

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 8, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.18” of precipitation was recorded in the week prior to inspection, with 0.18” on 5/2 (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. 5/8/07	See Erosion Control Section for more details 5/8/07	Not applicable (NA)
Carpenter Ln. to Rte 68	No sediment tracking was noted along Carpenter Lane, High Hill Rd., or Rte. 68. A stone entrance was in place off Carpenter Ln. 5/8/07	Clean/sweep High Hill Road, Route 68, and Carpenter Lane regularly. Continue to monitor areas for tracking and clean/refresh the stone as needed. 5/8/07	NA
	South of Carpenter Ln, the sections of timber mats placed by clearing crews at the small stream crossings have been removed. Timber mat & stone staging areas remain within wetlands. 5/8/07	Add controls as needed along the wetlands See the erosion control section. 5/8/07	The timber mat crossings were removed from the streams.
	Access road from High Hill Rd. was extended toward Carpenter Ln. with a culvert installed at a small stream crossing to reach several new pad sites. 5/8/07	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. 5/8/07	NA at this time.
Williams Rd. to East Center St., Stony Brook Rd.	Minor sediment tracking (dust) was noted at the access off Stony Brook Rd. 5/2-5/8/07	Clean/sweep roadway as needed during construction. 5/8/07	Needs regular attention.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Access road and pad sites installed moving north from Stony Brook Rd. Exposed soil at Williams Rd. crossing did not appear to be fully contained adjacent to a wetland area. 5/8/07</p>	<p>Add controls as needed to protect the undisturbed portion of the adjacent wetland. See erosion control section. 5/8/07</p>	<p>Needs attention</p>
<p>S. Turnpike + Merritt Parkway Area; Mansion Rd.; Powers Rd. & Woodhouse Ave.; Liney Hall Ln.</p>	<p>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. 5/8/07</p>	<p>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. 5/8/07</p>	<p>NA</p>
<p>Durham Rd.</p>	<p>Active access road/stone installation was noted here. 5/8/07</p>	<p>Install appropriate controls as necessary. 5/8/07</p>	<p>NA</p>
<p>Mansion Rd. Apple Orchard</p>	<p>Plywood is being used to reduce impact to the driveways crossing the ROW from equipment crossing. Two driveways have some minor marks from equipment. 12/27/06-5/8/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-5/8/07</p>	<p>NA</p>
<p>Old Farms Road</p>	<p>Run-off from the low, saturated spot (filled during access road construction) was clear during this inspection. However, in the past, turbid run-off has been observed reaching Old Farms Rd and entering a CB, flowing directly to receiving wetlands off-site. 5/8/07</p>	<p>Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-5/2/07 Evaluate whether pre-existing drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-5/8/07</p>	<p>No immediate issues; needs future evaluation and attention.</p>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Some loose asphalt “crumbling” is still noted at the trench patch but looks better. Small potholes have developed with the recent rains. (Noted since 4/24) The patch continues to deteriorate. 5/8/07</p>	<p>Arrangements to re-pave and finish the road surface should be made as soon as feasible. Continue to clean loose asphalt until area can be properly repaved. 4/24-5/8/07</p>	<p>Needs regular attention and evaluation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Foundation and site construction	Temporary/permanent pole installation, drilling access road construction and clearing are occurring in some areas along the project route. 5/8/07	None. 5/8/07	NA
Carpenter Lane (south) High Hill Rd.	Three foundations have been drilled within or adjacent to wetlands south of Carpenter Ln. Concrete has been poured at two of the three sites. 5/8/07	Exposed soil is not fully contained. See erosion control & access road section. 5/8/07	NA.
Durham Rd.	Access road being installed during the inspection. 5/8/07	See erosion control and access road sections. 5/8/07	NA.
Liney Hall Lane	No new work noted since tree removal occurred. 5/8/07	See erosion control section. 5/8/07	NA
Williams Rd to East Center St.	Clearing and stockpiling timber complete for now. Exposed soil is present. 5/8/07	Add controls as needed. See erosion control section. 5/8/07	NA
Powers Rd. & Woodhouse Ave.	Poles were installed and line transfer was complete off Powers Rd. 5/8/07	See erosion control section. 5/8/07	NA.
S. Turnpike + Merritt Parkway Area	New ROW clearing occurring moving southwest off Woodhouse Ave. 5/8/07	See erosion control & state-listed species sections. 5/8/07	NA
S. Turnpike + Merritt Parkway Area	No new work was noted off South Turnpike. 5/8/07	See erosion control section. 5/8/07	NA
Mansion Rd. Apple Orchard	Access roads and staging areas are in place. 5/8/07	See access roads section. 5/8/07	NA
Old Farms Rd. (115kV Underground trench-work)	Chain link fencing remains in place as a protective measure around an open pit left at the location where the underground line will eventually transition to overhead. 5/8/07	Monitor and maintain fence as needed. 5/8/07	NA

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<p>Erosion and sediment controls</p> <p>High Hill Rd. to Rt. 68</p>	<p>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. 5/8/07</p> <p>Some mulch, hay, and silt fence remain in place to help prevent erosion on the steep slopes of the graded staging areas. Hydroseed was also applied to exposed areas. 5/8/07</p> <p>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. 5/8/07</p>	<p>Inspect and maintain silt fence/haybales as needed. Remove/replace existing degraded controls and monitor for run-off. 4/20-5/8/07</p> <p>Monitor for vegetative cover and adjust controls as needed. 5/8/07</p> <p>Remove slurry/sediment from wetlands where it is greater than 2" deep and restore the area to promote vegetative cover. 5/8/07</p>	<p>Needs evaluation and attention.</p> <p>Hydroseed also applied to exposed areas.</p> <p>Needs evaluation/attention.</p>
<p>Durham Rd.</p>	<p>Haybales in place along wetland near site entrance. No run-off noted. 5/8/07</p>	<p>Monitor and add controls as needed. 5/8/07</p>	<p>NA</p>
<p>Liney Hall Ln.</p>	<p>Fiber rolls remain along the stream here where timber mats had been removed. 5/8/07</p>	<p>Monitor and add controls as needed. 5/8/07</p>	<p>NA</p>
<p>Williams Rd to East Center St.</p>	<p>Some timber mats and silt 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. 4/17-5/8/07</p> <p>Exposed soil remains</p>	<p>Remove sediment build up from controls and add controls as needed to encompass all exposed soil. 5/8/07</p> <p>Add appropriate controls</p>	<p>Needs evaluation</p> <p>NA</p> <p>Needs attention</p>

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	<p>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. 5/2-5/8/07</p>	<p>between the exposed soil and the undisturbed portion of wetlands. 5/8/06</p>	
	<p>According to the D&M plans, a potential vernal pool is located in this area. 5/8/07</p>	<p>See state listed species section for more details. 5/8/07</p>	<p>Needs evaluation and attention.</p>
<p>Powers Rd. & Woodhouse Ave.</p>	<p>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 4/3-5/8/07</p>	<p>Monitor and maintain controls. Add controls as needed. 4/3-5/8/07</p>	<p>Needs some proactive attention</p>
	<p>Clearing was occurring adjacent to wetlands along a steep slope off Woodhouse Ave. 5/8/07</p>	<p>As soil is exposed, add controls to protect wetland and carefully monitor the area. 5/8/07</p>	<p>NA at this time.</p>
	<p>A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers. 5/8/07</p>	<p>Monitor controls for effectiveness. Clean sediment from riprap as needed. 5/8/07</p>	<p>NA</p>
<p>S. Turnpike + Merritt Parkway Area</p>	<p>The slope did not have any new erosion issues. The silt fence along the base of slope remains intact. 5/8/07</p>	<p>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 5/8/07</p>	<p>NA</p>
<p>Mansion Rd.</p>	<p>An existing riprap slope and culvert are present near the entrance from the road. Controls remain intact. 5/8/07</p>	<p>Continue to monitor and adjust controls in this area. Remove sediment as needed. Evaluate whether a run-off diversion is needed. 5/8/07</p>	<p>Continue to evaluate.</p>
<p>Mansion Rd. Apple Orchard</p>	<p>Small sections of silt fence are in place strategically at run-off points and near wetlands.</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove</p>	<p>Needs regular maintenance.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd.</p> <p>Old Farms Rd. (Equipment Storage Area)</p> <p>Old Farms Rd. (115kV Underground work)</p>	<p>Run-off was contained by controls. Some sections need minor repair and sediment accumulation was noted. 3/13-5/8/07</p> <p>Silt fence is in place and intact on one side of the access drive and near the stone pads in saturated areas. Run-off has the potential to reach off-site wetlands but flow was clear at this inspection. 5/8/07</p> <p>The equipment storage yard off Old Farms Rd. no longer appears active. Silt fence is in disrepair in some spots. 4/17-5/8/07</p> <p>Roadway was recently swept and most of the asphalt “crumbles” have been removed but the patch continues to deteriorate. 5/8/07</p> <p>Exposed soil and excess fill material were noted on the overhead ROW near the transition point. 4/3-5/8/07</p>	<p>sediment when feasible. 2/21-5/8/07</p> <p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-5/8/07 It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands in the past. 2/21-5/8/07</p> <p>If work will not return, remove the silt fence and any remaining construction materials 4/17-5/8/07</p> <p>Continue to remove asphalt as it breaks up along the roadway until area can be repaved. 3/27-5/8/07 Repave as soon as possible as the patch is deteriorating. 4/17-5/8/07</p> <p>Remove or place controls around the extra materials and temporarily stabilize the soil here. 4/3-5/8/07</p>	<p>Needs to be monitored</p> <p>No immediate issues, but needs evaluation and attention.</p> <p>Needs attention when feasible.</p> <p>Needs regular maintenance.</p> <p>Needs attention</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Carpenter Ln. to Rte 68</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 3/7/07</p> <p>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. 5/8/07</p> <p>Turbid run-off at the wetland crossing south of</p>	<p>Approved work in wetlands will follow the permit guidelines. 5/8/07</p> <p>Add controls as needed in this area. Remove sediment from wetlands before removing controls. Monitor for run-off. 5/8/07</p> <p>Continue to replace/ reinforce the controls and</p>	<p>NA</p> <p>Needs attention.</p> <p>Continue to evaluate</p>

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<p>Liney Hall Ln.</p> <p>Williams Rd to East Center St.; Stony Brook Rd.</p> <p>Powers Rd. & Woodhouse Ave.</p>	<p>the High Hill Rd entrance was not an issue this week but is a problem during heavy rains. 5/8/07</p> <p>Timber mats used to cross a small stream and access wetlands. A culvert and permanent road will be installed. 5/8/07</p> <p>A pad and road are proposed in the wetland 5/8/07</p> <p>Exposed soil remains adjacent to wetlands off Williams Rd. after timber mats were removed. 5/8/07</p> <p>Clearing was occurring along a stream and a steep slope off Woodhouse Ave. 5/8/07</p> <p>Structure work directly in wetlands off Powers Rd is permitted. 5/8/07</p>	<p>monitor wetlands for impacts See erosion control section. 5/8/07</p> <p>Monitor controls and add more as needed. The culvert construction will have to be controlled carefully 5/8/07</p> <p>Monitor controls and add more as needed. The pad construction will have to be controlled carefully 5/8/07</p> <p>See erosion control section. Controls are needed here. 5/8/07</p> <p>Retain as much vegetation as possible for stabilization and install controls as soon as soil is disturbed. 5/8/07</p> <p>See erosion control section. Add controls as needed. 5/8/07</p>	<p>NA at this time</p> <p>NA</p> <p>Needs attention</p> <p>Needs evaluation</p> <p>NA</p>
<p>State species of concern, threatened and endangered species.</p> <p>Woodhouse Ave.</p> <p>Liney Hall Rd.</p>	<p>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 Woodhouse Ave. This area was not marked as a potential area for Eastern box turtles according to the D&M plan, DEP response letter and NDDDB website. 5/8/07</p> <p>Several frog and salamander egg masses were noted within a pool located off Liney Hall Ln. 5/9/07</p>	<p>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 performed regularly in this area before equipment progresses. 5/8/07</p> <p>Prevent turbidity and direct impacts to this area to the extent feasible. 5/9/07</p>	<p>The turtle observation was reported appropriately and sweeps should now be performed.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd to East Center St.	<p>located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 5/8/07</p> <p>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. 5/8/07</p>	<p>5/8/07</p> <p>Identify the vernal pool and surround it with construction fence, at the 25-foot buffer line. 5/8/07</p>	Needs attention and evaluation.
<p>Vegetative clearing or stabilization</p> <p>Most work areas</p> <p>Liney Hall Ln.</p> <p>Williams Rd to East Center St.; Stoney Brook Rd.</p> <p>Woodhouse Ave.</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing. 5/2/07</p> <p>No additional clearing was noted in this section this week. 5/8/07</p> <p>Clearing is largely complete within/ adjacent to wetlands. Trees are being removed from the site. Some areas of exposed soil need controls. 5/8/07</p> <p>Exposed soils along the Stoney Brook Rd. section were being hydroseeded. 5/8/07</p> <p>Clearing for new ROW was moving southwest along the railroad tracks. The clearing is along a very steep slope adjacent to a stream. 5/8/07</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. 5/8/07</p> <p>None at this time 5/8/07</p> <p>Continue retain appropriate vegetation as applicable. Add controls as needed within wetlands. See erosion control section. 5/8/07</p> <p>Continue to stabilize work areas whenever feasible. 5/8/07</p> <p>Retain as much of the natural vegetation as possible and add controls to prevent erosion on the steep slope. Reduce impacts to the stream and to the turtle habitat. 5/8/07</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation</p> <p>Hydroseed was being applied.</p> <p>NA at this time.</p>
Dewatering	Dewatering was required at the foundations installed south of Carpenter Ln. and will be required when pouring the final foundation.	Monitor dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion	Needs evaluation

Areas of Inspection	Observation	Recommended Action	Corrected Action
	Some slurry did migrate to the line of controls at the wetland. 5/8/07	control section. 5/8/07	
Blasting	No blasting is proposed. 5/8/07	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 5/8/07	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. 5/8/07	NA
Old Farms Rd. (Equipment Storage Area)	The storage yard for the underground work off Old Farms Rd. is no longer active. 5/8/07	If storage yard will no longer be used, remove silt fence and small asphalt stockpile. 5/2-5/8/07	Area should be restored
Additional Observations	As temperatures warm, consider seeding disturbed areas along the ROW that will not require further work in the near future. 5/8/07	Identify disturbed areas along the ROW that can be temporarily stabilized and seed as needed. 5/8/07	Needs evaluation
	An area identified with potential historical/cultural significance is located off Durham Rd. Soils cannot be disturbed here. 5/8/07	Access road construction here includes careful stone installation, and avoids grading. 5/8/07	Continue to monitor

Next likely scheduled inspection:

Tuesday May 15, 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



New foundation was installed within the wetland edge off Carpenter Lane. Place a filter sock between the exposed soil and the undisturbed portion of the wetland.



Slurry 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.



Wetland crossing off Williams Rd. Controls are needed to contain the disturbed soil and prevent run-off to the wetland.



Crews were preparing to hydroseed exposed soil north of Stony Brook Road.



Controls and timber mats off Powers Road.



Clearing new ROW off Woodhouse Avenue on a steep slope adjacent to wetlands and previously unidentified Eastern box turtle habitat. Crews should now treat the area as habitat and perform turtle sweeps prior to equipment movement.



An area of adjacent exposed soil and leftover fill is located in the overhead ROW off Old Farms Rd. Extra material should be removed or controlled and the disturbed area should be stabilized.



The asphalt patch along the trench along Old Farms Road is deteriorating and asphalt continues to crumble and accumulate along the roadway. Crews should finalize this surface as soon as feasible.