

**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:** April 3, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** 0.30" of precipitation was recorded in the week prior to inspection, with 0.26" of the total reported on 4/1 (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 Carpenter Ln. to Rte 68</b>	<b>Timber mats are in place in a non-federally jurisdictional (NFJ) wetland crossing. 4/3/07</b>	<b>See Erosion Control Section for more details 4/3/07</b>	<b>Not applicable (NA)</b>
	<b>No sediment tracking was noted this week along Carpenter Lane. 4/3/07</b>	<b>Clean/sweep High Hill Road, Route 68, and Carpenter Lane regularly. Consider installation of a stone construction entrance. 4/3/07</b>	<b>Carpenter Lane was free of sediment.</b>
	<b>Clearing and access road installation south of Beseck SS complete for now. A few sections of timber mats placed by clearing crews remain in place at a small stream crossing. 4/3/07</b>	<b>Add controls as needed along the wetlands and during access road construction. 4/3/07</b>	<b>NA</b>
<b>Williams Rd. to East Center St.; S. Turnpike + Merritt Parkway Area; Mansion Rd.;</b>	<b>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. 4/3/07</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. 4/3/07</b>	<b>NA</b>
<b>Powers Rd. &amp; Woodhouse Ave.</b>	<b>New access was gained to a structure pad on both sides of the roadways. Stone was installed in the</b>	<b>Stone in the area should prevent tracking to the roadway but continue to monitor. 4/3/07</b>	<b>NA</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Mansion Rd. Apple Orchard	<p>work area. 4/3/07</p> <p>No run-off noted. Well placed sections of silt fence appear to effectively filter any water. 4/3/07</p>	<p>Adjust controls as needed along the access road. Monitor and maintain silt fence. 4/3/07</p>	<p>NA</p>
Old Farms Road	<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. 12/27/06-4/3/07</p> <p>Run-off from the low, saturated spot (filled during access road construction) is currently clear. 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. 4/3/07</p> <p>Run-off has previously been observed across and along several driveways to Old Farms Rd. 1/23-4/3/07 Warming temperatures no longer result in the thick ice previously observed across the driveway. Depending on whether turbid run-off is associated, this may still be an environmental issue. 4/3/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-4/3/07</p> <p>Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-4/3/07 Evaluate whether pre-existing drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-4/3/07</p> <p>Consider installing temporary stormwater containment or diversion to prevent sheet flow across driveways and off-site. 1/23-4/3/07</p> <p>Diversion/containment seems necessary especially as turbid run-off has been observed reaching off-site wetlands. 2/21-4/3/07</p>	<p>Plywood is used to protect driveways from equipment damage (proactively).</p> <p>No immediate issues; needs future evaluation and attention.</p> <p>Needs evaluation</p>
Old Farms Rd. (115kV Underground trench-work)	<p>Trenching is complete for now and area has been stabilized. Some loose asphalt “crumbling” was noted at the trench patch. 3/27-4/3/07</p>	<p>Add controls as needed if work resumes in this area. Continue to clean loose asphalt until area can be properly repaved. 3/27-4/3/07</p>	<p>Area is not currently active.</p>
Foundation and site construction	<p>Temporary/permanent pole installation, drilling access road construction</p>	<p>None. 4/3/07</p>	<p>NA</p>

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<p><b>High Hill Rd.</b></p> <p><b>Powers Rd. &amp; Woodhouse Ave.</b></p> <p><b>S. Turnpike + Merritt Parkway Area</b></p> <p><b>Mansion Rd. Apple Orchard</b></p> <p><b>Old Farms Rd. (115kV Underground trench-work)</b></p>	<p><b>and clearing are occurring in some areas along the project route. 4/3/07</b></p> <p><b>New line work, clearing and roadwork appear complete for the time being. 4/3/07</b></p> <p><b>Stone was in place to reach work areas off both sides of the roadways. Six foundations were drilled and installed. 4/3/07</b></p> <p><b>No new work was noted off South Turnpike. 4/3/07</b></p> <p><b>Access roads and staging areas are in place. 4/3/07</b></p> <p><b>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. 4/3/07</b></p>	<p><b>See erosion control section. 4/3/07</b></p> <p><b>See erosion control section. 4/3/07</b></p> <p><b>See erosion control section. 4/3/07</b></p> <p><b>See access roads section. 4/3/07</b></p> <p><b>Monitor and maintain fence as needed. 4/3/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Erosion and sediment controls</b></p> <p><b>High Hill Rd. to Rt. 68</b></p>	<p><b>Silt fence and haybales adjacent to the wetland near High Hill Rd. entrance are in disrepair. (noted 3/6) However a line of new haybales remain in place to reinforce the controls. Logs also remain in place for support. 4/3/07</b></p> <p><b>Some mulch and silt fence remain in place to help prevent erosion on the steep slopes of the graded staging areas. 4/3/07</b></p> <p><b>Clearing is complete within wetlands off Carpenter Ln.; timber</b></p>	<p><b>Inspect and maintain silt fence/haybales as needed. Monitor area for run-off and adjust controls for containment. 4/3/07</b></p> <p><b>Monitor for erosion and run-off issues and adjust controls as needed. 4/3/07</b></p> <p><b>Add controls as needed if soils become disturbed or tracking is noted on the</b></p>	<p><b>NA.</b></p> <p><b>NA</b></p> <p><b>Minor maintenance needed.</b></p>

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	<p><b>mats remain across small stream. No controls were installed in this area. Haybales were left in wetlands by tree clearing crews for access 4/3/07</b></p>	<p><b>mats. Monitor area for run-off. 3/13-4/3/07 Remove haybales left in wetlands. 3/27-4/3/07</b></p>	
<p><b>Williams Rd to East Center St.</b></p>	<p><b>Silt fence and silt liners at CB near Stony Brook Rd. entrance appear secure. 4/3/07</b></p>	<p><b>Maintain as needed. 4/3/07</b></p>	<p><b>NA</b></p>
	<p><b>Much of the appropriate vegetation and woody debris off Stony Brook Road was preserved to prevent erosion. 4/3/07</b></p>	<p><b>Continue to make efforts to retain vegetation for erosion control when clearing resumes. 4/3/07</b></p>	<p><b>NA</b></p>
<p><b>Powers Rd. &amp; Woodhouse Ave.</b></p>	<p><b>Erosion controls were installed along the stone pad at the wetland edge off Woodhouse Ave. The installed stone is stressing the silt fence and a section of it was crushed. 4/3/07</b></p>	<p><b>Repair the fallen section of silt fence and pull back stone where feasible to reduce pressure on the fence. Work in the wetland will be necessary here. Monitor and maintain controls. 4/3/07</b></p>	<p><b>Needs attention.</b></p>
	<p><b>Silt fence was installed along the timber mats off Powers Rd. One section of the fence has been washed over. Minor sediment was noted in wetlands. Controls appear to contain most run-off. 4/3/07</b></p>	<p><b>The silt fence should be repaired and reinforced in this location. Carefully scrape up accumulated sediment if feasible. 4/3/07</b></p>	<p><b>Needs attention</b></p>
	<p><b>A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers. 4/3/07</b></p>	<p><b>Monitor controls for effectiveness. Clean sediment from riprap as needed. 4/3/07</b></p>	<p><b>Riprap channel added to control run-off.</b></p>
<p><b>S. Turnpike + Merritt Parkway Area</b></p>	<p><b>The slope did not have any new erosion issues. The silt fence along the base of slope remains intact. 4/3/07</b></p>	<p><b>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 4/3/07</b></p>	<p><b>NA</b></p>
<p><b>Mansion Rd.</b></p>	<p><b>An existing riprap slope and culvert are present</b></p>	<p><b>Continue to monitor and adjust controls in this</b></p>	<p><b>Continue to evaluate.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Mansion Rd. Apple Orchard	<p>near the entrance from the road. Haybales here remain intact but run-off from the access road pools here and leaves sediment along the roadway. 2/21-4/3/07</p> <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. Some sections need minor repair and sediment accumulation was noted. 3/13-4/3/07</p>	<p>area. Clean sediment as needed. Evaluate whether a run-off diversion is needed. No run-off noted at this time. 2/21-4/3/07</p> <p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-4/3/07</p>	Needs regular maintenance.
Old Farms Rd.	Silt fence is in place and intact on one side of the access drive and near the stone pads in saturated areas. Site is stable with no turbid run-off noted but it has the potential to reach off-site wetlands. 4/3/07	<p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-4/3/07</p> <p>It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands in the past. 2/21-4/3/07</p>	Needs to be monitored  No immediate issues but needs evaluation and attention.
Old Farms Rd. (Equipment Storage Area)	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. 2/27-4/3/07	Provide minor maintenance to the existing controls when feasible and adjust controls as needed. 2/27-4/3/07	Minor maintenance needed.
Old Farms Rd. (115kV Underground work)	<p>Roadway was cleaned and all sediment removed. Area appears stable. Minor amounts of asphalt “pebbles” were noted along the roadway as a result of the patch on the trench. 3/27-4/3/07</p> <p>Exposed soil and excess fill material were noted on the overhead ROW near the transition point. 4/3/07</p>	<p>Add controls as needed if work resumes in this area. Continue to remove asphalt as it breaks up along the roadway until area can be repaved. 4/3/07</p> <p>Remove extra materials and temporarily stabilize the soil here. 4/3/07</p>	Minor maintenance needed  Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p> <p><b>Carpenter Ln. to Rte 68</b></p> <p><b>Powers Rd. &amp; Woodhouse Ave.</b></p> <p><b>Old Farms Rd. (115kV Underground work)</b></p>	<p><b>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 3/7/07</b></p> <p><b>Small NFJ wetlands or low spots are being accessed for crossing. 4/3/07</b></p> <p><b>Clearing is complete within wetlands in ROW off Carpenter Ln., south of Beseck SS. Good efforts were noted to retain as much of the low-growing vegetation within and around the wetlands where possible. 4/3/07</b></p> <p><b>Additional haybales were also used by the clearing crews to stand on while removing trees within wetlands. These still remain in the wetland. 3/27-4/3/07</b></p> <p><b>Timber mats and stone pads have been installed along the roadway and edge of wetlands. Structure work directly in wetlands is permitted here. 4/3/07</b></p> <p><b>Receiving wetlands along the roadway did not show signs of turbidity this week. 4/3/07</b></p>	<p><b>Approved work in wetlands will follow the permit guidelines. 4/3/07</b></p> <p><b>Mats are in place where appropriate. 12/11/06-4/3/07 Ensure that drainage patterns are monitored.</b></p> <p><b>Continue to maintain as much of the vegetation as possible. Add controls as needed and attempt to avoid disturbing the fine sediment accumulation in the wetland outlet adjacent to Carpenter Lane. 4/3/07</b></p> <p><b>Remove the haybales used for access into wetlands. 4/3/07</b></p> <p><b>See erosion control section. Adjust controls as needed. 4/3/07</b></p> <p><b>See access road and erosion control sections. Replace CB controls if additional underground work is needed. 4/3/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>Low impact clearing techniques were noted in the wetland.</b></p> <p><b>Minor maintenance needed before growing season.</b></p> <p><b>Timber mats installed.</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. 4/3/07</b></p>	<p><b>None 4/3/07</b></p>	<p><b>NA</b></p>
<p><b>Vegetative clearing or stabilization</b></p>	<p><b>Clearing is complete within the ROW south of Beseck SS; This includes areas of wetlands. Winches and hand felling</b></p>	<p><b>Continue to retain appropriate vegetation for stabilization. Continue to monitor areas and mulch/temporarily stabilize as</b></p>	<p><b>Good low impact clearing methods were noted in the wetland.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>were used in wetlands to reduce soil disturbance. 4/3/07</p> <p>Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing. 4/3/07</p>	<p>needed. Continue to avoid chipping in wetlands. 4/3/07</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. 4/3/07</p>	NA
<b>Dewatering</b>	Active dewatering was not being performed at this time. 4/3/07	None	NA
<b>Blasting</b>	No blasting is proposed. 3/27/07	None	NA
<p><b>Spills, soils and material storage</b></p> <p><b>High Hill Rd. to Rt 68</b></p> <p><b>Old Farms Rd. (Equipment Storage Area)</b></p>	<p>Spill control materials are being brought to sites when work is performed. 4/3/07</p> <p>Some wetland crossing timber mats are being stored off High Hill Rd. and used in access road construction. 12/11/06-4/3/07</p> <p>Some trucks and equipment used for the underground work are being stored off Old Farms Rd. 4/3/07</p> <p>Portable sanitary facilities are located away from wetlands. 4/3/07</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 4/3/07</p> <p>Continue to store equipment away from wetlands when possible. 4/3/07</p> <p>Monitor controls and adjust as needed. Vehicles should be stored away from wetlands. 4/3/07</p> <p>Sanitary facilities and hazardous materials should be stored away from wetlands and CE's. 4/3/07</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</p> <p>NA</p>
<b>Additional Observations</b>	<p>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. 11/27/06-4/3/07</p> <p>Asphalt dumped within the ROW off Old Farms Road is being used in</p>	<p>None. Noted for the record. 4/3/07</p> <p>None.</p>	<p>NA</p> <p>Asphalt pile is almost completely removed.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p><b>underground work and is almost gone. 4/3/07</b></p> <p><b>As temperatures warm, consider seeding disturbed areas along the ROW that will not require further work in the near future. 4/3/07</b></p>	<p><b>Identify disturbed areas along the ROW that can be temporarily stabilized and seed as needed. 4/3/07</b></p>	<p><b>Needs evaluation</b></p>

**Next likely scheduled inspection:** Tuesday April 10, 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





Area of the ROW that has been cleared south of Beseck SS off High Hill Rd. Low growing vegetation was retained in the wetlands here appropriately. Haybales left in wetlands for access should be removed.



Partial timber mat crossing south of Carpenter Lane for clearing crew. Controls should be added as needed, when work continues.



View of timber mats in place for pad construction and erosion controls off Powers Rd



Run-off has washed over a section of silt fence, resulting in minor sedimentation within the wetlands off Powers Rd. Repair the fence as soon as possible to prevent future sediment accumulation.



**Controls added along wetlands off Woodhouse Ave. Extend and reinforce controls as needed. The stone layers appear to be putting stress on the fence in some spots.**



**Close-up view of an area where the fence was overwhelmed by the installed stone. Extend controls to keep an approved limit of work in the wetland here.**



**Safety fence remains around the transition pit located off Old Farms Road. An area of adjacent exposed soil and leftover fill is located in the overhead ROW. Extra material should be removed and the area mulched/temporarily stabilized.**



**The trench was patched along Old Farms Rd. Some loose asphalt or "crumbling" was noted along the edge of the roadway.**