

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 13, 2007

Inspector: Matthew Creighton

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

Rainfall: Total of 0.36” of precipitation recorded between 3/7–3/13, with 0.34” of the total on 3/11 (as reported by NOAA 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. Controls were degraded in this area (noted last week) but haybales were installed to reinforce controls. 3/13/07 | See Erosion Control Section for more details 3/13/07 | Not applicable (NA) |
| | Sediment tracking was noted along Carpenter Lane as a result of clearing crews accessing the ROW. 3/13/07 | Clean/sweep High Hill Road, Route 68, and Carpenter Lane regularly. Consider installation of a stone construction entrance. 3/13/07 | Needs attention on Carpenter Lane. |
| | Clearing and access road installation continues this week within wetlands south of Carpenter Ln. and Beseck SS. Timber mats remain in place at a small stream crossing. 3/13/07 | Add controls as needed along the wetlands and during access road construction. 3/13/07 | Clearing underway off Carpenter Ln. |
| Williams Rd. to East Center St.; S. Turnpike + Merritt Parkway Area; | No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. 3/13/07 | 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. 3/13/07 | NA |

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| Mansion Rd. | Sediment has accumulated at the ROW entrance during the thaw period. 3/13/07 | Haybales are present here. Continue to monitor and ensure that sediment does not reach the roadway. 2/21-3/13/07 | Continue to monitor |
| Mansion Rd. Apple Orchard | No run-off noted. Well-placed sections of silt fence appear to effectively filter any water. 3/13/07 | Adjust controls as needed along the access road. Monitor and maintain silt fence. 3/13/07 | NA |
| Old Farms Road | Plywood is being used to reduce impact to the driveways crossing the ROW from equipment crossing. Two driveways have some minor marks from equipment. 12/27/06-3/13/07 | Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-3/13/07 | Plywood is used to protect driveways from equipment damage (proactively). |
| | 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. 3/13/07 | Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-3/13/07 Evaluate whether pre-existing drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-3/13/07 | No immediate issues but needs future evaluation and attention. |
| | Run-off has previously been observed across and along several driveways to Old Farms Rd. 1/23-3/13/07 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. 2/21-3/13/07 | Consider installing temporary stormwater containment or diversion to prevent sheet flow across driveways and off-site. 1/23-3/13/07 Diversion/containment seems necessary especially as turbid run-off has been observed reaching off-site wetlands. 2/21-3/13/07 | Needs evaluation |
| Old Farms Rd. (115kV Underground trench-work) | Gutter buddies (filter socks) have been removed from most CBs for town plowing leaving some curb drop inlets | Replace gutter buddies or provide alternative controls for drop inlets around town plowing needs. 2/21-3/13/07 | Needs attention although roadway was being swept. |

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| | <p>some curb drop inlets open to run-off. Two CB liners (at town line) are also torn and need to be replaced. 3/6-3/13/07 However, efforts to remove accumulated sediment on the roadway were also noted. 3/13/07</p> <p>The accumulated sediment resulting from dewatering and construction was being removed by hand sweeping from the roadway during inspection. Gutters were also being swept. 3/13/07</p> | <p>needs. 2/21-3/13/07. Replace torn liners. 3/6-3/13/07</p> <p>Continue to sweep the roadway as needed. 3/13/07</p> | <p>Roadway was being swept by hand and sediment was being removed.</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. 3/13/07</p> <p>New line work appears complete for the time being. Clearing and access road installation continues south of Carpenter Ln. 3/13/07</p> <p>No new work was noted off South Turnpike. 3/13/07</p> <p>Access roads and staging areas are in place. 3/13/07</p> <p>No active trench work underway during this week's inspection. 3/13/07</p> | <p>None. 3/13/07</p> <p>See erosion control section. 3/13/07</p> <p>See erosion control section. 3/13/07</p> <p>See access roads section. 3/13/07</p> <p>See access road section. 3/13/07</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. However a line of</p> | <p>Inspect and maintain silt fence/haybales on a regular basis. Monitor area for run-off and adjust controls for</p> | <p>Haybales added to reinforce degraded controls.</p> |

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| | <p>haybales was installed to reinforce the controls. Logs also remain in place for support. 3/13/07</p> | <p>containment. 3/13/07</p> | |
| | <p>Some mulch and silt fence remain in place to help prevent erosion on the steep slopes of the graded staging areas. 3/13/07</p> | <p>Monitor for erosion and run-off issues and adjust controls as needed. 3/13/07</p> | <p>NA</p> |
| | <p>New clearing within wetlands off Carpenter Ln.; timber mats installed across small stream. No controls installed in this area. 3/13/07</p> | <p>Add controls as needed if soils become disturbed or tracking is noted on the mats. Monitor area for run-off. 3/6-3/13/07</p> | <p>Mats are in place. NA at this time.</p> |
| <p>Williams Rd to East Center St.</p> | <p>Silt fence and silt liners at CB near Stony Brook Rd. entrance appear secure. 3/13/07</p> | <p>Maintain as needed. 3/13/07</p> | <p>NA</p> |
| | <p>Much of the appropriate vegetation and woody debris off Stony Brook Road was preserved to prevent erosion. 3/13/07</p> | <p>Continue to make efforts to retain vegetation for erosion control when clearing resumes. 3/13/07</p> | <p>NA</p> |
| <p>S. Turnpike + Merritt Parkway Area</p> | <p>The slope did not have any new erosion issues. The silt fence along the base of slope remains intact. 3/13/07</p> | <p>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 3/13/07</p> | <p>NA</p> |
| <p>Mansion Rd.</p> | <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 at the edge of the roadway. 3/6-3/13/07</p> | <p>Continue to monitor and adjust controls in this area. Remove sediment as needed. Evaluate whether a run-off diversion is needed. 2/21-3/13/07</p> | <p>Needs evaluation.</p> |
| <p>Mansion Rd. Apple Orchard</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</p> | <p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and continue to remove sediment when feasible. 2/21-3/13/07</p> | <p>Needs regular maintenance.</p> |

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| <p>Old Farms Rd.</p> <p>Old Farms Rd. (Equipment Storage Area)</p> <p>Old Farms Rd. (115kV Underground work)</p> | <p>need minor repair and sediment accumulation was noted. 3/6-3/13/07</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 stable with no turbid run-off noted, but it has the potential to reach off-site wetlands. 3/13/07</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. 2/27-3/13/07</p> <p>With warmer temperatures this week, crews were out cleaning the roadway and filling ruts along the edge of the roadway with loam. Topsoil was raked out and seed will be applied. Sediment piles were being removed. 3/13/07</p> | <p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-3/13/07</p> <p>It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands in the past. 2/21-3/13/07</p> <p>Provide minor maintenance to the existing controls when feasible and adjust controls as needed. 2/27-3/13/07</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. 3/13/07</p> | <p>Needs to be monitored</p> <p>No immediate issues but needs evaluation and attention.</p> <p>Minor maintenance needed.</p> <p>Sediment along the roadway was being removed and ruts were being repaired.</p> |
| <p>Inland Wetland and Watercourse encroachment and mitigation</p> | <p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 3/13/07</p> <p>Small NFJ wetlands or low spots are being accessed for crossing. 3/13/07</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.</p> | <p>Approved work in wetlands will follow the permit guidelines. 3/13/07</p> <p>Mats are in place where appropriate. 12/11/06-3/13/07 Ensure that drainage patterns are monitored.</p> <p>See access road and erosion control sections. Roadways were being swept and sediment removed. 3/13/07</p> | <p>NA</p> <p>NA</p> <p>No run-off noted but continue to evaluate. Crews were cleaning the roadway.</p> |

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| | <p>3/13/07</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. 3/13/07</p> | <p>Continue to maintain as much of the vegetation within and around the wetlands as possible. Add controls as needed and attempt to avoid disturbing the fine sediment accumulation in the wetland outlet adjacent to Carpenter Lane. 3/13/07</p> | <p>Low impact clearing techniques were noted in the wetland.</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. 3/13/07</p> | <p>None 3/13/07</p> | <p>NA</p> |
| <p>Vegetative clearing or stabilization</p> | <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. 3/13/07</p> <p>Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing 3/13/07</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. 3/13/07</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 3/13/07</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 along the gutters off Old Farms Road was being removed. 3/13/07</p> | <p>Continue to remove sediment from the roadway, gutters and controls. 3/13/07</p> | <p>Accumulated sediment was being removed from the roadway.</p> |
| <p>Blasting</p> | <p>No blasting is proposed. 3/13/07</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. 3/13/07</p> | <p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 3/13/07</p> | <p>NA</p> |



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



Silt fence and controls are degraded along the access road off High Hill Rd. Haybales were added to reinforce controls. Run-off issues were not observed.



Clearing was occurring in wetlands within the ROW moving south from Carpenter Lane and Beseck SS.



Sediment tracking was noted on Carpenter Ln. resulting from clearing crews accessing the ROW. Sweep the roadway on a regular basis and install a construction access pad as necessary.



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



Efforts to sweep and remove sediment accumulation along Old Farms Rd. were noted.



Topsoil is being applied and graded along Old Farms Rd. in an effort to repair ruts. Crews were also working to clean sediment from the gutters



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.