

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 20, 2007

Inspector: Matthew Creighton

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

Rainfall: 1.96” of precipitation was recorded in the week prior to inspection, with 1.48” of the total reported on 3/16 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways Carpenter Ln. to Rte 68	Timber mats are in place in a non-federally jurisdictional (NFJ) wetland crossing. 3/20/07	See Erosion Control Section for more details 3/20/07	NA.
	No sediment tracking was noted this week along Carpenter Lane. 3/20/07	Clean/sweep High Hill Road, Route 68, and Carpenter Lane regularly. Consider installation of a stone construction entrance. 3/20/07	Carpenter Lane was free of sediment.
	Clearing and access road installation continues within wetlands south of Carpenter Ln. and Beseck SS. Timber mats remain in place at a small stream crossing. 3/20/07	Add controls as needed along the wetlands and during access road construction. 3/20/07	NA
Williams Rd. to East Center St.; S. Turnpike + Merritt Parkway Area; Mansion Rd.	No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. 3/20/07	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. 3/20/07	Not applicable (NA)
Mansion Rd. Apple Orchard	No run-off noted. Well placed sections of silt fence appear to effectively filter any water. 3/20/07	Adjust controls as needed along the access road. Monitor and maintain silt fence. 3/20/07	NA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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>3/20/07</p> <p>New line work appears complete for the time being. Some clearing continues south of Carpenter Ln 3/20/07</p> <p>No new work was noted off South Turnpike. 3/20/07</p> <p>Access roads and staging areas are in place. 3/20/07</p> <p>No work underway during this week's inspection. 3/20/07</p> <p>Chain link fencing was installed as a protective measure around an open pit left at the location where the underground line will eventually transition to overhead. 3/20/07</p>	<p>See erosion control section. 3/20/07</p> <p>See erosion control section. 3/20/07</p> <p>See access roads section. 3/20/07</p> <p>See access road section. 3/20/07</p> <p>Monitor and maintain fence as needed. 3/20/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>Fence added for safety around the open trench end.</p>
<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) However a line of new haybales remain in place to reinforce the controls. Logs also remain in place for support. 3/20/07</p> <p>Some mulch and silt fence remain in place to help prevent erosion on the steep slopes of the graded staging areas. 3/20/07</p> <p>Clearing continues within wetlands off Carpenter Ln.; timber mats installed across small stream. No controls installed in this area. 3/20/07</p>	<p>Inspect and maintain silt fence/haybales as needed. Monitor area for run-off and adjust controls for containment. 3/20/07</p> <p>Monitor for erosion and run-off issues and adjust controls as needed. 3/20/07</p> <p>Add controls as needed if soils become disturbed or tracking is noted on the mats. Monitor area for run-off. 3/13-3/20/07</p>	<p>Haybales added to reinforce degraded controls.</p> <p>NA</p> <p>Mats are in place. NA at this time.</p>

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Williams Rd to East Center St.	<p>Silt fence and silt liners at CB near Stony Brook Rd. entrance appear secure. 3/20/07</p>	<p>Maintain as needed. 3/20/07</p>	<p>NA</p>
S. Turnpike + Merritt Parkway Area	<p>Much of the appropriate vegetation and woody debris off Stony Brook Road was preserved to prevent erosion. 3/20/07</p>	<p>Continue to make efforts to retain vegetation for erosion control when clearing resumes. 3/20/07</p>	<p>NA</p>
Mansion Rd.	<p>The slope did not have any new erosion issues. The silt fence along the base of slope remains intact. 3/20/07</p>	<p>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 3/20/07</p>	<p>NA</p>
Mansion Rd. Apple Orchard	<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. 2/21-3/20/07</p>	<p>Continue to monitor and adjust controls in this area. Clean sediment as needed. Evaluate whether a run-off diversion is needed. 2/21-3/20/07</p>	<p>Needs evaluation.</p>
Old Farms Rd.	<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. 3/13-3/20/07</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-3/20/07</p>	<p>Needs regular maintenance.</p>
Old Farms Rd. (Equipment Storage Area)	<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 stable with no turbid run-off noted but it has the potential to reach off-site wetlands. 3/20/07</p>	<p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-3/20/07</p> <p>It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands in the past. 2/21-3/20/07</p>	<p>Needs to be monitored</p> <p>No immediate issues but needs evaluation and attention.</p>
Old Farms Rd. (Equipment Storage Area)	<p>The equipment storage yard off Old Farms Rd. looks good. A few small</p>	<p>Provide minor maintenance to the existing controls when</p>	<p>Minor maintenance needed.</p>

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<p>Old Farms Rd. (115kV Underground work)</p>	<p>sections of silt fence need minor repair (re-stapling) as they have fallen off the stakes. 2/27-3/20/07</p> <p>Roadway was cleaned last week and all sediment removed. CB silt liners and gutter buddies have also been removed. Area appears stable. 3/20/07</p>	<p>feasible and adjust controls as needed. 2/27-3/20/07</p> <p>Add controls as needed if work resumes in this area. 3/20/07</p>	<p>Sediment along the roadway was removed. CB controls were removed.</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. 3/20/07</p> <p>Small NFJ wetlands or low spots are being accessed for crossing. 3/20/07</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. 3/20/07</p> <p>Clearing continues 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 as possible. 3/20/07</p> <p>Some trees were felled on the haybales at the storm drain outlet (haybales installed by Beseck contractors). Additional haybales were also used by the clearing crews to stand on while removing trees. 3/20/07</p>	<p>Approved work in wetlands will follow the permit guidelines. 3/20/07</p> <p>Mats are in place where appropriate. 12/11/06-3/20/07 Ensure that drainage patterns are monitored.</p> <p>See access road and erosion control sections. Replace CB controls if additional underground work is needed. 3/20/07</p> <p>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. 3/20/07</p> <p>Remove the haybales used for access and coordinate with Beseck contractors to repair any damaged controls for them. 3/20/07</p>	<p>NA</p> <p>NA</p> <p>Roadway was clean and free of sediment.</p> <p>Low impact clearing techniques were noted in the wetland.</p> <p>Low impact clearing techniques were noted; Restore controls.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
State species of concern, threatened and endangered species.	According to the D&M plan, state-listed species are not located in the current work areas. 3/20/07	None 3/20/07	NA
Vegetative clearing or stabilization	<p>Clearing continues within the ROW south of Beseck SS; This includes areas of wetlands. Winches and hand felling were used in wetlands to reduce soil disturbance. Trees were being stockpiled and chipped. 3/20/07</p> <p>Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing. 3/20/07</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. 3/20/07</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. 3/20/07</p>	<p>Good low impact clearing methods were noted in the wetland.</p> <p>NA</p>
Dewatering	Active dewatering was not being performed at this time. Sediment accumulation along the gutters on Old Farms Road was removed. 3/20/07	Continue to remove sediment from the roadway, gutters and controls. 3/20/07	Accumulated sediment was removed from the roadway.
Blasting	No blasting is proposed. 3/20/07	None	NA
<p>Spills, soils and material storage</p> <p>High Hill Rd. to Rt 68</p> <p>Old Farms Rd. (Equipment Storage Area)</p>	<p>Spill control materials are being brought to sites when work is performed. 3/20/07</p> <p>Some wetland crossing timber mats are being stored off High Hill Rd. and used in access road construction. 12/11/06-3/20/07</p> <p>Some trucks and equipment used for the underground work are being stored off Old Farms Rd. 3/20/07</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 3/20/07</p> <p>Continue to store equipment away from wetlands when possible. 3/20/07</p> <p>Monitor controls and adjust as needed. Vehicles should be stored away from wetlands. 3/20/07</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</p>



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. Controls may be needed as the snow cover melts.



Silt fence and haybales are degraded along the access road off High Hill Rd. Haybales are in place to support degraded controls.



View of the cleared ROW west of High Hill Rd. heading north toward Beseck SS



Melting snow and ground thaw resulted in sediment run-off along a slope south of Beseck SS off High Hill Road. Watch for any sedimentation if wetlands are downgradient.



Safety fence protection was installed around an open pit located off Old Farms Road. This trench is where underground will connect with overhead lines.



Small sediment piles remain until the snow cover along Old Farms Rd. Remove when feasible.



The trench was patched along Old Farms Rd. Loose pavement or "crumbling" was noted as a result of plowing and cold temperatures.



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 past thaw periods. Continue to monitor.