

**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:** March 6, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** Total of 2.64” rain recorded between 2/28- 3/6, with 2.61” of the total recorded on 3/2 (as reported by NOAA 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 South of Carpenter Ln.</b>	<b>New clearing and access road installation was noted this week within wetlands south of Carpenter Ln. and Beseck SS. A timber mat crossing was installed over a stream. 3/6/07</b>	<b>Add controls as needed along the wetlands and during access road construction. 3/6/07</b>	<b>Not applicable (NA) at this time.</b>
<b>High Hill Rd. to Rte 68</b>	<b>Timber mats are in place in a non-federally jurisdictional (NFJ) wetland crossing. Controls are degraded in this area. 3/6/07</b>	<b>See Erosion Control Section for more details 3/6/07</b>	<b>Needs attention</b>
	<b>Some minor sediment tracking was noted along High Hill Road. 3/6/07</b>	<b>Check construction entrance and clean/sweep High Hill Road, Route 68, and Carpenter Lane regularly. 3/6/07</b>	<b>Needs regular attention.</b>
<b>Williams Rd. to East Center St.; S. Turnpike + Merritt Parkway Area;</b>	<b>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. 3/6/07</b>	<b>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. 3/6/07</b>	<b>Not applicable (NA)</b>
<b>Mansion Rd.</b>	<b>Run-off has pooled at the ROW entrance leaving a small pile of sediment.</b>	<b>Haybales are present here. Continue to monitor and ensure that</b>	<b>Continue to monitor</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Mansion Rd. Apple Orchard</b></p>	<p><b>3/6/07</b></p> <p><b>No run-off noted. Well placed sections of silt fence appear to effectively filter any water. 3/6/07</b></p>	<p><b>run-off or ice does not reach the roadway. 2/21-3/6/07</b></p> <p><b>Adjust controls as needed along the access road. Monitor and maintain silt fence. 3/6/07</b></p>	<p><b>NA.</b></p>
<p><b>Old Farms Road</b></p>	<p><b>Plywood is being used to reduce impact to the driveways crossing the ROW from equipment crossing. Two driveways have some minor marks from equipment. 12/27/06-3/6/07</b></p> <p><b>The turbid run-off from the low, saturated spot (filled during access road construction) was frozen due to colder temperatures. However, during thaw, it has been observed reaching Old Farms Rd and entering a CB, flowing directly to receiving wetlands off-site. 3/6/07</b></p> <p><b>Run-off has previously been observed across and along several driveways to Old Farms Rd. 1/23-3/6/07 Thick ice was observed again across the driveway in the ROW as a result of run-off. Depending on whether turbid run-off is associated, this may either be an environmental or safety (ice) issue. 2/21-3/6/07</b></p>	<p><b>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-3/6/07</b></p> <p><b>Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-3/6/07 Evaluate whether pre-existing drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-3/6/07</b></p> <p><b>Consider installing temporary stormwater containment or diversion to prevent sheet flow across driveways and off-site. 1/23-3/6/07</b></p> <p><b>Diversion/containment seems necessary especially as turbid run-off has been observed reaching off-site wetlands. 2/21-3/6/07</b></p>	<p><b>Plywood is used to protect driveways from equipment damage (proactively).</b></p> <p><b>Needs evaluation and attention even though site is currently frozen</b></p> <p><b>Needs evaluation</b></p>
<p><b>Old Farms Rd. (115kV Underground trench-work)</b></p>	<p><b>Gutter buddies (filter socks) have been removed from most CBs for town plowing leaving some curb drop inlets open to run-off. Two CB liners (at town line) are also torn and need to be</b></p>	<p><b>Replace gutter buddies or provide alternative controls for drop inlets around town plowing needs. 2/21-3/6/07. Replace torn liners. 3/6/07</b></p>	<p><b>Needs attention</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>also torn and need to be replaced. 3/6/07</p> <p>A pile of sediment resulting from dewatering was left adjacent to an exposed CB. A combination of roadway sand and project related sediment had also accumulated along the gutter of Old Farms Rd. 3/6/07</p>	<p>Clean gutter more regularly by hand if necessary, rather than wait for the weekly sweeping. 2/21-3/6/07</p> <p>A street sweeper will need to attend to the pile and accumulated sediment. 3/6/07</p>	<p>A street sweeper is scheduled to clean the roadway every Friday but the area needs more regular attention.</p>
<p>Foundation and site construction</p> <p>High Hill Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p> <p>Mansion Rd. Apple Orchard</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Temporary/permanent pole installation, drilling access road construction and clearing are occurring in some areas along the project route. 3/6/07</p> <p>New line work appears complete for the time being. Clearing and access road installation was observed south of Carpenter Ln. 3/6/07</p> <p>No new work was noted off South Turnpike. 3/6/07</p> <p>Access roads and staging areas are in place. 3/6/07</p> <p>No active work was underway during this week's inspection. 3/6/07</p>	<p>None. 3/6/07</p> <p>See erosion control section. 3/6/07</p> <p>See erosion control section. 3/6/07</p> <p>See access roads section. 3/6/07</p> <p>See access road section. 3/6/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>
<p>Erosion and sediment controls</p> <p>South of Carpenter Ln.</p> <p>High Hill Rd. to Rt. 68</p>	<p>New clearing within wetlands off Carpenter Ln.; timber mats installed across small stream. No controls installed in this area. 3/6/07</p> <p>Silt fence and haybales adjacent to the wetland near High Hill Rd. entrance are in disrepair. Logs remain in place to reinforce the controls. 3/6/07</p>	<p>Add controls as needed if soils become disturbed or tracking is noted on the mats. Monitor area for run-off. 3/6/07</p> <p>Continue to monitor the area for run-off. Controls will need to be repaired when feasible. 3/6/07</p>	<p>Mats are in place. NA at this time.</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd to East Center St.	<p>3/6/07</p> <p>Some mulch and silt fence remain in place to help prevent erosion on the steep slopes of the graded staging areas. 3/6/07</p>	<p>Monitor for erosion and run-off issues and adjust controls as needed. 3/6/07</p>	<p>NA</p>
	<p>Haybales were replaced at the CB near the Rt 68 entrance to the ROW. 3/6/07</p>	<p>None. 3/6/07</p>	<p>Haybales were replaced.</p>
	<p>Silt fence and silt liners at CB near Stony Brook Rd. entrance appear secure. 3/6/07</p>	<p>Maintain as needed. 3/6/07</p>	<p>NA</p>
	<p>Much of the appropriate vegetation and woody debris off Stony Brook Road was preserved to prevent erosion. 3/6/07</p>	<p>Continue to make efforts to retain vegetation for erosion control when clearing resumes. 3/6/07</p>	<p>NA</p>
	<p>The slope did not have any new erosion issues. The silt fence along the base of slope remains intact. 3/6/07</p>	<p>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 3/6/07</p>	<p>NA</p>
Mansion Rd.	<p>An existing riprap slope and culvert are present near the entrance from the road. Haybales here remain intact but run-off from the ROW has pooled leaving a small pile of sediment along the roadway. 3/6/07</p>	<p>Continue to monitor and adjust controls in this area. Clean sediment as needed. Evaluate whether a run-off diversion is needed. 2/21-3/6/07</p>	<p>Needs evaluation.</p>
Mansion Rd. Apple Orchard	<p>Small sections of silt fence are in place strategically at run-off points and near wetlands. Run-off was not an issue this week due to colder temperatures. Some sections need minor repair and sediment accumulation was noted. 3/6/07</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and continue to remove sediment when feasible. 2/21-3/6/07</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>Silt fence is in place and intact on one side of the access drive and near the stone pads in saturated areas. Site is frozen and temporarily stable with no turbid run-off noted but it has the potential to reach off-site wetlands. 3/6/07</p> <p>The equipment storage yard off Old Farms Rd. looks good. A few small sections of silt fence need minor repair (re-stapling) as they have fallen off the stakes. 2/27-3/6/07</p> <p>Two small piles of sediment, left from dewatering, is combined with snow/ice and has the potential for turbid run-off to reach CB and nearby receiving wetland. (First pile noted 2/21/07) Due to colder temperatures this week, run-off was not observed. 3/6/07</p>	<p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-3/6/07</p> <p>It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands. 2/21-3/6/07</p> <p>Provide minor maintenance to the existing controls when feasible and adjust controls as needed. 2/27-3/6/07</p> <p>See access road section. CB controls need to be maintained until all sediment is removed from the site and disturbed areas have been stabilized. Replace controls as soon as possible and remove the remaining piles of sediment. 3/6/07</p>	<p>Needs to be monitored</p> <p>Needs evaluation and attention.</p> <p>Minor maintenance still needed.</p> <p>Needs attention.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 3/6/07</p> <p>Small NFJ wetlands or low spots are being accessed for crossing. 3/6/07</p> <p>Turbid run-off resulting from the underground work along Old Farms Rd. was not observed this week. Receiving wetlands along the roadway did not show signs of turbidity this week. 3/6/07</p> <p>New clearing within</p>	<p>Approved work in wetlands will follow the permit guidelines. 3/6/07</p> <p>Mats are in place where appropriate. 12/11/06-3/6/07 Ensure that drainage patterns are monitored.</p> <p>See access road and erosion control sections. Work out a schedule around the town to replace gutter buddies quickly after plowing. 2/21-3/6/07</p> <p>Continue to retain as</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation and attention</p> <p>Low impact clearing</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>wetlands in ROW off Carpenter Ln., south of Beseck SS, occurring and timber mats have been installed at a small stream crossing. Good efforts were noted to retain as much of the low-growing vegetation within and around the wetlands as possible. 3/6/07</p>	<p>much of the vegetation within and around the wetlands as possible. Add controls as needed. 3/6/07</p>	<p>techniques were noted in the wetland.</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&amp;M plan, state-listed species are not located in the current work areas. 3/6/07</p>	<p>None 3/6/07</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Clearing was occurring within the ROW south of Beseck SS; This includes areas of wetlands. Winches and hand felling were used in wetlands to reduce soil disturbance. 3/6/07</p> <p>Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing. 3/6/07</p>	<p>Continue to retain appropriate vegetation for stabilization. Continue to monitor areas and mulch/ temporarily stabilize as needed. Continue to avoid chipping in wetlands. 3/6/07</p> <p>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 3/6/07</p>	<p>Good low impact clearing methods were noted in the wetland.</p> <p>NA.</p>
<p>Dewatering</p>	<p>Active dewatering was not being performed at this time. Sediment accumulation was noted along the gutters off Old Farms Road, partly due to the project and partly due to roadway sand. 3/6/07</p>	<p>Clean sediment from the roadway, gutters and controls if dewatering activities are complete: remove by hand if necessary. 3/6/07</p>	<p>Roadway needs attention.</p>
<p>Blasting</p>	<p>No blasting is proposed. 3/6/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>Spill control materials are being brought to sites when work is performed. 3/6/07</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 3/6/07</p>	<p>NA</p>
<p>High Hill Rd. to Rt 68</p>	<p>Some wetland crossing timber mats are being</p>	<p>Continue to store equipment away from</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Old Farms Rd. (Equipment Storage Area)</b>	<b>timber mats are being stored off High Hill Rd. and used in access road construction. 12/11/06-3/6/07</b>	<b>equipment away from wetlands when possible. 3/6/07</b>	
	<b>A portable sanitary facility has tipped over on the ROW. The unit is away from wetlands. 3/6/07</b>	<b>Clean spill and secure the unit as soon as possible. Monitor locations of sanitary facilities and maintain an appropriate distance to wetlands. 3/6/07</b>	<b>Needs attention.</b>
	<b>Some trucks and equipment used for the underground work are being stored off Old Farms Rd. 3/6/07</b>	<b>Monitor controls and adjust as needed. Vehicles should be stored away from wetlands. 3/6/07</b>	<b>NA at this time.</b>
	<b>Portable sanitary facilities are located away from wetlands. 3/6/07</b>	<b>Sanitary facilities and hazardous materials should be stored away from wetlands and CB's. 3/6/07</b>	<b>NA</b>
<b>Additional Observations</b>	<b>Some non-project related debris dumping was noted at a few access points, including off Stony Brook Rd. and a pile of asphalt off Old Farms Rd. 11/27/06-3/6/07</b>	<b>None. Noted for the record. 3/6/07</b>	<b>NA</b>
	<b>Asphalt dumped within the ROW off Old Farms Road is being used in underground work. 3/6/07</b>	<b>None. 3/6/07</b>	<b>Proactively removing asphalt pile for aesthetics</b>

**Next likely scheduled inspection:**

**Tuesday March 13, 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



**ROW clearing and timber mat installation south of Beseck SS off High Hill Rd. Low vegetation was retained within the wetlands here appropriately. Controls may be needed if soil becomes disturbed.**



**Silt fence and haybales are degraded along the access road off High Hill Rd. Replace/maintain controls when feasible.**



**Clearing was occurring north of High Hill Rd. in the ROW moving toward Carpenter Lane and Beseck SS.**



**View of vegetation retained following low impact clearing south of Carpenter Ln and Beseck SS. The remaining vegetation will stabilize soils within the wetland.**

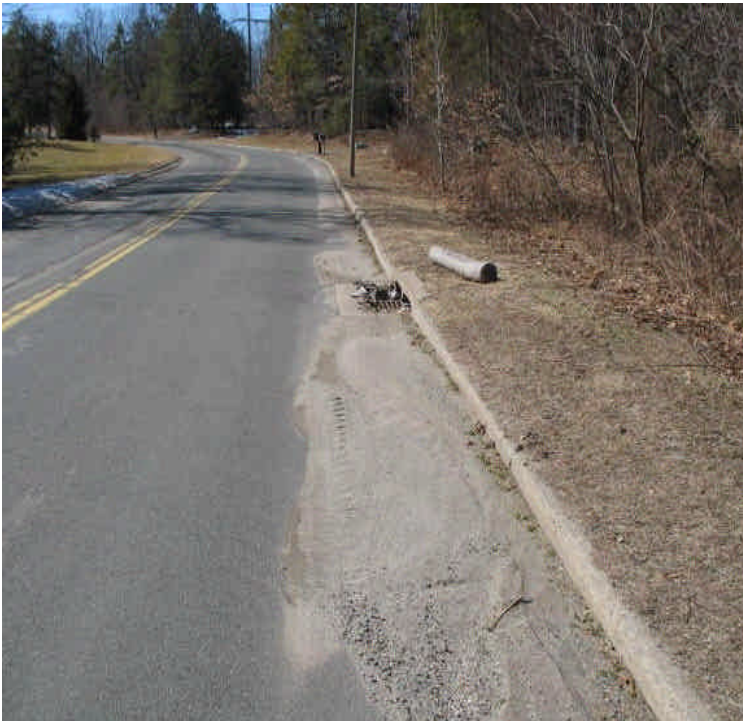




**Sediment accumulation was noted near some of the controls within the apple orchard off Mansion Rd. Pull back sediment to remove stress on the controls when needed.**



**A sediment pile noted near a CB following dewatering activities along Old Farms Rd. The curb cut inlet is exposed and the silt liner is torn here. Replace controls and remove sediment along the roadway.**



**View of a catch basin along Old Farms Rd. Liners are in place but gutter buddies were removed for town plowing last week. Replace as soon as feasible so the curb drop inlet is protected. Sediment accumulation on the road is a combination of road sand and project sediment. Regular sweeping should continue to occur.**



**View of one of the receiving wetlands/inlets along Old Farms Rd. Turbidity related to the project was not evident in the wetland at this time. However, issues have been noted during thaw periods. Continue to monitor.**