

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 10, 2007

Inspector: Matthew Creighton

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

Rainfall: 0.93” of precipitation was recorded in the week prior to inspection, with 0.93” of the total reported on 4/4 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Timber mats are in place at wetland crossings in active areas. 4/10/07	See Erosion Control Section for more details 4/10/07	Not applicable (NA)
Carpenter Ln. to Rte 68	No sediment tracking was noted this week along Carpenter Lane. 4/10/07	Clean/sweep High Hill Road, Route 68, and Carpenter Lane regularly. Consider installation of a stone construction entrance. 4/10/07	NA.
	Clearing and access road installation south of Beseck SS complete for now. A few sections of timber mats placed by clearing crews remain at a small stream crossing 4/10/07	Add controls as needed along the wetlands and during access road construction. 4/10/07	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. 4/10/07	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. 4/10/07	NA
Durham Rd.	Access to crane pad work area is in place. No tracking was noted. 4/10/07	See erosion control section for more detail. 4/10/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Liney Hall Lane	Clearing crews have accessed the area north to Muddy River. Timber mats were installed. 4/10/07	See erosion control section for more details. 4/10/07	Timber mats were installed for access.
Powers Rd. & Woodhouse Ave.	Timber mats are in place to reach structures off Powers Rd while stone work areas are in place off Woodhouse Ave. 4/10/07	No tracking was noted but continue to monitor. 4/10/07	NA
Mansion Rd. Apple Orchard	No run-off noted. Well placed sections of silt fence appear to effectively filter any water. 4/10/07	Adjust controls as needed along the access road. Monitor and maintain silt fence. 4/10/07	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. 12/27/06-4/10/07	Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-4/10/07	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. 4/10/07	Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-4/10/07 Evaluate whether pre-existing drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-4/10/07	No immediate issues; needs future evaluation and attention.
Old Farms Rd. (115kV Underground trench-work)	Trenching is complete for now and area has been stabilized. Some loose asphalt “crumbling” was noted at the trench patch. 3/27-4/10/07	Add controls as needed if work resumes in this area. Continue to clean loose asphalt until area can be properly repaved. 4/10/07	Area is not currently active.
Foundation and site construction	Temporary/permanent pole installation, drilling access road construction and clearing are occurring in some areas along the project route. 4/10/07	None. 4/10/07	NA

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High Hill Rd.	New line work, clearing and roadwork appear complete for the time being. 4/10/07	See erosion control section. 4/10/07	NA
Durham Rd.	Minor clearing and preparation for foundation drilling occurring. 4/10/07	See erosion control section. 4/10/07	NA
Liney Hall Lane	Only clearing and minor pad grading at this time. Timber mats were installed at the wetland crossing. 4/10/07	See erosion control section. 4/10/07	NA
		See erosion control section. 4/10/07	NA
Powers Rd. & Woodhouse Ave.	Six foundations were drilled and poured. 4/10/07	See erosion control section. 4/10/07	NA
S. Turnpike + Merritt Parkway Area	No new work was noted off South Turnpike. 4/10/07	See access roads section. 4/10/07	NA
Mansion Rd. Apple Orchard	Access roads and staging areas are in place. 4/10/07	See erosion controls section. 4/10/07	NA
Old Farms Rd. (115kV Underground trench-work)	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. 4/10/07	Monitor and maintain fence as needed. 4/10/07	NA
Erosion and sediment controls High Hill Rd. to Rt. 68	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. 4/10/07	Inspect and maintain silt fence/haybales as needed. Monitor area for run-off and adjust controls for containment. 4/10/07	NA
	Some mulch and silt fence remain in place to help prevent erosion on the steep slopes of the graded staging areas.	Monitor for erosion and run-off issues and adjust controls as needed. 4/10/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>4/10/07</p> <p>Clearing is complete within wetlands off Carpenter Ln.; timber mats remain across small stream. Controls were added adjacent to wetlands within new clearing areas and the haybales that had been left in the wetlands for access several weeks ago were removed. 4/10/07</p>	<p>Continue to add or adjust controls as needed as work resumes or soil is disturbed. 4/10/07</p>	<p>Haybales were removed from wetlands and fiber rolls were installed adjacent to the wetland.</p>
<p>Durham Rd.</p>	<p>Haybales added near site entrance along the pad site. No run-off noted. 4/10/07</p>	<p>Monitor and add controls as needed. 4/10/07</p>	<p>Haybales added at site entrance.</p>
<p>Liney Hall Ln.</p>	<p>Fiber rolls were installed along the edge of the timber mats at the wetland to filter run-off. 4/10/07</p>	<p>Monitor and add controls as needed. 4/10/07</p>	<p>Fiber rolls were installed along the work area.</p>
	<p>Timber mats were used to access vegetation being cleared within wetlands. Trees were felled and winched out of wetlands to reduce impacts. 4/10/07</p>	<p>Good controls will be needed along the proposed pad site within the wetlands due to the proximity of the Muddy River. 4/10/07</p>	<p>Timber mats and low impact techniques used to clear trees within wetlands.</p>
<p>Williams Rd to East Center St.</p>	<p>Silt fence and silt liners at CB near Stony Brook Rd. entrance appear secure. 4/10/07</p>	<p>Maintain as needed. 4/10/07</p>	<p>NA</p>
	<p>Much of the appropriate vegetation and woody debris off Stony Brook Road was preserved to prevent erosion. 4/10/07</p>	<p>Continue to make efforts to retain vegetation for erosion control when clearing resumes. 4/10/07</p>	<p>NA</p>
<p>Powers Rd. & Woodhouse Ave.</p>	<p>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. 4/3-4/10/07</p>	<p>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. 4/3-4/10/07</p>	<p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
S. Turnpike + Merritt Parkway Area	<p>Erosion controls installed along wetland edge of the timber mats. The silt fence has been removed (including the section washed over last week) and fiber rolls were installed instead. 4/10/07</p> <p>A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers. 4/10/07</p> <p>The slope did not have any new erosion issues. The silt fence along the base of slope remains intact. 4/10/07</p>	<p>4/10/07</p> <p>Monitor and maintain controls. Add controls as needed. 4/10/07</p> <p>Monitor controls for effectiveness. Clean sediment from riprap as needed. 4/10/07</p> <p>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 4/10/07</p>	<p>Silt fence was removed and fiber rolls were installed.</p> <p>Riprap channel added proactively to control run-off.</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 access road pools here and leaves sediment along the roadway. Silt fence repaired in this area. 2/21-4/10/07</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. 2/21-4/10/07</p>	<p>Continue to evaluate. Silt fence was repaired.</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. 3/13-4/10/07</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence and remove sediment when feasible. 2/21-4/10/07</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</p>	<p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-4/10/07</p> <p>It appears a diversion is needed especially as turbid run-off has been</p>	<p>Needs to be monitored</p> <p>No immediate issues, but needs evaluation and attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd. (Equipment Storage Area)</p> <p>Old Farms Rd. (115kV Underground work)</p>	<p>reach off-site wetlands. 4/10/07</p> <p>The equipment storage yard off Old Farms Rd. looks good. A few sections of silt fence need minor repair (re-stapling) as they have fallen off the stakes. 2/27-4/10/07</p> <p>Roadway was clean. Area appears stable. Minor amounts of asphalt “pebbles” were noted along the roadway as a result of the patch on the trench. 3/27-4/10/07</p> <p>Exposed soil and excess fill material were noted on the overhead ROW near the transition point. 4/3-4/10/07</p>	<p>turbid run-off has been observed reaching wetlands in the past. 2/21-4/10/07</p> <p>Provide minor maintenance to the existing controls when feasible and adjust controls as needed. 2/27-4/10/07</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. 4/10/07</p> <p>Remove extra materials and temporarily stabilize the soil here. 4/3-4/10/07</p>	<p>and attention.</p> <p>Minor maintenance needed.</p> <p>Minor maintenance needed</p> <p>Needs attention</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. 3/7/07</p> <p>Small NFJ wetlands or low spots are being accessed for crossing. 4/10/07</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 where possible. 4/10/07</p> <p>Haybales used by clearing crews to stand on while removing trees within wetlands several weeks ago have now been removed. 4/10/07</p>	<p>Approved work in wetlands will follow the permit guidelines. 4/10/07</p> <p>Mats are in place where appropriate. 12/11/06-4/10/07 Ensure that drainage patterns are monitored.</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. 4/10/07</p> <p>Continue to reduce impacts to wetlands to the extent possible. 4/10/07</p>	<p>NA</p> <p>NA</p> <p>NA.</p> <p>Haybales were removed.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Liney Hall Ln.</p> <p>Powers Rd. & Woodhouse Ave.</p> <p>Old Fams Rd. (115kV Underground work)</p>	<p>Timber mats used to cross a small stream and access wetlands. A pad and road are proposed in the wetland. 4/10/07</p> <p>Timber mats and stone pads remain along the ROW and edge of wetlands. Structure work directly in wetlands is permitted here. 4/10/07</p> <p>Receiving wetlands along the roadway did not show signs of turbidity this week. 4/10/07</p>	<p>Monitor controls and add more as needed. The pad construction will have to be controlled carefully 4/10/07</p> <p>See erosion control section. Adjust controls as needed. 4/10/07</p> <p>See access road and erosion control sections. Replace CB controls if additional underground work is needed. 4/10/07</p>	<p>Timber mats used to access wetlands.</p> <p>NA.</p> <p>NA.</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. 4/10/07</p>	<p>None 4/10/07</p>	<p>NA</p>
<p>Vegetative clearing or stabilization</p> <p>Most work areas</p> <p>Liney Hall Ln.</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. Several more weeks of work will be required to complete clearing 4/10/07</p> <p>Low impact clearing along the edge of the ROW and within wetlands was noted. Crews used timber mats, winches, and hand felling to remove trees within sensitive areas and avoid disturbance to the wetland. Efforts were noted to retain shrubs in this area. Some were damaged when trees fell. 4/10/07</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. 4/10/07</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. 4/10/07</p>	<p>NA</p> <p>Good low impact clearing methods were noted in the wetland.</p>
<p>Dewatering</p>	<p>Active dewatering was not being performed at this time. 4/10/07</p>	<p>None</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Blasting	No blasting is proposed. 4/10/07	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 4/10/07	Always use spill control materials when working on equipment and during refueling. Replace as needed. 4/10/07	NA
High Hill Rd. to Rt 68	Some wetland crossing timber mats are being stored off High Hill Rd. and used in access road construction. 12/11/06-4/10/07	Continue to store equipment away from wetlands when possible. 4/10/07	NA
Old Farms Rd. (Equipment Storage Area)	Some trucks and equipment used for the underground work are being stored off Old Farms Rd. 4/10/07	Monitor controls and adjust as needed. Vehicles should be stored away from wetlands. 4/10/07	NA at this time.
	Portable sanitary facilities are located away from wetlands. 4/10/07	Sanitary facilities and hazardous materials should be stored away from wetlands and CB's. 4/10/07	NA
Additional Observations	Asphalt dumped within the ROW off Old Farms Road is being used in underground work and is almost gone. 4/10/07	None.	Asphalt pile is almost completely removed
	As temperatures warm, consider seeding disturbed areas along the ROW that will not require further work in the near future 4/10/07	Identify disturbed areas along the ROW that can be temporarily stabilized and seed as needed. 4/10/07	Needs evaluation

Next likely scheduled inspection:

Tuesday April 17, 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



The haybales that had been used for clearing crew access and left in the wetland just south of Beseck SS and Carpenter Lane were removed. Most low growing shrubs and vegetation were retained appropriately.



Filter socks were added downgradient of the work off Liney Hall Ln. No turbidity issues were noted.



View of clearing within wetlands off Liney Hall Ln. Low impact techniques had been used to reduce direct disturbance to the wetland. Continue to preserve low growing shrubs.



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



Silt fence removed, filter socks installed for erosion controls off Powers Rd.



View of timber mat pad constructed off Powers Rd with several completed foundations.



The trench was patched along Old Farms Rd. Some loose asphalt or "crumbling" was noted along the edge of the roadway. In the background, safety fence remains around the transition pit and an area of adjacent exposed soil and leftover fill is located in the overhead ROW. Extra material should be removed and the area should be mulched.



View of an area off Old Farms Rd. which was regraded, seeded, and mulched to provide temporary stabilization until grass establishes.