

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: June 3, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.23" of precipitation was recorded in the week prior to inspection all falling on 5/31 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Timber mats are in place at some wetland crossings and staging areas. 6/3/08	See Erosion Control Section for more details 6/3/08	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, a large area upgradient remains rutted, muddy, and disturbed following activity (since 4/1). Contractor is now working to restore the wetlands and continues restoration off High Hill Rd. 6/3/08	See the erosion control section for more details. Continue to sweep the roadway as needed. 6/3/08	See erosion control section. Restoration underway.
	Stone was installed within the wetlands (4/15). BSC was informed that crews are reducing the overall wetland impact by eliminating one of the proposed access roads to the structures. A spur road between the two sets of structures was created instead. Crews were removing the stone pad within the wetlands. New controls remain installed across the outlet. 6/3/08	Culverts will need to be installed to maintain sheet flow hydrology in the wetlands. Monitor new controls and replace/add as needed during restoration work. 6/3/08 See erosion control section.	Crews were removing the pad from the wetlands.
Durham Rd. Liney Hall Ln.	The two equipment bridges over the Muddy	Continue to monitor and add controls as needed.	Restoration off Durham Rd is complete. Major

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Williams to Stony Brook	<p>River tributary located off Liney Hall Ln and Durham Rd. have been removed. The ROW north and south of Durham Rd has been restored. Timber mats were being removed off Liney Hall. 6/3/08</p>	<p>Replace timber mats if additional access is needed through these areas. Stabilize exposed soils as needed. Check wetlands south of Durham Rd for any sediment accumulation in the wetlands at the crossing. 6/3/08</p>	<p>crossings were removed. Timber mats being removed off Liney Hall.</p>
	<p>The small amount of stone remains in the wetlands off Liney Hall. 5/20-6/3/08</p>	<p>Continue to carefully remove the remaining stone, by hand, from the wetlands. 5/20-6/3/08</p>	<p>Minor attention still needed.</p>
	<p>Final restoration was complete up to Stony Brook Rd. Restoration continues off Stony Brook Rd. 6/3/08</p>	<p>Continue to restore completed areas and maintain controls as needed. 6/3/08</p>	<p>Final restoration continues.</p>
Tamarack Swamp Rd.	<p>Access road within the pasture east of the roadway includes wetland crossings via culverts. Timber mat access road and pad were removed to structure 24254. F6/3/08</p>	<p>Monitor controls at wetland crossings and stabilize exposed soils during restoration, following timber mat removal. See erosion control section for details. 6/3/08</p>	<p>NA at this time</p>
Williams; S. Turnpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook; Pent Rd.; Oliver Creek Rd.	<p>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. Stone construction entrance pads remain in place at entrances. 6/3/08</p>	<p>Continue to monitor entrances and sweep as needed. 6/3/08</p>	<p>NA</p>
Pond Hill Rd. Docker Dr.	<p>ATVs had been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. (since 12/4). Contractor has placed heavy mulch along the slopes at Docker (since 4/29) to stop erosion problems from getting worse. 6/3/08</p>	<p>Contractors have made efforts to stabilize the area several times but ATV traffic is high in this area. Mulch has help reduce the impacts from ATV's. See erosion control section for more details. 6/3/08</p>	<p>Continue to monitor. Mulch has improved the ATV issue.</p>
Mansion Rd to Tuttle Ave.	<p>A culvert remains in place to help prevent ponding on the access road. Water bars remain in place</p>	<p>Monitor the area and add controls if needed. 6/3/08</p>	<p>NA</p>

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<p>Old Farms Road</p>	<p>across the access road to slow and filter stormwater. 6/3/08</p> <p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-6/3/08</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. 6/3/08</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. 6/3/08</p> <p>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-6/3/08</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-6/3/08</p> <p>Additional controls are needed here for heavy rains, potentially haybale check dams along the swale when working. 6/3/08</p> <p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-6/3/08</p> <p>Re-grade and restore the rutted areas when feasible. 1/8-6/3/08</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> <p>Needs attention when feasible.</p>
<p>Foundation and site construction</p>	<p>Crews were providing restoration measures off Carpenter Ln and High Hill Rd., including pad removal in the wetlands off Carpenter Ln 6/3/08</p> <p>Grading and restoration is underway off Liney Hall Ln and Stony Brook Rd. The bridge crossings were removed from the Muddy Brook trib. 6/3/08</p>	<p>Maintain controls during restoration. Monitor restored areas for stabilization. 6/3/08</p> <p>Maintain controls during restoration. Monitor restored areas for stabilization. 6/3/08</p>	<p>Restoration continues.</p> <p>Restoration continues.</p>
<p>Erosion and sediment controls Carpenter Ln. to Rt. 68</p>	<p>The high flow that is present, during heavy rains, within the ditch/outlet here will not</p>	<p>Ensure these controls are in place and working during active work or rain events due to the</p>	<p>New controls remain in place.</p> <p>Wetland pad was being</p>

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	<p>allow haybales to remain in place. New haybales were installed with a line of silt sock to maintain a line of controls in the fast moving water while work is taking place. The contractor was removing the stone pad in wetlands during the inspection. 6/3/08.</p> <p>Area upgradient is heavily rutted and disturbed from activities (since 3/18). Crews are working in this area. 6/3/08</p> <p>Water bars are installed to divert stormwater off High Hill Rd. Restoration activities are underway and hay/seed applied on disturbed areas. Crews were spreading topsoil at the site entrance during the inspection. 6/3/08</p>	<p>adjacent exposed soil. 6/3/08</p> <p>See Inland wetland section.</p> <p>Disturbed areas will need stabilization. Provide additional attention to establish vegetative cover. 3/18-6/3/08</p> <p>Continue to maintain controls until the site is fully stabilized. Monitor final stabilization measures for effectiveness. 6/3/08</p>	<p>reclaimed.</p> <p>Crews are working in this area.</p> <p>Final restoration continues.</p>
<p>Durham Rd. Liney Hall Ln.</p>	<p>Restoration complete north and south of Durham Rd. Timber mats and bridge have been removed from the wetlands south of Durham and the area was graded. Timber mats were being removed off of Liney Hall. 6/3/08</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. 6/3/08</p>	<p>Restoration continues off Liney Hall. Restoration complete off Durham. Evaluate sediment at the wetlands.</p>
<p>Williams Rd to East Center St.</p>	<p>Restoration complete off Williams Rd and continues off Stony Brook Rd. Access roads and pads were being removed. 6/3/08</p>	<p>Add controls as needed in this area. Stabilize soils when applicable. 6/3/08</p>	<p>Restoration complete off Williams and continues off Stony Brook.</p>
<p>Tamarack Swamp Rd.</p>	<p>Detention basins are being removed during restoration activities. 6/3/08</p> <p>The pad on the west side of roadway remains final graded and mulch/seed</p>	<p>Stabilize disturbed areas once final grading is complete. 6/3/08</p> <p>Final restoration of this area is complete. 6/3/08</p>	<p>Restoration underway.</p> <p>See Inland wetland section.</p>

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<p>Powers Rd. Woodhouse Ave. Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p> <p>Old Farms Rd.</p>	<p>graded and mulch/ seed was applied. 6/3/08</p> <p>On the east side, reclaimed areas remain mulched, and seeded. 6/3/08</p> <p>Controls remain downgradient of the bypass access road off Powers Rd. Reclamation activities are still proposed for the pad. 6/3/08</p> <p>A layer of heavy bark mulch has been applied along the slopes off Docker to stop the erosion/gulying issues. The mulch appears to hold up well to ATV traffic. 6/3/08</p> <p>Turbid run-off was noted several times (since 11/6) from work near structure #24209, on the access roads, and roadway. 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. 6/3/08</p>	<p>See Inland wetland section for more details</p> <p>Continue to final grade and stabilize exposed areas. Monitor areas for final vegetative cover. 6/3/08</p> <p>Continue to stabilize the area and maintain controls. 6/3/08</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. 6/3/08</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. 6/3/08</p>	<p>NA at this time.</p> <p>NA at this time.</p> <p>Heavy bark mulch is holding up to ATV traffic.</p> <p>Continue to evaluate and stabilize.</p> <p>Area needs additional attention when active, in periods of heavy rain.</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 expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. This includes attending to restoration of</p>	<p>Approved work in wetlands will follow the permit guidelines. 6/3/08</p> <p>Final stabilization and reclamation efforts should occur 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.</p>	<p>NA</p> <p>Restoration underway in many areas.</p>

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Carpenter Ln. to Rte 68	<p>adjacent upland areas when work is complete. 6/3/08</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. 6/3/08</p> <p>The timber mat and stone staging areas placed within wetlands off Carpenter Ln were being removed. The large disturbed upgradient from wetlands (since 3/18) will be restored shortly. Restoration crews were working in this area and controls remain intact. 6/3/08</p>	<p>6/3/08</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. 6/3/08</p> <p>Continue to monitor for sufficient stabilization and effective controls during the active work. Culverts are to be installed from east to west to maintain sheet flow in this wetland. 6/3/08</p>	<p>Needs to be monitored</p> <p>Wetland pad removal is underway.</p>
Durham Rd. Liney Hall Ln.	<p>The timber mats and bridge off Durham Rd. has been removed and the area is at final grade. Soils should be stabilized. Timber mats were being removed from Liney Hall. 6/3/08</p>	<p>Monitor controls and add new controls as needed. Sediment removal from wetlands may be needed and should be inspected during restoration. 6/3/08</p>	<p>Timber mats and bridges have been removed.</p>
Tamarack Swamp Road	<p>Minor amounts of stone remain in the Liney Hall Ln wetland and will need to be removed by hand. 5/20-6/3/08</p> <p>Final restoration complete at the southeastern and southwestern entrance. 6/3/08</p>	<p>Remove remaining access road stone, by hand, from wetlands as needed. Monitor exposed soils and stabilize. 5/20-6/3/08</p> <p>Monitor exposed soils from timber mat removal and adjacent controls. 6/3/08</p>	<p>Minor stone removal still needed.</p> <p>Final restoration complete at the two southern entrances.</p>
Powers Rd. & Woodhouse Ave.	<p>Soils exposed by timber mat removal were seeded, but not all stone was removed from the wetland prior to seeding. (noted 9/25) Well-</p>	<p>Remove the stone from the wetlands to the extent feasible (recommended since 9/25). Work appears completed in this area and restoration</p>	<p>Area needs attention during final restoration</p> <p>Areas of remaining stone piles in the wetland will be marked by BSC.</p>

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Mansion Rd to Tuttle Ave.	<p>established grass cover is in place. 6/3/08</p> <p>Several wetland crossings are in place. Clear water was noted at all crossings and drainage ditches are working well. 6/3/08</p>	<p>should soon begin. 6/3/08</p> <p>Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 6/3/08</p>	NA at this time.
<p>State species of concern, threatened and endangered species.</p> <p>Durham Rd. Liney Hall Rd</p> <p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</p>	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 6/3/08</p> <p>Good amphibian breeding habitat has been noted in wetlands in the section of ROW. Crossings are being removed and the areas are being restored at this time. 6/3/08</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. 6/3/08</p>	<p>Continue to monitor area and retain distance from active work. 6/3/08</p> <p>Replace timber mats if additional access is needed. 6/3/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 6/3/08</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. 6/3/08</p>	<p>NA</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 Have been cleared</p> <p>Restoration continues moving south</p> <p>Woodhouse Ave and</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 6/3/08</p> <p>Final restoration continues off Carpenter Ln, High Hill, Liney Hall, and Stony Brook. Areas were being graded, seeded and mulched. 6/3/08</p> <p>As requested by state representatives and Siting</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan. Be extremely mindful of the extent of clearing flags. 6/3/08</p> <p>The D&M states that areas should be temporarily stabilized if work will not return in 21 days. Final restoration continues. 6/3/08</p> <p>Continue to monitor and replace shrubs if needed.</p>	<p>NA</p> <p>Final stabilization continues moving south.</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. 6/3/08</p> <p>Contractors have spread heavy bark mulch over the exposed areas and rills/gullies for stabilization (since 4/29). 6/3/08</p> <p>Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26-6/3/08</p>	<p>B&M intends to inspect the survival status of the shrubs in the near future. 6/3/08</p> <p>See erosion control section. Monitor new controls for effectiveness. 6/3/08</p> <p>Regrade the disturbed/rutted area and stabilize. 6/3/08</p>	<p>NA at this time.</p> <p>Needs minor grading.</p>
Dewatering	It all foundations and dewatering is complete at this time. 6/3/08	Remove and stabilize old dewatering pits as necessary. 6/3/08	NA at this time. Work has shifted to restoration.
Blasting	No blasting is proposed. 6/3/08	None	NA
<p>Spills, soils and material storage</p> <p>Stony Brook Rd.</p>	<p>Spill control materials are being brought to sites when work is performed. This was noted south of Carpenter Ln. where restoration crews are working. 6/3/08</p> <p>A small spot/drip of hydraulic fluid was noted at the site entrance. Crews were checking equipment. 6/3/08</p>	<p>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. 6/3/08</p> <p>Remove affected stone and contain/repair leaking equipment as soon as possible. 6/3/08</p>	<p>Needs regular attention.</p> <p>Needs attention. Contractors were informed.</p>
Additional Observations	None 6/3/08	None	

**Next likely scheduled
inspection:**

Tuesday June 10, 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 stockpile on site resulting from work within wetlands. Note that a spill control container has been left onsite proactively during restoration activities.



Carpenter Ln: Restoration work is underway within the wetlands. Monitor controls and equipment closely during work.



High Hill Rd: Final restoration continues. Crews were removing soils and applying hay and seed.



High Hill Rd: Final grading/restoration was underway. Crews were spreading topsoil at the site entrance.



Durham (south): Timber mats and bridge have been removed from the flooded crossing. Monitor and stabilize exposed soils.



Liney Hall: Timber mat and bridge removal is underway. Restore exposed areas upon completion of work.



Stony Brook Rd: Hydraulic fluid drips noted at the site entrance. Crews were working to check and repair the leaking equipment.



Stony Brook Rd: Final restoration continues.