

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 5, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.68" of precipitation was recorded in the week prior to inspection with 0.53" falling on 8/2 (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 remains in place to reduce ATV use. 8/5/08	Continue to monitor the wetlands and maintain hydrology. See the erosion control section for more details. 8/5/08	NA (Not Applicable)
Durham Rd. Liney Hall Ln.	The access road leading to wetlands needs minor controls due to exposed soil. 6/10-8/5/08 Additional vegetation was beginning to establish which will help filter runoff (since 7/8). Some ATV tracking was also noted despite the gate. 8/5/08	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. 6/10-8/5/08	Exposed access road needs stabilization and minor controls.
Williams to Tamarac Swamp Rds.	Final restoration was complete from Williams to Tamarack Rds. Good vegetative cover was observed. 8/5/08	Continue to monitor for stabilization. 8/5/08	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. 8/5/08	Continue to monitor these areas until vegetation has stabilized exposed soils. 8/5/08	NA

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Harrison Rd.	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. 8/5/08	Contractor states that the landowner has taken responsibility to topsoil and seed this area. 8/5/08	NA at this time
Pond Hill Rd. Docker Dr.	ATV disturbance in areas between Pond Hill Rd and Docker Dr. remain controlled with heavy mulch. 8/5/08	Mulch has reduced the impacts from ATV's. See erosion control section for more details. 8/5/08	NA at this time.
Pent Rd. to Mansion	Restoration complete. Hay and seed remain on restored areas. 8/5/08	Monitor restored areas until stable. 8/5/08	NA
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. 8/5/08	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. 8/5/08	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. 8/5/08	Additional controls are needed here for heavy rains, potentially haybale check dams along the swale when working. 8/5/08	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. 8/5/08	Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-8/5/08	Needs evaluation and attention upon project completion.
	Vegetation is establishing along the recently restored areas along the shoulder of the roadway on Old Farms. 8/5/08	Monitor exposed areas for stabilization. Clean/sweep Old Farms as needed. 8/5/08	NA

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Foundation and site construction	All work except minor restoration is complete. 8/5/08	Continue to restore and monitor exposed areas. 8/5/08	NA
Erosion and sediment controls Carpenter Ln. to Rt. 68	<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. 8/5/08</p> <p>An ATV has left tracks through the wetland and controls. A new fence remains in place to deter ATVs from the area. 8/5/08</p> <p>The previously disturbed area upgradient has been reclaimed and seeded. Vegetative cover is still fairly sparse. 8/5/08</p> <p>Hay/seed remains over disturbed areas off High Hill Rd. Some ATV tracks were noted. A small gully was also noted along the access road slope. 8/5/08</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. 8/5/08</p> <p>Monitor damage from ATVs. 8/5/08</p> <p>Monitor this area closely until stabilization is achieved. Add controls as needed. 8/5/08</p> <p>Continue to monitor and add water bars. Sediment is not reaching resource areas but haybales could be installed proactively. 8/5/08</p>	<p>NA at this time.</p> <p>A gate is in place to deter ATVs.</p> <p>NA</p> <p>Continue to monitor.</p>
Durham Rd. to Stony Brook	<p>Wetland crossings remain restored. The banks of the river were fully vegetated and stable. Some ATV tracking was noted despite the gate. 8/5/08</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. 8/5/08</p>	<p>See Access Road and Inland wetland sections for more information on this area. 8/5/08</p> <p>Add mulch to the reclaimed access road. Install controls at the base of slope adjacent to wetlands until the area is stable. 6/10-8/5/08 A water bar was suggested. 8/5/08</p>	<p>NA</p> <p>Exposed access road needs some minor attention.</p>
Tamarac Swamp Rd.	Controls (filter socks and silt fence) remain at the	The remaining filter socks will be pulled closer to	Controls will be adjusted/removed when

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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. 8/5/08</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. 8/5/08</p>	<p>the structure and the outer silt fence can be removed in the near future. 8/5/08</p> <p>Continue to stabilize the area and maintain controls. Add controls as needed off Powers Rd. until vegetative cover establishes or seed during more favorable conditions. 8/5/08</p>	<p>feasible.</p> <p>Sparsely vegetated areas off Powers Rd are starting to fill in.</p>
<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>A layer of heavy bark mulch remains along the slopes off Docker to stop the erosion/gulying issues. Silt fence and silt sock remain at the base of slope. Adjacent areas are re-vegetating due to reduced ATV traffic. 8/5/08</p>	<p>Areas adjacent to the controls are well vegetated but the bark mulch remains on the slopes upgradient. 8/5/08</p>	<p>Heavy bark mulch is holding up to ATV traffic.</p>
<p>Blue Hills Orchard & Mansion Rd</p>	<p>Restoration complete through the orchard and Mansion Rd. Areas are re-vegetating. 8/5/08</p>	<p>Monitor area until stabilization is achieved. 8/5/08</p>	<p>Areas are almost 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 noted during heavy rains when active. 8/5/08</p> <p>Pads and access roads from Tuttle to Cook Hill Jct; from Cook Hill Jct. to 2B needs final restoration BSC was informed Cook Hill will be one of the last areas reclaimed following 2B. 8/5/08</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. 8/5/08</p> <p>Monitor for final stabilization and restore the remaining pads when feasible. 8/5/08</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</p>	<p>Work has occurred in jurisdictional wetlands under an ACOE permit</p>	<p>Approved work in wetlands will follow the permit guidelines. 8/5/08</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>Mansion Rd to Tuttle 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. 8/5/08</p>	<p>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 8/5/08</p>	<p>Restoration almost complete.</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. 8/5/08</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. 8/5/08</p>	<p>Work is complete in this area. Monitor for stabilization.</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. 8/5/08</p>	<p>Monitor the disturbed areas for stabilization. Some exposed areas of soil immediately upgradient from wetlands may need more seed during favorable conditions. 8/5/08</p>	<p>Continue to monitor and stabilize.</p>
	<p>Additional minor controls are needed along the slope adjacent to the wetlands south off Durham Rd. 6/10-8/5/08</p>	<p>Stabilize soil and add new controls adjacent to wetland until vegetation establishes. See erosion controls section for more details. 6/10-8/5/08</p>	<p>Access road needs some minor attention/controls.</p>
	<p>The Liney Hall Ln wetland area is stabilizing with wetland species. 8/5/08</p>	<p>Continue to monitor the wetland. The area is largely stable. 8/5/08</p>	<p>Minor stone removal complete.</p>
<p>Stone removal from the wetlands was complete. Minor attention is needed to some sparsely vegetated areas. 8/5/08</p>	<p>Minor stabilization is needed along the slope of the drainage channel and some exposed soils. 8/5/08</p>	<p>When conditions are favorable, minor attention needed on small patch of exposed soils.</p>	
<p>Several wetland crossings are in place. Drainage ditches are working well.</p>	<p>Monitor and maintain controls. Crossings will need to be restored when</p>	<p>Restoration complete except for Tuttle.</p>	

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	<p>Reclamation complete within the orchard and off Mansion Rd. 8/5/08</p>	<p>access needs are complete. 8/5/08</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. 8/5/08</p> <p>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. 8/5/08</p>	<p>Replace timber mats if additional access is needed. Prevent turbidity and direct impacts to these areas to the extent feasible. 8/5/08</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. 8/5/08</p>	<p>NA at this time.</p> <p>Sweeps are needed in this area during access for restoration activities.</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>Vegetation was preserved in areas where invasive species were not dominant. 8/5/08</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 Stony Brook Rd.) 8/5/08</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. 8/5/08</p> <p>Contractors have spread heavy bark mulch over the exposed areas and rills/gullies for stabilization (since 4/29). Adjacent areas are re-</p>	<p>All work areas have been cleared. 8/5/08</p> <p>BSC was informed Old Farms/Cook Hill will be one of the last areas stabilized following 2B. The landowner along Tuttle requested that pad and road material remain. Evaluate whether any additional reclamation can occur. 8/5/08</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. 8/5/08</p> <p>See erosion control section. Continue to monitor controls. 8/5/08</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>

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Old Farms Rd. (115kV Underground trench-work)	vegetating 8/5/08 Access roads, pads, and areas along the shoulders of Old Farms Rd from Tuttle to Cook Hill Jct. remain final graded and seeded. Pads within the ROW remain in place. 8/5/08	Monitor the area until stabilized. See erosion controls section. 8/5/08	NA
Dewatering	All foundations and dewatering is complete at this time. 8/5/08	Remove and stabilize old dewatering pits as necessary. 8/5/08	NA at this time. Work has shifted to restoration.
Blasting	No blasting is proposed.	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 8/5/08 Small remaining stockpiles of soil/stone are associated with most pads along the ROW section off Tuttle Ave. 8/5/08	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. 8/5/08 The landowner requested that materials remain. Evaluate whether additional reclamation can occur. 8/5/08	Needs regular attention. NA at this time.
Additional Observations	None 8/5/08	None	

Next likely scheduled inspection:

Tuesday August 12, 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. View of one of the permanent culverts and the established vegetative cover, consisting of wetland species.



High Hill Rd: Small gully noted along the access road slope. The slight sedimentation at the base was not affecting resource areas. A few haybales may be placed at the base of slope proactively. Continue to monitor.



Durham Rd: The banks of the stream previously crossed with the equipment bridge are fully vegetated and stable. ATV tracks were noted in the adjacent wetland despite the gate. The adjacent access is slowly re-vegetating.



East Center St: View of the ROW from the roadway looking towards Tamarac Road. The restored access road is re-vegetating well.



Docker Dr: Filter socks and silt fence remain at the bank of the stream. Areas immediately adjacent are well vegetated but the thick bark remains on the slopes upgradient.



Tuttle Ave: The access roads and pads remain along this section of the ROW. Small leftover stockpiles are associated with most of the pads. BSC was informed that the landowner requested that the pad and road materials remain in place.



Cook Hill Jct: Some sediment has started to wash over the controls above the wetlands. Sediment removal is needed.