

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 27, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.35” of precipitation was recorded in the week prior to inspection, with 0.22” of the total reported on 3/24 (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 (NEJ) wetland crossing. 3/27/07	See Erosion Control Section for more details 3/27/07	Not applicable (NA)
	No sediment tracking was noted this week along Carpenter Lane. 3/27/07	Clean/sweep High Hill Road, Route 68, and Carpenter Lane regularly. Consider installation of a stone construction entrance. 3/27/07	Carpenter Lane was free of sediment.
	Clearing and access road installation south of Beseck SS complete for now. Timber mats remain in place at a small stream crossing. 3/27/07	Add controls as needed along the wetlands and during access road construction. 3/27/07	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. 3/27/07	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. 3/27/07	NA
Mansion Rd. Apple Orchard	No run-off noted. Well-placed sections of silt fence appear to effectively filter any water. 3/27/07	Adjust controls as needed along the access road. Monitor and maintain silt fence. See erosion control section. 3/27/07	NA

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<p>Old Farms Road</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. 12/27/06-3/27/07</p> <p>Run-off from the low, saturated spot (filled during access road construction) is currently clear and snow cover has melted. 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. 3/27/07</p> <p>Run-off has previously been observed across and along several driveways to Old Farms Rd. 1/23-3/27/07 Thick ice has been observed 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. 2/21-3/27/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-3/27/07</p> <p>Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-3/27/07 Evaluate whether pre-existing drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-3/27/07</p> <p>Consider installing temporary stormwater containment or diversion to prevent sheet flow across driveways and off-site. 1/23-3/27/07</p> <p>Diversion/containment seems necessary especially as turbid run-off has been observed reaching off-site wetlands in the past. 2/21-3/27/07</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>
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Roadway has been cleaned and CB liners and gutter buddies were removed. Trenching is complete for now and area has been stabilized. Some loose asphalt “crumbling” was noted at the trench patch. 3/27/07</p>	<p>Add controls as needed if work resumes in this area. Continue to clean loose asphalt until area can be properly repaved. 3/27/07</p>	<p>Area is not currently active.</p>
<p>Foundation and site construction</p>	<p>Temporary/permanent pole installation, drilling access road construction and clearing are occurring in some areas</p>	<p>None. 3/27/07</p>	<p>NA</p>

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>along the project route. Very little new work was noted this week. 3/27/07</p> <p>New line work, clearing and roadwork appear complete for the time being. 3/27/07</p> <p>No new work was noted off South Turnpike. 3/27/07</p> <p>Access roads and staging areas are in place. 3/27/07</p> <p>No work underway during this week's inspection. 3/27/07</p> <p>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. 3/27/07</p>	<p>See erosion control section. 3/27/07</p> <p>See erosion control section. 3/27/07</p> <p>See access roads section. 3/27/07</p> <p>See access road section. 3/27/07</p> <p>Monitor and maintain fence as needed. 3/27/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA.</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. 3/27/07</p> <p>Some mulch and silt fence remain in place to help prevent erosion on the steep slopes of the graded staging areas. 3/27/07</p> <p>Clearing is finished within wetlands off Carpenter Ln.; timber mats installed across small stream. No</p>	<p>Inspect and maintain silt fence/haybales as needed. Monitor area for run-off and adjust controls for containment. 3/27/07</p> <p>Monitor for erosion and run-off issues and adjust controls as needed. 3/27/07</p> <p>Add controls as needed if soils become disturbed or tracking is noted on the mats. Monitor area for run-off. 3/13-3/27/07</p>	<p>NA</p> <p>NA</p> <p>Minor maintenance needed.</p>

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Williams Rd to East Center St.	<p>controls installed in this area. Haybales were left in wetlands by tree clearing crews. 3/27/07</p> <p>Silt fence and silt liners at CB near Stony Brook Rd. entrance appear secure. 3/27/07</p>	<p>Remove haybales left in wetlands. 3/27/07</p> <p>Maintain as needed. 3/27/07</p>	<p>NA</p>
	<p>Much of the appropriate vegetation and woody debris off Stony Brook Road was preserved to prevent erosion. 3/27/07</p>	<p>Continue to make efforts to retain vegetation for erosion control when clearing resumes. 3/27/07</p>	<p>NA</p>
S. Turnpike + Merritt Parkway Area	<p>The slope did not have any new erosion issues. The silt fence along the base of slope remains intact. 3/27/07</p>	<p>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 3/27/07</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 pools here and leaves sediment along the roadway. 2/21-3/27/07</p>	<p>Continue to monitor and adjust controls in this area. Clean sediment as needed. Evaluate whether a run-off diversion is needed. No run-off noted at this time. 2/21-3/27/07</p>	<p>Continue to evaluate.</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. Some sections need minor repair and sediment accumulation was noted. 3/13-3/27/07</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-3/27/07</p>	<p>Needs regular maintenance.</p>
Old Farms Rd.	<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. 3/27/07</p>	<p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-3/27/07</p> <p>It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands in the past. 2/21-3/27/07</p>	<p>Needs to be monitored</p> <p>No immediate issues but needs evaluation and attention.</p>

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<p>Old Farms Rd. (Equipment Storage Area)</p> <p>Old Farms Rd. (115kV Underground work)</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. 2/27-3/27/07</p> <p>Roadway was cleaned and all sediment removed. CB silt liners and gutter buddies have also been removed. Area appears stable. Minor amounts of asphalt “pebbles” were noted along the roadway as a result of the patch on the trench. 3/27/07</p>	<p>Provide minor maintenance to the existing controls when feasible and adjust controls as needed. 2/27-3/27/07</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. 3/27/07</p>	<p>Minor maintenance needed.</p> <p>Minor maintenance needed</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. 3/27/07</p> <p>Small NFJ wetlands or low spots are being accessed for crossing. 3/27/07</p> <p>Receiving wetlands along the roadway did not show signs of turbidity this week. 3/27/07</p> <p>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 as possible. 3/27/07</p> <p>Trees felled on the haybales at the storm drain outlet (haybales installed by Beseck contractors) have been removed with no</p>	<p>Approved work in wetlands will follow the permit guidelines. 3/27/07</p> <p>Mats are in place where appropriate. 12/11/06-3/27/07 Ensure that drainage patterns are monitored.</p> <p>See access road and erosion control sections. Replace CB controls if additional work is needed. 3/27/07</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. 3/27/07</p> <p>Remove the haybales that had been used for access into the wetlands. 3/27/07</p>	<p>NA</p> <p>NA</p> <p>NA.</p> <p>Low impact clearing techniques were noted in the wetland.</p> <p>Low impact clearing techniques were noted; Minor maintenance needed.</p>

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	<p>disturbance to existing haybales. Additional haybales were also used by the clearing crews to stand on while removing trees within wetlands. These have been left behind. 3/27/07</p>		
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&M plan, state-listed species are not located in the current work areas. 3/27/07</p>	<p>None 3/27/07</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p>	<p>Clearing is complete within the ROW south of Beseck SS; This includes areas of wetlands. Winches and hand felling were used in wetlands to reduce soil disturbance. 3/27/07</p> <p>Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing 3/27/07</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. 3/27/07</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. 3/27/07</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. 3/27/07</p>	<p>If further dewatering is needed, continue to provide appropriate filtration and containment. 3/27/07</p>	<p>NA.</p>
<p>Blasting</p>	<p>No blasting is proposed. 3/27/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>High Hill Rd. to Rt 68</p> <p>Old Farms Rd.</p>	<p>Spill control materials are being brought to sites when work is performed. 3/27/07</p> <p>Some wetland crossing timber mats are being stored off High Hill Rd. and used in access road construction. 12/11/06-3/27/07</p> <p>Some trucks and</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 3/27/07</p> <p>Continue to store equipment away from wetlands when possible. 3/27/07</p> <p>Monitor controls and</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</p>

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(Equipment Storage Area)	<p>equipment used for the underground work are being stored off Old Farms Rd. 3/27/07</p> <p>Portable sanitary facilities are located away from wetlands. 3/27/07</p>	<p>adjust as needed. Vehicles should be stored away from wetlands. 3/27/07</p> <p>Sanitary facilities and hazardous materials should be stored away from wetlands and CE's. 3/27/07</p>	NA
Additional Observations	<p>Some non-project related debris dumping was noted at a few access points, including off Stony Brook Rd. 11/27/06-3/27/07</p> <p>Asphalt dumped within the ROW off Old Farms Road is being used in underground work and is almost gone. 3/27/07</p> <p>As temperatures warm, consider seeding disturbed areas along the ROW that will not require further disturbance in the near future. 3/27/07</p>	<p>None. Noted for the record. 3/27/07</p> <p>None. 3/27/07</p> <p>Identify disturbed areas along the ROW that can be temporarily stabilized and seed as needed. 3/27/07</p>	<p>NA</p> <p>Asphalt pile is almost completely removed.</p> <p>Needs evaluation.</p>

Next likely scheduled inspection:

Tuesday April 3, 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.



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



Sediment and run-off has been noted along a slope south of Beseck SS off High Hill Road. Watch for any sedimentation if wetlands are downgradient.



Safety fence controls remain around the open pit located off Old Old Farms Road. This trench is where the underground utility will transition with the overhead lines.



Small sediment piles have been removed along Old Farms Rd and the shoulder has been graded.



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



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.