

**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 2, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** 1.88” of precipitation was recorded in the week prior to inspection, with 1.65” on 4/27 (NOAA data at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b>	<b>Timber mats are in place at wetland crossings and staging areas. 5/2/07</b>	<b>See Erosion Control Section for more details 5/2/07</b>	<b>Not applicable (NA)</b>
<b>Carpenter Ln. to Rte 68</b>	<b>No sediment tracking was noted along Carpenter Lane, High Hill Rd., or Rte. 68. A new stone entrance has been installed off Carpenter Ln. 5/2/07</b>	<b>Clean/sweep High Hill Road, Route 68, and Carpenter Lane regularly. Continue to monitor areas for tracking and clean/refresh the stone as needed. 5/2/07</b>	<b>Stone entrance was installed.</b>
	<b>South of Carpenter Ln, a few sections of timber mats placed by clearing crews remain at a small stream crossing. Access road construction is complete. 5/2/07</b>	<b>Add controls as needed along the wetlands and during access road construction. 5/2/07</b>	<b>NA</b>
<b>Williams Rd. to East Center St., Stony Brook Rd.</b>	<b>Minor sediment tracking was noted at the accesses off Williams Rd. and Stony Brook Rds. 5/2/07</b>	<b>Clean/sweep roadway as needed during construction. 5/2/07</b>	<b>Needs regular attention.</b>
	<b>Mats were removed from the stream crossing and the adjacent disturbed soil has been mulched. 5/2/07</b>	<b>Area is temporarily stable. 5/2/07</b>	<b>Mats were removed and disturbed soil was mulched.</b>
	<b>Access road construction is occurring. Exposed fill</b>	<b>Controls may need to be extended to contain all</b>	<b>Needs evaluation.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>S. Turnpike + Merritt Parkway Area; Mansion Rd. (and Apple Orchard); Powers Rd. &amp; Woodhouse Ave.; Durham Rd.; Liney Hall Ln.</p> <p>Old Farms Road</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>was being placed but did not appear to be fully contained. 4/24-5/2/07</p> <p>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. 5/2/07</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. 12/27/06-5/2/07</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. 5/2/07</p> <p>Some loose asphalt “crumbling” is still noted at the trench patch but the roadway was swept last week. Small potholes have developed with the recent rains. 4/24-5/2/07</p>	<p>exposed soil. See Erosion control section. 4/24-5/2/07</p> <p>Clean/sweep roadway as needed during construction. 5/2/07</p> <p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-5/2/07</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. 2/21-5/2/07</p> <p>Arrangements to re-pave should be made as soon as feasible. Continue to clean loose asphalt until area can be properly repaved. 5/2/07</p>	<p>NA</p> <p>NA.</p> <p>No immediate issues; needs future evaluation and attention.</p> <p>Needs regular attention.</p>
<p>Foundation and site construction</p> <p>Carpenter Lane (south) High Hill Rd.</p>	<p>Temporary/permanent pole installation, old pole removal, drilling, access road construction and clearing are occurring in some areas along the project route. 5/2/07</p> <p>Several foundations were being drilled south of Carpenter Ln, including one at the edge of the</p>	<p>None. 5/2/07</p> <p>See erosion control &amp; access road section. 5/2/07</p>	<p>NA</p> <p>NA.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Durham Rd.	<p>wetland. New line work was also observed. 5/2/07</p> <p>Minor clearing and preparation for drilling is complete. 5/2/07</p>	See erosion control section. 5/2/07	NA
Liney Hall Lane	Only tree removal at this time. Timber mats were removed from the stream crossing. 5/2/07	See erosion control section. 5/2/07	NA.
Williams Rd to East Center St., Stony Brook Rd.	Clearing and stockpiling timber continues. Tree removal was also in progress at wetlands off Williams Rd access. 5/2/07	See erosion control section regarding turbid run-off here. 5/2/07	Needs attention.
Powers Rd. & Woodhouse Ave.	Pole installation and line work was underway. Several structures are in place. 5/2/07	See erosion control section. 5/2/07	NA.
S. Turnpike + Merritt Parkway Area	No new work was noted off South Turnpike. 5/2/07	See erosion control section. 5/2/07	NA
Mansion Rd. Apple Orchard	Access roads and staging areas are in place. 5/2/07	See access roads section. 5/2/07	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. 5/2/07	Monitor and maintain fence as needed. 5/2/07	NA
<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. 5/2/07</p> <p>Some silt fence and</p>	<p>Inspect and maintain silt fence/haybales as needed. Remove/replace existing degraded controls and monitor for run-off. 4/20-5/2/07</p> <p>Monitor for erosion and</p>	<p>Needs evaluation and attention.</p> <p>NA.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>additional mulch are in place to help prevent erosion on exposed slopes. 5/2/07</b></p> <p><b>Controls were added within wetlands at staging areas south of Carpenter Ln. The minor amounts of sediment produced by the drilling were being filtered and turbid run-off was not an issue at the wetland. 5/2/07</b></p>	<p><b>run-off issues and adjust controls and seed as needed. 5/2/07</b></p> <p><b>Continue to add or adjust controls as needed and monitor the wetland area carefully for sediment. 5/2/07</b></p>	<p><b>Turbidity was not an issue, even with drilling at the wetland edge.</b></p>
Durham Rd.	<p><b>Haybales in place along wetland near site entrance. No run-off noted. 5/2/07</b></p>	<p><b>Monitor and add controls as needed. 5/2/07</b></p>	<p><b>NA.</b></p>
Liney Hall Ln.	<p><b>Fiber rolls remain at the edge of the timber mats. Timber mats were removed from the stream crossing now that wetland clearing was complete. 5/2/07</b></p>	<p><b>Monitor and add controls as needed, especially along the pad site within the wetlands to protect the Muddy River. 5/2/07</b></p>	<p><b>NA.</b></p>
Williams Rd to East Center St., Stony Brook Rd	<p><b>Much of the appropriate vegetation and woody debris off Stony Brook Rd was preserved to prevent erosion. 5/2/07</b></p> <p><b>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. 4/17-5/2/07</b></p> <p><b>Timber mats were removed from the stream crossing north of Stony Bk. Rd. The ruts noted here last week were graded and mulched with hay. 5/2/07</b></p>	<p><b>Continue to make efforts to retain vegetation for erosion control as clearing continues. 5/2/07</b></p> <p><b>Remove sediment build up from controls and add controls as needed to encompass all exposed soil. 4/17-5/2/06</b></p> <p><b>The area was temporarily stabilized.5/2/07</b></p>	<p><b>NA</b></p> <p><b>Additional attention is needed.</b></p> <p><b>Ruts were graded and the area was stabilized.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Timber mats were removed from the Williams Rd access but turbid run-off was noted within the wetlands here. Controls were not observed between the wetland and the cleared area. 5/2/07</p>	<p>Controls are needed at the wetlands off Williams Rd. to prevent turbid run-off. 5/2/06</p>	<p>Needs evaluation and attention.</p>
<p>Powers Rd. &amp; 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. 4/3-5/2/07</p>	<p>Monitor and maintain controls. Add controls as needed. 4/3-5/2/07</p>	<p>Needs some attention.</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. 5/2/07</p>	<p>Monitor controls for effectiveness. Clean sediment from riprap as needed. 5/2/07</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. 5/2/07</p>	<p>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 5/2/07</p>	<p>NA</p>
<p>Mansion Rd.</p>	<p>An existing riprap slope and culvert are present near the entrance from the road. Controls here remain intact. 5/2/07</p>	<p>Continue to monitor and adjust controls in this area. Clean sediment as needed. Evaluate whether a run-off diversion is needed. 5/2/07</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. Some sections need minor repair and sediment accumulation was noted. 3/13-5/2/07</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-5/2/07</p>	<p>Needs regular maintenance.</p>
<p>Old Farms Rd.</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</p>	<p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-5/2/07 It appears a diversion is</p>	<p>Needs to be monitored</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd. (Equipment Storage Area)</p> <p>Old Farms Rd. (115kV Underground work)</p>	<p>potential to reach off-site wetlands but flow was clear at this inspection. 5/2/07</p> <p>The equipment storage yard off Old Farms Rd. no longer appears active. Silt fence is in disrepair in some spots. 4/17-5/2/07</p> <p>Roadway was swept last week and most of the asphalt “crumbles” have been removed but the patch continues to deteriorate. 5/2/07</p> <p>Exposed soil and excess fill material were noted on the overhead ROW near the transition point. 4/3-5/2/07</p>	<p>needed especially as turbid run-off has been observed reaching wetlands in the past. 2/21-5/2/07</p> <p>If work will not return, remove the silt fence and any remaining construction materials 4/17-5/2/07</p> <p>Continue to remove asphalt as it breaks up along the roadway until area can be repaved. 3/27-5/2/07 Repave as soon as possible as the patch is deteriorating. 4/17-5/2/07</p> <p>Remove or place controls around the extra materials and temporarily stabilize the soil here. 4/3-5/2/07</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>Liney Hall Ln.</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 3/7/07</p> <p>New timber mat staging areas installed within wetlands off Carpenter Ln. Foundation drilling includes permitted wetland impacts. No sediment was noted leaving the site. 5/2/07</p> <p>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. 5/2/07</p> <p>Timber mats were removed from the small stream crossing. A pad and road are proposed in</p>	<p>Approved work in wetlands will follow the permit guidelines. 5/2/07</p> <p>Continue to adjust controls as needed in this area. Monitor for run-off. 5/2/07</p> <p>Continue to replace/reinforce the controls and monitor wetlands for impacts See erosion control section. 5/2/07</p> <p>Monitor controls and add more as needed. The pad construction will have to be controlled carefully 5/2/07</p>	<p>NA</p> <p>Work in wetland was being handled appropriately.</p> <p>Continue to evaluate.</p> <p>NA.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Williams Rd to East Center St., Stony Brook Rd.</b></p> <p><b>Powers Rd. &amp; Woodhouse Ave.</b></p>	<p><b>the wetland 5/2/07</b></p> <p><b>Timber mats removed from stream crossing north of Stony Brook Rd. and from wetlands off Williams Rd. Some turbidity was noted here. 5/2/07</b></p> <p><b>Timber mats and stone pads remain along the ROW and edge of wetlands. Structure work directly in wetlands is permitted here. 5/2/07</b></p>	<p><b>5/2/07</b></p> <p><b>See erosion control section for more information. 5/2/07</b></p> <p><b>See erosion control section. Add controls as needed. 5/2/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p><b>According to the D&amp;M plan, state-listed species are not located in the current work areas. 5/2/07</b></p> <p><b>Several frog and salamander egg masses were noted within a pool located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 5/2/07</b></p>	<p><b>None 5/2/07</b></p> <p><b>Prevent turbidity and direct impacts to this area to the extent feasible. 5/2/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Vegetative clearing or stabilization</b></p> <p><b>Most work areas</b></p> <p><b>Liney Hall Ln.</b></p> <p><b>Williams Rd to East Center St.</b></p>	<p><b>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</b></p> <p><b>No additional clearing was noted in this section this week. 5/2/07</b></p> <p><b>Clearing is largely complete within/ adjacent to wetlands. Trees are being stockpiled and chipped. Appropriate vegetation is being retained where applicable. 5/2/07</b></p>	<p><b>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&amp;M plan. Be extremely mindful of the extent of clearing flags. 5/2/07</b></p> <p><b>None at this time. 5/2/07</b></p> <p><b>Continue to retain appropriate vegetation for stabilization. Continue to monitor areas and mulch/ temporarily stabilize as needed. Continue to avoid chipping in wetlands. 5/2/07</b></p>	<p><b>NA</b></p> <p><b>NA.</b></p> <p><b>NA</b></p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Dewatering</b>	<b>Active dewatering was not being performed at this time. 5/2/07</b>	<b>None</b>	<b>NA</b>
<b>Blasting</b>	<b>No blasting is proposed. 5/2/07</b>	<b>None</b>	<b>NA</b>
<b>Spills, soils and material storage</b>	<b>Spill control materials are being brought to sites when work is performed. 5/2/07</b>	<b>Always use spill control materials when working on equipment and during refueling. Replace as needed. 5/2/07</b>	<b>NA</b>
<b>Carpenter Lane.</b>	<b>The drips from the equipment with the broken line on the Carpenter Lane access road last week were cleaned. 5/2/07</b>	<b>Repair equipment as soon as possible. Add controls under leaking equipment as needed and continue to keep leaking equipment away from wetlands. 5/2/07</b>	<b>The drip spots were cleaned up.</b>
<b>Old Farms Rd. (Equipment Storage Area)</b>	<b>The storage yard for the underground work off Old Farms Rd. is no longer active. 5/2/07</b>	<b>If storage yard will no longer be used, remove silt fence and small asphalt stockpile. 5/2/07</b>	<b>Equipment was removed. Area should be restored</b>
<b>Additional Observations</b>	<b>As temperatures warm, consider seeding disturbed areas along the ROW that will not require further work in the near future. 5/2/07</b>	<b>Identify disturbed areas along the ROW that can be temporarily stabilized and seed as needed. 5/2/07</b>	<b>Needs evaluation</b>

**Next likely scheduled inspection:**

**Tuesday May 8, 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 drilling/line work was occurring across from Beseck SS off Carpenter Lane.**



**Closer view of drilling within the wetlands south of Carpenter Lane. No turbid run-off was noted and slurry appears to be contained.**



**Turbid run-off was noted off Williams Rd. Controls were needed to help filter or contain run-off.**



**Timber mats were removed from the stream crossing north of Stony Brook Road access adjacent to the wetlands. Mulch was also placed on disturbed soils.**



**Pole installation and line work off Woodhouse Ave.**



**View of timber mat pad constructed off Powers Rd with the adjacent rip rap swale. Continue to control and temporarily stabilize any areas of exposed soil.**



**Closer view of the recently installed structures off Powers Rd.**



**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.**