

**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:** January 23, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** Total of 0.23” rain from 1/17–1/23/07 with 0.21” on 1/18/07 (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 High Hill Rd. to Rte 68</b>	<b>High Hill Road is being swept as needed; catch basin (CB) here has controls. Timber mats are in place in a non-federally jurisdictional (NFJ) wetland crossing. 1/23/07</b>	<b>Check construction entrance and clean/sweep High Hill Road, and Route 68 as needed. 1/23/07</b>	<b>Not applicable (NA)</b>
<b>Williams Rd. to East Center St.</b>	<b>Traffic is using a temporary, cleared entrance off Stony Brook Rd. There is no sediment tracking at this time and area is stable. 1/23/07</b>	<b>Monitor access road for erosion. 1/23/07</b>	<b>NA</b>
<b>S. Turnpike + Merritt Parkway Area</b>	<b>No sediment tracking was noted on S. Turnpike and erosion issues were not observed. 1/23/07</b>	<b>Continue to monitor the entrance and sweep as needed. Also, continue to monitor the slope for additional wash-outs or run-off issues. 1/23/07</b>	<b>NA.</b>
<b>Mansion Rd</b>	<b>No sediment tracking noted on Mansion Rd. 1/23/07</b>	<b>Continue to monitor and sweep entrance as needed. 1/23/07</b>	<b>NA</b>
<b>Mansion Rd. Apple Orchard</b>	<b>The existing cart paths continue to be upgraded for access to the east through an apple orchard to reach several staging areas/construction pads. 1/23/07</b>	<b>Add controls as needed as access road construction continues. 1/23/07</b>	<b>NA</b>

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<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 12/27/06-1/23/07</b></p> <p><b>Access road construction is complete. Some turbid run-off continues to be noted from a low spot that was filled during construction. Run-off does reach the roadway. 12/18/06-1/23/07</b></p> <p><b>During/after larger rain events, clear run-off was noted as sheet flow across one driveway and flowing down another driveway to Old Farms Rd. This is not an environmental issue but causes icy conditions in cold weather. 1/23/07</b></p>	<p><b>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-1/23/07</b></p> <p><b>Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-1/23/07</b> <b>Evaluate whether pre-existing drainage patterns were altered during construction.</b></p> <p><b>Consider installing temporary stormwater containment or diversion to prevent sheet flow across driveways and off-site. 1/23/07</b></p>	<p><b>Street sweeper was scheduled to clean the roadway during the inspection. Needs regular attention</b></p> <p><b>Needs to be monitored</b></p> <p><b>Needs evaluation</b></p>
<p><b>Old Farms Rd. (115kV Underground trench-work)</b></p>	<p><b>Most CBs are well controlled with liners and gutter buddies (filter socks). A few south of work have socks but not liners as saw cutting in the area has resulted in slurry on the roadway. 1/23/07</b></p> <p><b>One of the socks was removed to prevent water from ponding and subsequent icing on the roadway. Sediment/slurry buildup was noted in this area at this CB but adjacent wetlands still appear free of sedimentation. 1/23/07</b></p>	<p><b>Maintain controls for CBs as the underground work approaches. Install gutter buddies at CB drop inlets as needed. Monitor carefully during production of sawcut slurry. Don't remove controls until work is complete in the area. 1/23/07</b></p> <p><b>Remove existing sediment from the controls. Rather than remove controls when ponding is an issue, consider alternatives to dewatering to CB or slow the release rate. 1/23/07</b></p>	<p><b>Some of the silt liners were being replaced at this inspection.</b></p> <p><b>Needs regular attention</b></p> <p><b>Street sweeper was scheduled to clean the roadway during the inspection.</b></p> <p><b>Needs regular attention</b></p>
<p><b>Foundation and site construction</b></p>	<p><b>A number of graded construction pads are in</b></p>	<p><b>See erosion control section. 1/23/07</b></p>	<p><b>NA</b></p>

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<p><b>High Hill Rd.</b></p> <p><b>S. Turnpike + Merritt Parkway Area</b></p> <p><b>Mansion Rd. Apple Orchard</b></p> <p><b>Old Fams Rd.</b></p>	<p><b>place. Drilling is now underway. No dewatering or foundations have been installed. 1/23/07</b></p> <p><b>No new work was noted off South Turnpike. 1/23/07</b></p> <p><b>New access roads and staging areas are under construction. 1/23/07</b></p> <p><b>Construction will continue moving south. 1/23/07</b></p> <p><b>Saw cutting pavement and underground work is ongoing and will continue over the next few weeks. 1/23/07</b></p>	<p><b>Concrete washout areas and dewatering containment should be established as needed.</b></p> <p><b>See erosion control section. 1/23/07</b></p> <p><b>See access roads section. 1/23/07</b></p> <p><b>See erosion control section. 1/23/07</b></p> <p><b>See access road section. 1/23/07</b></p>	<p></p> <p>NA.</p> <p>NA</p> <p>NA</p> <p>NA</p>
<p><b>Erosion and sediment controls</b></p> <p><b>High Hill Rd. to Rt. 68</b></p> <p><b>Williams Rd to East Center St.</b></p> <p><b>S. Turnpike + Merritt Parkway Area</b></p>	<p><b>Silt fence and haybales are in place at the wetland near High Hill Rd. entrance. Logs protect the controls. Two layers of silt fence are secure. 1/23/07</b></p> <p><b>Mats and controls are in place at the wetland crossing. Mulch and silt fence remain in place to help prevent erosion on the steep slopes of the graded staging areas. 1/23/07</b></p> <p><b>Silt fence and silt liners at CB near Stony Brook Rd. entrance appear secure. 1/23/07</b></p> <p><b>Much of the appropriate vegetation and woody debris off Stony Brook Road was preserved to prevent erosion. 1/23/07</b></p> <p><b>The slope did not have any new erosion issues.</b></p>	<p><b>Inspect and maintain silt fence/haybales as needed. Monitor area for sediment run-off. 1/23/07</b></p> <p><b>Monitor for erosion and run-off issues and add controls as needed. 1/23/07</b></p> <p><b>Maintain as needed. 1/23/07</b></p> <p><b>Continue to make efforts to retain vegetation for erosion control when clearing resumes. 1/23/07</b></p> <p><b>Monitor access road slope for future washout or</b></p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd.</p> <p>Mansion Rd. Apple Orchard</p> <p>Old Farms Rd.</p> <p>Old Farms Rd. (Equipment Storage Area)</p>	<p>The silt fence along the base of slope remains intact. 1/23/07</p> <p>An existing riprap slope and culvert are present near the entrance from the road. Controls here remain intact. 1/23/07</p> <p>Silt fence is being installed as needed adjacent to resource areas along the upgraded access roads. 1/23/07</p> <p>Silt fence is in place and intact on both sides of the access drive and near the stone pads in saturated areas. 1/23/07</p> <p>The equipment storage yard off Old Farms Rd. looks good. Extended silt fence is intact along the access driveway and upgradient of the wetlands located here. 1/23/07</p>	<p>erosion issues, add controls/diversions if needed. 1/23/07</p> <p>Continue to monitor and place controls in this area if traffic increases and adjacent soil becomes disturbed. 1/23/07</p> <p>Continue to add and monitor controls as needed. 1/23/07</p> <p>Monitor potential run-off areas and add controls or diversions as needed. 1/23/07</p> <p>Maintain existing controls and add controls as needed. 1/23/07</p>	<p>NA</p> <p>Silt fence installed (proactively).</p> <p>Needs to be monitored.</p> <p>NA</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 1/23/07</p> <p>Small NFJ wetlands or low spots are being accessed for crossing. 1/23/07</p> <p>Wetlands in the proximity of the underground work along Old Farms Rd did not show signs of sedimentation. 1/23/07</p>	<p>Approved work in wetland will follow the permit guidelines. 1/23/07</p> <p>Mats are in place where appropriate. 12/11/06-1/23/07 Ensure that drainage patterns are monitored.</p> <p>Continue to monitor during roadway work, especially during sawcut slurry production. 1/23/07</p>	<p>NA.</p> <p>NA</p> <p>NA</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. 1/23/07</p>	<p>None 1/23/07</p>	<p>NA</p>

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<b>Vegetative clearing or stabilization</b>	<p>Permits are obtained and vegetation clearing will resume shortly; several more weeks of work will be required to complete clearing. 1/23/07</p> <p>Vegetation was preserved in areas where invasive species were not dominant. 1/23/07</p>	<p>Continue to retain appropriate vegetation for stabilization. Continue to monitor areas and mulch/ temporarily stabilize as needed. 1/23/07</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. 1/23/07</p>	<p>NA</p> <p>NA</p>
<b>Dewatering</b>	<p>Minor dewatering is being performed from the trench off Old Farms Rd. Water was clear and being released against a haybale and then to a controlled CB. Sediment/ sawcut slurry had accumulated around a CB and haybales/stone dams. A gutter buddy sock was folded back to reduce ponding issues but the CB was filled with sediment here. 1/23/07</p>	<p>Monitor dewatering activities and add controls as needed. Clean sediment from roadway and controls. Rather than remove controls when ponding is an issue, consider alternatives to dewatering to CB or slow the release rate.1/23/07</p>	<p>Road is scheduled to be swept.</p> <p>Needs evaluation</p>
<b>Blasting</b>	<p>No blasting is proposed. 1/23/07</p>	<p>None</p>	<p>NA</p>
<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. 1/23/07</p> <p>Some wetland crossing timber mats are being stored off High Hill Rd. and used in access road construction. 12/11/06-1/23/07</p> <p>Some trucks and equipment being used in the underground work are being stored off Old Farms Rd. Silt fence is in place to protect wetlands 1/23/07</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 1/23/07</p> <p>Continue to store equipment away from wetlands when possible. 1/23/07</p> <p>Monitor controls and adjust as needed. Vehicles should be stored away from wetlands. 1/23/07</p>	<p>NA</p> <p>NA</p> <p>NA at this time</p>





**Access road, timber mats, and erosion controls off High Hill Road at a non-federally jurisdictional wetland crossing**



**View of the staging areas prepared for pole construction. Temporary stabilization measures (mulch) are added as needed.**



**Silt fence remains intact along South Turnpike. Continue to monitor the slope for erosion but issues with run-off were not observed at this time.**



**The silt fence at the entrance to Mansion Rd. remains intact.**



**Silt fence is intact along the access road adjacent to wetlands within the apple orchard off Mansion Rd.**



**Gutter buddy was folded to prevent flooding on Old Farms Road. Sediment should be removed from roadway and cleared from the controls.**



**Extended silt fence is intact along the driveway to the equipment storage area. No sediment issues were observed in the adjacent wetlands.**