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 22, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.85" of precipitation was recorded in the week prior to inspection, with 0.65" on 5/16

(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. 5/22/07	See Erosion Control Section for more details 5/22/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. 5/22/07	Add controls as needed along the wetlands See the erosion control section. 5/22/07	NA
	A culvert was recently installed at a small access road stream crossing to reach several new pad sites between High Hill Rd. and Carpenter Ln. The channel was dry at this time. 5/22/07	Add controls as needed along the new access road. Monitor stream for sediment. Wetland crossings will need to be restored at the end of the project. 5/22/07	NA at this time
Liney Hall Ln.	New section of access road and pad installed. 5/22/07	Monitor new access road and add controls as needed. 5/22/07	NA.
Williams Rd. to East Center St., Stoney Brook Rd.	Access road and pad sites in place moving north from Stony Brook Rd. Exposed soil at Williams Rd. crossing did not appear to be fully contained adjacent to a wetland area (noted since 4/24). 5/22/07	Add controls as needed to protect the undisturbed portion of the adjacent wetland. See erosion control section. 4/24-5/22/07	Needs attention
	Equipment has disturbed a mowed area at the	Regrade disturbed area and seed/stabilize.	Lawn area needs restoration when

Areas of Inspection	Observation	Recommended Action	Corrected Action
	access off Williams Rd. Exposed soil was noted. 5/15-5/22/07	Monitor for erosion and sediment tracking in the roadway. 5/22/07	feasible.
Powers Rd.	A timber/corduroy crossing was built in the wetland for clearing crew access. 5/22/07	Continue to monitor and ensure road is maintained to support equipment. 5/2207	NA
S. Tumpike + Merritt Parkway Area; Mansion Rd.; Powers Rd. & Woodhouse Ave.; Durham Rd.; Liney Hall Ln.; Stony Brook; Carpenter Ln., High Hill 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 most. 5/22/07	Continue to monitor entrances and sweep as needed. Also, continue to monitor the slope at S. Turnpike for additional wash-outs or run-off issues. 5/22/07	NA
Pond Hill Rd.	Clearing crews accessing northwest and southeast of Pond Hill Rd. Several wetland crossings were noted, including a small pond with tadpoles and egg masses. Water in pond was turbid from equipment and appropriate crossing techniques were not observed. 5/22/07	Limit pond crossing and impacts to the extent feasible. Add controls and appropriate crossing measures. 5/22/07	Needs attention/ evaluation.
Old Farms Road	Plywood is being used to reduce impact to the driveways crossing the ROW from equipment crossing. Two driveways have some minor marks from equipment. 12/27/06-5/22/07	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-5/22/07	Plywood is used to protect driveways from equipment damage (proactively).
	No run-off from the low, saturated spot (filled during access road construction) noted during this inspection. In the past, turbid run-off has been observed reaching Old Farms Rd and entering a CB, flowing directly to receiving wetlands off-site at one driveway. 5/22/07	Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-5/22/07 Evaluate whether preexisting drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-5/22/07	No immediate issues; needs future evaluation and attention.
Old Farms Rd. (115kV Underground trench-	Some loose asphalt "crumbling" is still noted	Arrangements to re-pave and finish the road	Needs regular attention and evaluation.

Areas of Inspection	Observation	Recommended Action	Corrected Action
work)	at the trench patch but looks better. Small potholes have developed with the recent rains. (Noted since 4/24) The patch continues to deteriorate. 5/22/07	surface should be made as soon as feasible. Continue to clean loose asphalt until area can be properly repaved. 4/24 5/22/07	
Foundation and site construction Carpenter Ln; High Hill Rd.	A few weeks ago, two foundations were poured adjacent to wetlands south of Carpenter Ln. A third spot is not poured yet. 5/22/07	Exposed soil is not fully contained. See erosion control & access road section. 5/8-5/22/07	Needs attention
	A new pad was noted upgradient from wetlands off High Hill Rd. 5/22/07	No controls were noted yet. See erosion control section. 5/22/07	Needs evaluation
Durham Rd.	No new work since clearing was completed, and access road installed. 5/22/07	See erosion control section. 5/22/07	NA
Liney Hall Lane	A small section of access road and a new pad were installed. 5/22/07	See erosion control/access road section. 5/22/07	NA
Williams Rd to East Center St.	Clearing and stockpiling timber complete for now. Exposed soil is present 5/22/07	Add controls as needed. See erosion control section. 5/8-5/22/07	NA
Powers Rd. & Woodhouse Ave.	New clearing moving northeast off Powers Rd. though wetlands. 5/22/07	Add controls to protect wetlands as needed as work continues. See erosion control section. 5/22/07	NA.
Harrison Rd.	ROW clearing is complete for now moving southwest from Woodhouse Ave to Harrison Rd. 5/22/07	See erosion control & state-listed species sections. 5/22/07	NA
S. Tumpike + Merritt Parkway Area	No new work was noted off South Tumpike. 5/22/07	See erosion control section. 5/22/07	NA
Mansion Rd. Apple Orchard	Access roads and staging areas are in place.5/22/07	See access roads section. 5/22/07	NA
Old Farms Rd. (115kV	Chain link fencing	Monitor and maintain	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Underground trench- work)	remains in place as a protective measure around an open pit left at the location where the underground line will eventually transition to overhead. 5/22/07	fence as needed. 5/22/07	
Erosion and sediment controls High Hill Rd. to Rt. 68	Silt fence and haybales adjacent to the wetland near High Hill Rd. entrance are in disrepair. (noted 3/6) A line of new haybales remains in place to reinforce the controls. Turbid water was flowing through during the recent heavy rains but was not noted this week. 5/22/07	Inspect and maintain silt fence/haybales as needed. Remove/replace existing degraded controls and monitor for run-off. 4/20- 5/22/07	Needs evaluation and attention.
	Pad site installed just upgradient of wetland crossing no controls were noted. 5/22/07	Install controls downgradient to contain exposed soil and prevent sedimentation. 5/22/07	Needs attention/ evaluation.
	Hydroseed remains on the exposed soil of portions of the graded staging areas/slopes and grass growth was noted. 5/22/07	Monitor for vegetative cover and adjust controls as needed. 5/22/07	Grass growth was noted.
Carpenter Lane	Controls were in place within wetlands at staging areas south of Carpenter Ln. Slurry run-off and sediment accumulation had reached the line of haybales at the wetland at one of the foundation locations. 5/8-5/22/07	Remove shury/sediment from wetlands where it is greater than 2" deep and restore the area to promote vegetative cover. 5/8-5/22/07	Needs attention.
Durham Rd.	Haybales in place along wetland near site entrance. No run-off noted. 5/22/07	Monitor and add controls as needed. 5/22/07	NA
Liney Hall Ln.	Fiber rolls remain along the stream here where timber mats had been removed. 5/22/07	Monitor and add controls as needed. 5/22/07	NA
Williams Rd to East Center St.	Some timber mats and silt	Remove sediment build	Needs evaluation

Areas of Inspection	Observation	Recommended Action	Corrected Action
	fence were in place north of the Stony Bk. Rd. access as clearing continues within and around the two wetlands. However, exposed fill from access road grading does not appear to be fully controlled. 4/17-5/22/07	up from controls and add controls as needed to encompass all exposed soil. 5/8- 5/22/06	
	Exposed soil remains where timber mats had been at the stream crossing and wetlands off Williams Rd. Clear water run-off was noted but controls are needed to protect the undisturbed portion of the wetlands. 5/2-5/22/07	Add appropriate controls between the exposed soil and the undisturbed portion of wetlands. 5/2-5/22/07	Needs attention and evaluation
	According to the D&M plans, a potential vernal pool is located in this area. 5/22/07	See state listed species section for more details. 5/22/07	Needs evaluation and attention
Powers Rd. & Woodhouse Ave.	A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers 5/22/07	Monitor controls for effectiveness. Clean sediment from riprap as needed. 5/22/07	NA
	New clearing within wetlands moving northeast off Powers Rd. Timber/corduroy roads used to cross the wetland. No controls were in place at crossings. Turbid water was observed flowing off site and filtering into the vegetation. 5/22/07	Add controls and stabilize area as soon as possible to reduce turbid run-off to sensitive areas. 5/22/07	Needs evaluation and attention.
Woodhouse Ave to Harrison Rd.	Erosion controls remain along the stone pad at the wetland edge off Woodhouse Ave. The stone is stressing the silt fence and a section of it was crushed, however, run-off was not observed in the wetland 4/3-	Monitor and maintain controls. Add controls as needed. 4/3-5/22/07	Needs some proactive attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
	5/22/07 Clearing complete in this section to the small stream crossing and along a steep slope. Hay and seed were placed along the disturbed slope. 5/22/07	Monitor for vegetative cover and adjust controls as needed. 5/22/07	Hay and seed used for stabilization upgradient from the stream.
Pond Hill Rd.	New clearing underway, including in sections of wetlands. Controls and crossing measures are needed as turbid water was noted in a ponded area from equipment. 5/22/07	Add controls to protect wetlands. Monitor pond and reduce impacts from crossing to the extent feasible. 5/22/07	Needs attention
S. Turnpike + Merritt Parkway Area	The slope did not have any new erosion issues. The silt fence along the base of slope remains intact. 5/22/07	Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 5/22/07	NA
Mansion Rd.	An existing riprap slope and culvert are present near the entrance from the road. Controls remain intact. 5/22/07	Continue to monitor and adjust controls in this area. Clean sediment as needed. Evaluate whether a run-off diversion is needed. 5/22/07	Continue to evaluate.
Mansion Rd. Apple Orchard	Small sections of silt fence are in place strategically at run-off points and near wetlands. Run-off was contained by controls. Some sections need minor repair and sediment accumulation was noted. 3/13-5/22/07	Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-5/22/07	Needs regular maintenance.
Old Farms Rd. (Equipment Storage Area)	The equipment storage yard off Old Farms Rd. no longer appears active. Silt fence is in disrepair in some spots. 4/17-5/22/07	If work will not return, remove the silt fence and any remaining construction materials 4/17-5/22/07	Needs attention when feasible.
Old Farms Rd. (115kV Underground work)	Roadway was recently swept and most of the asphalt "crumbles" have been removed but the patch continues to deteriorate. 5/8-5/15/07	Continue to remove asphalt as it breaks up along the roadway until area can be repaved. 3/27-5/15/07 Repave as soon as possible as the	Needs regular maintenance.

Areas of Inspection	Observation	Recommended Action	Corrected Action
		patch is deteriorating. 4/17-5/15/07	
	Exposed soil and excess fill material were noted on the overhead ROW near the transition point. 4/3-5/15/07	Remove or place controls around the extra materials and temporarily stabilize the soil here. 4/3-5/15/07	Needs attention
Inland Wetland and Watercourse encroachment and mitigation	Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 3/7/07	Approved work in wetlands will follow the permit guidelines. 5/22/07	NA
	Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 5/22/07	This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 5/22/07	Needs to be monitored
Carpenter Ln. to Rte 68	Timber mat staging areas in place within wetlands off Carpenter Ln. and several foundations were being installed. Sediment was noted within controls, accumulating at the wetland edge. 5/8-5/22/07	Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off 5/8- 5/22/07	Needs attention.
	Turbid run-off at the wetland crossing south of the High Hill Rd entrance was not an issue this week but is a problem during heavy rains. 5/22/07	Continue to replace/ reinforce the controls and monitor wetlands for impacts See erosion control section. 5/22/07	Continue to evaluate
	Timber mats used to cross a small stream and access wetlands. A culvert and permanent road will be installed. 5/22/07	Monitor controls and add more as needed. The culvert construction will have to be controlled carefully. 5/22/07	NA at this time.
Liney Hall Ln.	A pad and road are proposed in the wetland 5/22/07	Monitor controls and add more as needed. The pad construction will have to be controlled carefully 5/22/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd.	Exposed soil remains adjacent to wetlands off Williams Rd. after timber mats were removed. 5/8-5/22/07	See erosion control section. Controls are needed here. 5/8-5/22/07	Needs attention
Powers Rd. & Woodhouse Ave.	A timber/corduroy road is being used to cross wetlands for new clearing off Powers Rd. 5/22/07	See erosion control section. 5/22/07	NA
Woodhouse Ave.; Harrison Rd.	Clearing within wetlands here was done by hand and trees were winched out to reduce impacts to wetlands. 5/22/07	Continue reducing impacts to wetlands to the extent feasible. Retain as much vegetation as possible for stabilization 5/22/07	Clearing was performed using low impact techniques.
Pond Hill Rd.	New clearing through two wetlands and a small pond with egg masses and tadpoles. Turbid water noted in pond from equipment. 5/22/07	See erosion control and access road sections. 5/22/07	Needs evaluation and attention.
State species of concern, threatened and endangered species. Williams Rd to East Center St.: Stoney Brook Rd.	According to the D&M plans, a potential vernal pool is located here and should have orange construction fencing installed, at a 25-foot buffer zone, for a visual work limit. 5/8-5/22/07	Identify the vernal pool and surround it with construction fence, at the 25-foot buffer line. 5/8-5/22/07	Needs attention and evaluation.
Liney Hall Rd; Pond Hill Rd.	Several frog and salamander egg masses were noted within a pool located off Liney Hall Ln. Tadpoles and egg masses were noted in a pool off Pond Hill. This is not a state listed species issue but indicates good amphibian breeding habitat. 5/22/07	Prevent turbidity and direct impacts to these areas to the extent feasible. 5/22/07	NA
	According to the D&M plan, state-listed species are not located in the current work areas. However, an Eastern box turtle was accidentally crushed by equipment in the new ROW clearing off	Now that the Eastern box turtle has been discovered in this area, it should receive the same attention as known protected habitat area along the ROW. Sweeps for turtles should be	The turtle observation was reported appropriately and sweeps should now be performed.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Woodhouse Ave. (5/8/07) This area was not marked as a potential area for Eastern box turtles according to the D&M plan, DEP response letter and NDDB website. 5/22/07	performed regularly in this area before equipment progresses. 5/22/07	
Vegetative clearing or stabilization Most work areas	Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing, 5/22/07	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. 5/22/07	NA
Liney Hall Ln.	No additional clearing was noted in this section this week 5/22/07	None at this time 5/22/07	NA
Williams Rd to East Center St.	Clearing is largely complete within/ adjacent to wetlands. Trees are being removed from the site. Some areas of exposed soil need controls. 5/22/07	Continue retain appropriate vegetation as applicable. Add controls as needed within wetlands. See erosion control section 5/22/07	Needs evaluation and attention
Powers Rd.; Pond Hill Rd.	New clearing is occurring within and adjacent to wetlands, and wetland crossings are necessary in these areas. 5/22/07	See erosion control section. Continue to use low impact techniques in these areas. 5/22/07	Needs evaluation/attention
Woodhouse Ave.; Harrison Rd.	Clearing for new ROW was complete in this section along a very steep slope adjacent to a stream. Low impact clearing techniques were used in sensitive areas and some exposed areas were seeded and mulched. 5/22/07	Monitor for vegetative cover on the steep slope. Continue to reduce impacts to the stream and to the turtle habitat. See wetland section for more detail. 5/22/07	Good low impact clearing methods were used in the wetland and the adjacent slope was mulched.
Dewatering	Dewatering was required at the foundations installed south of Carpenter Ln. and will be required when pouring the final foundation. Some slurry did migrate to the line of controls at the wetland. 5/8-5/22/07	Monitor dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-5/22/07	Needs evaluation and attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	No blasting is proposed. 5/22/07	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. Small leaks have been noted in several work areas along the ROW. 5/22/07	Always use spill control materials when working on equipment and during refueling. Replace as needed. Check equipment daily for leaks and fix as soon as possible. 5/22/07	Small leaks have been noted in a few locations along the ROW.
Old Farms Rd. (Equipment Storage Area)	The storage yard for the underground work off Old Farms Rd. is no longer active 5/22/07	If storage yard will no longer be used, remove silt fence and small asphalt stockpile. 5/2-5/22/07	Area should be restored
Additional Observations	A landowner off Williams Rd. removed stumps, graded land, and has created several soil stockpiles including one with debris within and around wetlands. (The landowner has his own equipment.) Small drips from this equipment were also noted. 5/22/07	None. Noted for the record. 5/22/07	NA – Non jurisdictional to this project
	An area identified with potential historical/cultural significance is located off Durham Rd. Soils cannot be disturbed here. 5/15/07	Access road construction here included careful stone installation, and avoided grading, 5/8/07	Continue to monitor

Next likely scheduled	
inspection:	Wednesday May 30, 2007

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:	Matthew Creighton, BSC Group	
Reviewer:	Diana Walden, BSC Group	



The foundation is in place within the wetland edge off Carpenter Lane. Place a filter sock between the exposed soil and the undisturbed portion of the wetland.



Shury and sediment from a foundation had reached the edge of the and accumulated here against the haybales. Sediment over 2" deep should be carefully removed from the wetland by hand.



New pad site installed upgradient from a wetland crossing off High Hill Rd. Controls should be installed to contain exposed soil where needed.



Williams Rd. ROW. The grading work noted here was performed by the landowner.



Wetland crossing using timber/corduroy off Powers Road.



Looking toward Woodhouse Ave., new mulch placed on a steep slope upgradient from wetlands and Eastern box turtle habitat.



View of clearing off Harrison Rd. along a steep slope upgradient from a wetland. Hay and seed were placed along the slope



New clearing and small pool crossing off Pond Hill Rd. Controls and approved crossing method are needed.