed Old Farms/Cook Hill will be one of the last areas stabilized following 2B. Evaluate whether any additional reclamation can occur. 8/19/08</b></p> <p><b>Continue to monitor the few sparse areas and reseed as needed. Also continue to evaluate whether the overall area is at 70% cover. 8/19/08</b></p> <p><b>Continue to monitor and replace shrubs if needed. B&amp;M intends to inspect the survival status of the shrubs in the near future. 8/19/08</b></p> <p><b>None at this time. 8/19/08</b></p>	<p><b>NA</b></p> <p><b>A few specific areas need some attention</b></p> <p><b>A few specific areas need some attention Continue to evaluate.</b></p> <p><b>NA at this time.</b></p> <p><b>Area is stable</b></p>
<b>Dewatering</b>	<b>All foundations and dewatering is complete at this time. 8/19/08</b>	<b>Remove and stabilize old dewatering pits as necessary. 8/19/08</b>	<b>NA at this time. Work has shifted to restoration.</b>
<b>Blasting</b>	<b>No blasting is proposed. 8/19/08</b>	<b>None</b>	<b>NA</b>
<b>Spills, soils and material storage</b>	<p><b>Spill control materials are being brought to sites when work is performed. 8/19/08</b></p> <p><b>Small remaining</b></p>	<p><b>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. 8/19/08</b></p> <p><b>BSC was informed that</b></p>	<p><b>Needs regular attention.</b></p> <p><b>NA at this time</b></p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>stockpiles of soil/stone are associated with most pads along the ROW section off Tuttle Ave. 8/19/08</b>	<b>the landowner requested that materials remain. Evaluate whether additional reclamation can occur. 8/19/08</b>	
<b>Additional Observations</b>	<b>None 8/19/08</b>	<b>None</b>	

**Next likely scheduled inspection:** Monday August 25, 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. Areas were stabilizing with vegetative cover consisting mainly of native wetland species.



**High Hill Rd:** New haybales were installed to filter stormwater run-off from the access road.



**Durham Rd (North):** Small sparsely vegetated areas located at the last structure. It will be evaluated if there is 70% cover overall.





**Stony Brook Rd: Sparse area of vegetation located at the site entrance.**



**Woodhouse Rd: Sparse vegetative cover noted near the site entrance. It will be evaluated if there is 70% cover overall.**



**Tuttle Ave: One of several small stockpiles left behind at a pad. Stockpiles are relatively vegetated and stable. BSC was informed that the landowner requested that the material remain in place.**



**Tuttle Ave: Vegetation has stabilized the wetland adjacent to the crossing.**