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: May 20, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.75" of precipitation was recorded in the week prior to inspection, with 0.27" falling on

5/15 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Timber mats are in place at wetland crossings and staging areas. 5/20/08	See Erosion Control Section for more details 5/20/08	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 mobilizing in this area to being restoration. 5/20/08	See the erosion control section for more details. Continue to sweep the roadway as needed. 5/20/08	See erosion control section.
	New 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 but it is unclear whether work is complete. 5/13/08 Material that was stockpiled at the edge of the wetland (since 4/29) was pushed into the wetlands to extend the pad. 5/13-5/20/08	Evaluate the placement of the new stone to determine whether impacts can be even further reduced by using the existing access footprint. Culverts will need to be installed and controls should be fixed prior to working in the wetlands. 4/15-5/20/08 See erosion control section.	Needs evaluation. See erosion control section. Stockpiled material was used to extend the pad into the wetlands.
Durham Rd.	An equipment bridge	Continue to monitor and	Wetland/stream

Areas of Inspection	Observation	Recommended Action	Corrected Action
Liney Hall Ln.	crossing remains over the Muddy River tributary and a second bridge is in place off Liney Hall Rd. Restoration is underway off both access roads. The timber mat crossing south of Durham Rd. was very muddy with accumulated sediment and turbid water flowing over controls and into the wetlands. 5/20/08	add controls as needed. Keep equipment out of the access road south of Durham Rd (if possible), while it is flooded. Contractor stated that additional controls were being placed at the crossing (5/20) after the inspection. 5/20/08	crossing at Durham Rd. needs immediate attention. (Contractor stated that controls have since been installed).
	The ruts at the Liney Hall Ln. ROW access (noted since 3/11) have been graded. 5/20/08	Continue to sweep the roadway on a regular basis. 5/20/08	Ruts have been graded.
	Snow and stone had been plowed onto the timber mats and subsequently into the wetlands (since 2/26). Timber mats and most of the stone have been removed, however some small amounts of access rd. stone remains within the wetland. 5/20/08	Continue to carefully remove the remaining stone, by hand, from the wetlands. 5/20/08	Timber mats and some stone removed. Minor attention still needed.
Tamarack Swamp Rd.	Access road within the pasture east of the roadway includes wetland crossings via culverts. Roadway is free of sediment. Timber mat removal and final grading is underway within the pasture. Final grading is complete at other access points along the roadway. 5/20/08	Clean/sweep roadway as needed during work and monitor controls at wetland crossings. Stabilize exposed soils during restoration, following timber mat removal. Continue to monitor and see erosion control section for details. 5/20/08	Timber mat removal and final grading underway.
Williams; S. Turnpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook; Pent Rd.; Oliver Creek Rd.	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. 5/20/08	Continue to monitor entrances and sweep as needed. 5/20/08	NA
Pond Hill Rd. Docker Dr.	ATVs have been causing	Contractors have made	Continue to monitor.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	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. 5/20/08	efforts to stabilize the area several times but ATV traffic is high in this area. Mulch should help reduce the impacts from ATV's. See erosion control section for more details. 5/20/08	Mulch was improving the ATV issue.
Mansion Rd to 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. 5/20/08	Monitor the area and add controls if needed. 5/20/08	NA
Old Farms Road	Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-5/20/08	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-5/20/08	NA at this time
	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. 5/20/08	Additional controls are needed here for heavy rains, potentially haybale check dams along the swale when working, 5/20/08	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. 5/20/08	Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22- 5/20/08	Needs evaluation and attention upon project completion.
	The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-5/20/08	Re-grade and restore the rutted areas when feasible. 1/8-5/20/08	Needs attention when feasible.
Foundation and site construction	Stone stockpiled at Carpenter was pushed	Ensure location of stone is correct and replace	Controls need attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
	into the wetlands to extend the pad. 5/13- 5/20/08 Crews were mobilizing off Carpenter and High Hill for restoration activities. 5/20/08	controls before working in wetlands. See erosion control section. 5/13- 5/20/08	
	Grading and restoration is underway off Liney Hall Ln and Durham Rd. 5/20/08	See Erosion controls section. 5/20/08	See erosion control section.
	Restoration off Tamarack Swamp Rd. underway. Pad sites southeast and southwest have been reclaimed and mulch/ seed were being spread during inspection. Sites northeast were being reclaimed during the inspection. 5/20/08	Continue to monitor for final cover. 5/20/08	Final restoration underway.
Erosion and sediment controls Carpenter Ln. to Rt. 68	The high flow that is present, during heavy rains, within the ditch/outlet here will not allow haybales to remain in place. However, stone work (4/8) had created turbidity in the wetland surface water which flowed off site. The stone/sediment pile that was left in/adjacent to the wetlands was pushed into the wetlands (5/13) to extend the pad. Controls were not placed prior to the work. 5/13-5/20/08.	The outlet needed effective controls when working on the pad in order to filter turbid water before it leaves the site. Ensure these controls are in place during active work or rain events due to the adjacent exposed soil. 4/8-5/20/08 See Inland wetland section.	Evaluate placement of stone: controls need attention.
	Area upgradient is heavily rutted and disturbed from activities (since 3/18). Equipment is mobilizing to begin restoration. 5/20/08	Disturbed areas will need temporary stabilization. Provide additional attention to establish vegetative cover. 3/18-5/20/08	Equipment is mobilizing in the area.
	Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative	Evaluate measures to keep ATVs out of the area. Regrade and add controls as needed to the slope. Perform final slope	Continue to monitor.

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	cover in this area. Water bars are installed to contain and filter stormwater. 12/4-5/20/08	stabilization. 12/4- 5/20/08	
Durham Rd. Liney Hall Ln.	Controls remain intact along the access road and bridge south of Durham Rd. however equipment traffic from restoration activities is pushing mud and turbid water past controls. Additional controls are needed. 5/20/08	Carefully remove sediment from wetlands and attempt use an alternate access until water subsides. See Access Road and Inland wetland sections for more information on this area. Contractor stated additional controls were installed since inspection. 5/20/08	Restoration was underway, however controls need attention. Contractor stated additional controls were installed since inspection.
Williams Rd to East	Exposed slopes upgradient of wetlands north of Durham need stabilization and silt fence needs repair due to large stones and material from the slope. 4/22-5/20/08	Stabilize the slope & soils north of Durham Rd. Pull back stones and material and repair controls 4/22- 5/20/08	Needs attention when feasible.
Center St.	Timber mats and silt fence remain in place at the Stony Brook site access. 5/20/08	Add controls as needed in this area. Stabilize soils when applicable. 5/20/08	NA
	Two small detention basins were used as slurry dewatering areas. Silt fence and a mulched berm are in place around the basins. Basins are dry. 5/20/08	If these pump-out areas are no longer needed, they should be final graded and stabilized when feasible. 5/20/08	NA
Tamarack Swamp Rd.	The pad on the west side of roadway was being final graded and mulch/seed was being applied. Encroachment at the wetland pad that occurred both during installation and wire grounding should be reduced to the extent feasible. 5/20/08	Contractors evaluated pad and determined that the pads remains within the permitted size despite the encroachment, however they will try to reduce impacts in the area to the extent feasible. 5/20/08 See Inland wetland section for more details	See Inland wetland section. Final restoration underway.
	On the east side, the soil stockpile has been removed and the area was	Continue to final grade and stabilize exposed areas. Monitor areas for	Stockpile was removed. Timber mat removal underway.

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	final graded. Mulch and seed were being placed on exposed areas. Timber mats within the wetlands were also being removed. 5/20/08	final vegetative cover. 5/20/08	
Powers Rd. Woodhouse Ave. Harrison Rd.	Controls remain downgradient of the bypass access road off Powers Rd. Reclamation activities are still proposed for the pad. 5/20/08	Continue to stabilize the area and maintain controls. The wetland was evaluated by BSC & B&M and observable sediment accumulation was not detected in the wetland. 5/20/08	NA at this time
	The previously seeded stockpile area off Woodhouse Ave has grass growth and is stable. 5/20/08	Avoid access now that the area is permanently stabilized. 5/20/08	Area is stable.
	The stone settling and overflow area installed at the outlet at Harrison Rd appears to be working well for handling stormwater run-off issues during heavy rain. Water has been percolating through the riprap pad with no observable erosion. 5/20/08	This area should be monitored closely to evaluate the effectiveness over time. Any existing exposed soils should be stabilized upon completion of work. 5/20/08	The new stormwater solution appears to be working well.
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)	A layer of heavy bark mulch has been applied along the slopes off Docker to stop the erosion/gullying issues. The mulch appears to hold up well to ATV traffic. 5/20/08	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. 5/20/08	Heavy bark mulch is holding up to ATV traffic.
Old Farms Rd.	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	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. 5/20/08	Continue to evaluate and stabilize. Area needs additional attention when active, in periods of heavy rain.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	rains when active. 5/20/08		
Inland Wetland and Watercourse encroachment and mitigation	Work has occurred in jurisdictional wetlands under an ACOE permit	Approved work in wetlands will follow the permit guidelines. 5/20/08	NA
	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 adjacent upland areas when work is complete. 5/20/08	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. Weather is becoming conducive to restoration. 5/20/08	Continue to evaluate.
	Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 5/20/08	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 5/20/08	Needs to be monitored
Carpenter Ln. to Rte 68	Some of the timber mat and stone staging areas remain in place within wetlands off Carpenter Ln. The large disturbed upgradient from wetlands (since 3/18) will be restored shortly. Restoration crews were mobilizing here. 5/20/08	Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization. 3/18-5/20/08	Crews are mobilizing to start restoration work here.
	The small pile of stone and material from recent work was pushed into the adjacent standing water to extend the pad. Controls were not replaced prior to this activity. 5/13-5/20/08 Haybales cannot remain upright in the high flow at the outlet during heavy rain. However effective	Check the location of the material and ensure it is needed and in the correct location. Since 4/8, effective/ alternative controls are needed to protect wetlands downstream and filter the turbid water before working in wetlands. Culverts were supposed to be installed	Needs attention and evaluation

Areas of Inspection	Observation	Recommended Action	Corrected Action
	controls were needed as turbid water is noted during active stone work. 4/8-5/20/08	from east to west as a possible solution to turbidity before initiating more stone work. 5/13-5/20/08	
Durham Rd. Liney Hall Ln.	The access off Durham Rd. is flooded, and restoration crew traffic has created turbid water and mud, which is overwhelming controls. 5/20/08	Additional controls are needed and sediment removal from wetlands may be needed. Avoid equipment access through flooded areas if feasible. 5/20/08	Restrict access in flooded areas when feasible. Contractor stated additional controls were installed along the timber mat crossing following inspection.
	Timber mats located in wetlands off Liney Hall Ln have been removed. Some of the stone has been removed however minor amounts of access rd stone remain and will need to be removed by hand. 5/20/08	Remove remaining access road stone, by hand, from wetlands as needed. Monitor exposed soils and stabilize. 5/20/08	Timber mats have been removed; Minor stone removal still needed.
Tamarack Swamp Road	Final restoration underway in this area. Pad sites and timber mats are being removed and hay/seed applied for stabilization. 5/20/08	Contractors have stated they will also make an effort to pull back the encroaching stone from the wetland pad during reclamation. 5/20/08	Final restoration underway. Previously, the contractor has stated that pads are within the proposed/permitted size limits but will attempt to remove spoil to the extent feasible.
Powers Rd. & Woodhouse Ave.	Soils exposed by timber mat removal were seeded, but not all stone was removed from the wetland prior to seeding, (noted 9/25) Wellestablished grass cover is in place. 5/20/08	Remove the stone from the wetlands to the extent feasible (recommended since 9/25). Work appears completed in this area and restoration should soon begin. 5/20/08	Area needs attention during final restoration Areas of remaining stone piles in the wetland will be marked by BSC.
	Wetlands downgradient of the bypass access road were evaluated by BSC and B&M for accumulated sediment (5/8). None was observed. 5/20/08	Continue reclamation activities in this area. 5/20/08	Wetlands were evaluated; sediment was not observed.
Mansion Rd to Tuttle Ave.	Several wetland crossings are in place. Clear water	Monitor and maintain controls. Crossings will	NA at this time.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	was noted at all crossings and drainage ditches are working well. 5/20/08	need to be restored when access needs are complete. 5/20/08	
Old Farms Rd.	New shrubs remain at the access point to the wetland crossing to Cooks Hill Jct. 5/20/08	Continue to monitor and ensure no further access into this area. 5/20/08	NA at this time.
State species of concern, threatened and endangered species.	A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing, 5/20/08	Continue to monitor area and retain distance from active work. 5/20/08	NA
Durham Rd.	Egg masses and tadpoles have been noted in the wetlands and on the timber mats. 5/20/08	Keep off timber mats if feasible until water subsides. 5/20/08	Tadpoles and egg masses noted. Area is active.
Liney Hall Rd	Several frog and salamander egg masses were noted last spring within prime amphibian breeding habitat, located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 5/20/08	Prevent turbidity and direct impacts to these areas to the extent feasible. 5/20/08	NA Location of pool is outside the work area.
Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave	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. 5/20/08	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. 5/20/08	Eastern Box turtles active season has begun and sweeps are needed.
Vegetative clearing or stabilization Most work areas Have been cleared	Vegetation was preserved in areas where invasive species were not dominant. 5/20/08	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. 5/20/08	NA
	Final restoration has begun off Durham Rd,	The D&M states that areas should be	Final stabilization has begun

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Liney Hall Ln, and Tamarack Swamp Rd. Areas were graded, seeded and mulched. 5/20/08	temporarily stabilized if work will not return in 21 days. Final restoration has begun. 5/20/08	
Woodhouse Ave and Harrison Rd.	As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. 5/20/08	Continue to monitor and replace shrubs if needed. B&M intends to inspect the survival status of the shrubs in the near future. 5/20/08	NA at this time.
Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.	Contractors have spread heavy bark mulch over the exposed areas and rills/gullies for stabilization (since 4/29). 5/20/08	See erosion control section. Monitor new controls for effectiveness. 5/20/08	NA at this time.
Old Farms Rd. (115kV Underground trench- work)	Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26- 5/20/08	Regrade the disturbed/ rutted area and stabilize. 5/20/08	Needs additional stabilization.
	Shrubs were planted at the access point to the wetland crossing 5/20/08	Monitor the area. 5/20/08	NA at this time.
Dewatering	It appears all foundations and dewatering is complete at this time. 5/20/08	Remove and stabilize old dewatering pits as necessary. 5/20/08	NA at this time. Work has shifted to restoration.
Blasting	No blasting is proposed. 5/20/08	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. This was also noted proactively south of Carpenter Ln. where restoration crews were mobilizing, 5/20/08	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. 5/20/08	Needs regular attention.
Tamarack Swamp	Stockpile has been removed. Hay and seed was applied over the disturbed area. 5/20/08	Monitor until vegetative cover establishes. 5/20/08	Stockpile removed.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Additional Observations	None 5/20/08	None	

Next likely scheduinspection:	ıled Wednesday May 28, 2008	
and certify that based obtaining the informa and belief, and I undo	on reasonable investigation, including my i ntion, the submitted information is true, acc erstand that any false statements made in thi	submitted in this document and all attachments nquiry of those individuals responsible for trate and complete to the best of my knowledge s document or its attachments may be punishable ion 53a-157 of the Connecticut General Statutes.
Field Inspector:	Matt Creighton, BSC Group	
Reviewer:	Diana Walden, BSC Group	



Carpenter Ln: Large area disturbed/exposed from line work. Crews continue to mobilize onsite for reclamation activities. Spill kits were also observed (proactively).



Carpenter Ln: The stone/sediment stockpile from pad work that was left in/adjacent to wetlands has been pushed further into wetlands to extend the pad.



Durham Rd: Mud and turbid water noted spilling over the controls at the timber mat wetland crossing. Additional controls and possible sediment removal needed.



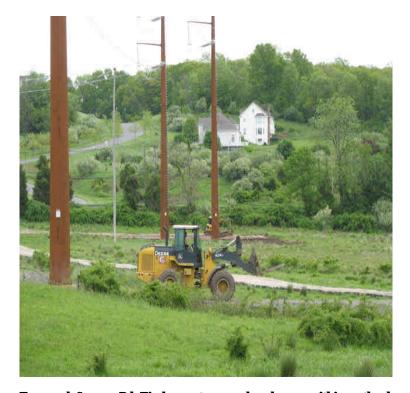
Durham Rd: Final grading/restoration was underway.



Liney Hall Ln: Timber mats removed from the wetlands. Minor amounts of stone remain in the wetlands and should be removed by hand.



Liney Hall Ln: Final restoration of pads and access road narrowing were underway.



Tamarack Swamp Rd: Timber mat removal underway within wetlands.



Tamarack Swamp Rd: Stockpile has been removed and crews had just completed application of mulch and seed.