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 13, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.83" of precipitation was recorded in the week prior to inspection, with 0.73" of the total

reported on 5/9 (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. 5/13/08	See Erosion Control Section for more details 5/13/08	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. 5/13/08	See the erosion control section for more details. Continue to sweep the roadway as needed. 5/13/08	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. Material that was stockpiled at the edge of the wetland (since 4/29) was pushed into the wetlands to extend the pad. 5/13/08	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. 4/15-5/13/08 See erosion control section.	Needs evaluation. See erosion control section. Stockpiled material was used to extend the pad into the wetlands.
Durham Rd. Liney Hall Ln.	An equipment bridge crossing remains over the	Continue to monitor and add controls as needed.	Continue to restrict access at Durham Rd. if

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	Muddy River tributary and a second bridge is in place off Liney Hall Rd. Water flowing across the road off Durham Rd. was slightly turbid as the result of a worker measuring the length of the access road driving through. 5/13/08	Keep equipment out of the access road south of Durham Rd (if possible), while it is flooded. 5/13/08	possible. A vehicle was noted through the crossing.
	No sediment was noted on Liney Hall Ln. at the ROW access but the ruts remain at the entrance. 3/11-5/13/08	Continue to sweep the roadway on a regular basis and install a tracking pad (or refresh stone at the entrance.) 3/11-5/13/08	Entrance needs attention during final restoration.
	Snow and stone had been plowed onto the timber mats and subsequently into the wetlands. 2/26-5/13/08	Carefully remove stone from the wetlands. 2/26-5/13/08	Needs attention during final restoration.
Tamarack Swamp Rd.	Access road within the pasture east of the roadway includes wetland crossings via culverts. Roadway is free of sediment. Turbid water has been noted flowing around the site during storms but largely due to the existing field conditions. 5/13/08	Clean/sweep roadway as needed during work and monitor controls at wetland crossings. Continue to monitor and see erosion control section for details. 5/13/08	NA at this time
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. 5/13/08	Continue to monitor entrances and sweep as needed. 5/13/08	NA
Pond Hill Rd. Docker Dr.	ATVs have 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	Contractors have made 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.	Continue to monitor. Mulch was improving the ATV issue.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	getting worse.5/13/08	5/13/08	
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. 5/13/08	Monitor the area and add controls if needed. 5/13/08	NA
Old Farms Road	Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-5/13/08	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-5/13/08	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. 5/13/08	Additional controls are needed here for heavy rains, potentially haybale check dams along the swale when working, 5/13/08	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. 5/13/08	Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22- 5/13/08	Needs evaluation and attention upon project completion.
	The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-5/13/08	Re-grade and restore the rutted areas when feasible. 1/8-5/13/08	Needs attention when feasible.
Foundation and site construction	Stone stockpiled at Carpenter was pushed into the wetlands to extend the pad. 5/13/08	Ensure location of stone is correct and replace controls before working in wetlands. See erosion control section. 5/13/08	Controls need attention
	Shrubs were planted along Old Farms Rd upgradient from the wetland crossing to Cook Hill Jct. Stockpiles	None at this time. 5/13/08	Shrubs planted off Old Farms Rd. Stockpiles removed.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	were removed from this area. 5/13/08		
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 (since 4/15) was pushed into the wetlands this week to extend the pad. Controls were not placed prior to the work. 5/13/08.	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. 4/8-5/13/08 See Inland wetland section.	Needs attention. 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. 5/13/08 ATV traffic was also noted in this area, damaging controls and leaving ruts (since 1/16).	Disturbed areas will need temporary stabilization. Provide additional attention to establish vegetative cover. 3/18-5/13/08 Evaluate measures to keep ATVs out of the area. 5/13/08	Equipment is mobilizing in the area for restoration activities.
	Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative cover in this area. Water bars are installed to contain and filter stormwater. 12/4-5/13/08	Evaluate measures to keep ATVs out of the area. Regrade and add controls as needed to the slope. Perform final slope stabilization in the growing season. 12/4-5/13/08	Continue to monitor.
Durham Rd. Liney Hall Ln.	Controls remain intact along the access road and bridge south of Durham Rd. Timber mats and fiber rolls remain in place. The flooded portion of the road was being filtered well by controls. Tadpoles were noted here last week. 5/13/08	Monitor and add controls along the road or wetland as needed. See Access Road and Inland wetland sections for more information on this area. 5/13/08	Restrict access in flooded areas when feasible. Liney Hall Rd needs attention upon completion of work.

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	Exposed slopes upgradient of wetlands north of Durham need stabilization and silt fence needs repair due to large stones and material from the slope. 4/22-5/13/08	Stabilize the slope & soils north of Durham Rd. Pull back stones and material and repair controls 4/22- 5/13/08	Needs attention
Williams Rd to East Center St.	Timber mats and silt fence remain in place at the Stony Brook site access. 5/13/08	Add controls as needed in this area. Stabilize soils when applicable. 5/13/08	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. 5/13/08	If these pump-out areas are no longer needed, they should be final graded and stabilized when feasible. 5/13/08	NA
Tamarack Swamp Rd.	A pad and foundation remain within wetlands with an adjacent area of standing water west side of roadway. Some encroachment has occurred both during installation and wire grounding. Controls were replaced around the sediment on 12/26 and hay mulch was applied. 5/13/08	Ensure that sediment from both encroachments is removed, not just encompassed, or determine if existing conditions are covered by the permit 12/26-5/13/08 Contractors are regularly evaluating pads to ensure impacts are within permitted dimensions. See Inland wetland section for more details 12/26-5/13/08	See Inland wetland section.
	On the east side, a soil stockpile remains in place with some adjacent controls. However, the pile is not fully stabilized. 4/1-5/13/08	Remove or stabilize the stockpile as soon as feasible in accordance with the D&M Plan. 4/1-5/13/08	Stockpile should be stabilized or removed.
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. 5/13/08	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. 5/13/08	NA at this time.
	The previously seeded	Ensure sufficient	Monitor this area for

Areas of Inspection	Observation	Recommended Action	Corrected Action
	stockpile area off Woodhouse Ave. is starting to grow grass. 5/13/08 Vehicle tracks were noted in the reclaimed areas. 11/27- 5/13/08	stabilization and add hay/seed as needed. Avoid access once an area is temporarily or permanently stabilized. 11/27-5/13/08	stabilization. Grass growth noted.
	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. 5/13/08	This area should be monitored closely to evaluate the effectiveness over time. Any existing exposed soils should be stabilized upon completion of work. 5/13/08	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 (4/29). The mulch appears to hold up well to ATV traffic. 5/13/08	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. 5/13/08	Heavy bark mulch is holding up to AVT 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 rains when active. 5/13/08	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. 5/13/08	Continue to evaluate and stabilize. Area needs additional attention when active, in periods of heavy rain.
	The two soil stockpiles located onsite and not fully contained since (3/4) have been fully removed and the areas graded. 5/13/08	Monitor the areas and stabilize the soils with vegetative cover as soon as possible. 5/13/08	Stockpiles have been removed.
Inland Wetland and Watercourse encroachment and	Work has occurred in jurisdictional wetlands under an ACOE permit	Approved work in wetlands will follow the permit guidelines.	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
mitigation		5/13/08	
	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. 5/13/08	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. 5/13/08	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. 5/13/08	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 5/13/08	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 In. The large disturbed upgradient from wetlands (since 3/18) will be restored shortly. Restoration crews were mobilizing here. 5/13/08	Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization. 3/18-5/13/08	Work should be expedited here. Stabilization needed per timelines as the area has been inactive for several weeks.
	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. 5/13/08 Haybales cannot remain upright in the high flow at the outlet during heavy rain. However effective controls were needed as turbid water is noted during active stone work. 4/8-5/13/08	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 from east to west as a possible solution to turbidity before initiating more stone work. 5/13/08	Needs attention and evaluation
Durham Rd. Liney Hall Ln.	Timber mats are in place	Continue to monitor and	Restrict access in

Areas of Inspection	Observation	Recommended Action	Corrected Action
	at the wetland crossings in these sections and well installed bridges are in place for two larger stream channels. The access off Durham Rd. is flooded, the water is slightly turbid from recent activity, and filled with tadpoles. 5/13/08	add controls as needed. Monitor the bridge surface for sediment tracking, Avoid equipment access through flooded areas if feasible, 5/13/08	flooded areas when feasible.
	Snow removal (on 2/26) has pushed stone onto timber mats and subsequently into wetlands off Liney Hall Ln. 5/13/08	Remove stone, by hand, from wetlands and pull stone back off of the timber mats. 2/26-5/13/08	Needs attention upon completion of work.
Tamarack Swamp Road	Pad and adjacent controls remain within wetlands. In two separate occasions, during active work, sediment was pushed over controls into wetlands. Controls were replaced around the sediment each time but the encroachments were not removed. 2/20-5/13/08	Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-2/20/08 Contractors will also make an effort to pull back the stone during reclamation. 5/13/08	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. 5/13/08	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. 5/13/08	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. None was observed. 5/13/08	Continue reclamation activities in this area. 5/13/08	Wetlands were evaluated; sediment was not observed.
Mansion Rd to Tuttle Ave.	Several wetland crossings are in place. Clear water was noted at all crossings and drainage ditches are working well. 5/13/08	Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 5/13/08	NA at this time.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd.	New shrubs have been planted at the access point to the wetland crossing to Cooks Hill Jct. 5/13/08	Continue to monitor and ensure no further access into this area. 5/13/08	New shrubs were planted.
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, 5/13/08	Continue to monitor area and retain distance from active work. 5/13/08	NA
Durham Rd.	Egg masses and tadpoles have been noted in the wetlands and on the timber mats. 5/13/08	Keep off timber mats if feasible until water subsides. 5/13/08	Tadpoles and egg masses noted.
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. 5/13/08	Prevent turbidity and direct impacts to these areas to the extent feasible. 5/13/08	NA
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. 5/13/08	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. 5/13/08	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. 5/13/08	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. 5/13/08	NA
	Work is complete, at least temporarily, in many areas along the route. Final restoration is scheduled to begin soon.	The D&M states that areas should be temporarily stabilized if work will not return in 21 days. At this time,	Final stabilization should begin soon.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	5/13/08	weather is becoming conducive to final restoration. 5/13/08	
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. 5/13/08	Continue to monitor and replace shrubs if needed. B&M intends to inspect the survival status of the shrubs in the near future. 5/13/08	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). 5/13/08	See erosion control section. Monitor new controls for effectiveness. 5/13/08	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- 5/13/08	Regrade the disturbed/ rutted area and stabilize. 5/13/08	Needs additional stabilization.
	Shrubs were planted at the access point to the wetland crossing. 5/13/08	Monitor the area. 5/13/08	Shrubs were planted.
Dewatering	It appears all foundations and dewatering is complete at this time. 5/13/08	Remove and stabilize old dewatering pits as necessary. 5/13/08	NA at this time. Work should shift to restoration.
Blasting	No blasting is proposed. 5/13/08	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 5/13/08	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. 5/13/08	Needs regular attention.
Tamarack Swamp	A stockpile remains in the uplands. Stockpile should be stabilized or removed when feasible. 5/13/08	Always contain and stabilize stockpiles in accordance with the D&M Plan. Filter socks were noted at the base of the pile off but it was not fully	Stockpile should be removed or stabilized.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd.	The two stockpiles that had previously remained on site that were not fully contained since (3/24) have been removed. 5/13/08	enclosed. 5/13/08 Mulch and seed the exposed soils now that the stockpiles were removed. 5/13/08	Stockpiles have been removed.
Additional Observations	None 5/13/08	None	

Next likely schedu inspection:	led Tuesday May 20, 2008	
and certify that based obtaining the informa and belief, and I unde		iry of those individuals responsible for
Field Inspector:	Matt Creighton, BSC Group	
Reviewer:	Diana Walden, BSC Group	



Carpenter Ln: Large area disturbed/exposed from line work. Crews were starting to bring equipment to the site for reclamation activities.



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: Contractor measuring the length of the access road has driven through the flooded timber mats. Keep off mats when flooded if feasible.



Tamarack Swamp Rd: View of timber mat staging area within wetland



Tamarack Swamp: Stockpile located in the uplands. Stabilize or remove as soon as possible.



Old Farms Rd: Landscaped plants were placed at the access to the wetland crossing.



Harrison Rd: View of the recently installed stormwater solution for run-off from the roadway. Stormwater has been percolating through the stone during heavy rain. Continue to evaluate.



Old Farms Rd: Stockpile upgradient from wetlands has been fully removed.