

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 9, 2007

Inspector: Matthew Creighton

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

Rainfall: Total of 1.60" rain between 1/3–1/8/07 with 1.12" recorded on 1/8/07 (as reported by NOAA at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways High Hill Rd. to Rte 68	All equipment traffic is using the entrance off High Hill Road. Roadway is being swept as needed; catch basin (CB) here has controls. Timber mats are in place in a non-federally jurisdictional (NFJ) wetland crossing as the access road from High Hill Rd. to Rte 68 is complete. 1/9/07	Check construction entrance and clean/sweep High Hill Road, and Route 68 as needed. 1/9/07	Not applicable (NA)
Williams Rd. to East Center St.	Traffic is using a temporary, cleared entrance off Stony Brook Rd. There is no sediment tracking at this time and area is stable. 1/9/07	Monitor access road for erosion. 1/9/07	NA
S. Turnpike + Merritt Parkway Area	No sediment tracking noted on S. Turnpike. 1/9/07	Continue to monitor the entrance and sweep as needed. Also, continue to monitor the slope for additional wash-out or run-off issues. 1/9/07	NA
Mansion Rd	No sediment tracking noted on Mansion Rd. Some sediment build-up was noted at the entrance to Mansion Rd. This sediment is accumulating	Continue to monitor and sweep entrance as needed. Sediment should be removed before it reaches the roadway but is not an issue at this	Needs attention when feasible. (As of 1/12/07, the contractor stated that sediment would be removed by the following inspection)

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways (continued) Old Farms Road	<p>at and around the haybales and is migrating towards the roadway. 11/27/06-1/9/07</p> <p>Old Farms Rd. and driveways on the ROW continue to be swept as needed. Plywood is being used to reduce impact to the driveways from equipment crossing. Two driveways have some minor marks from equipment 12/27/06-1/9/07</p> <p>Access road construction is complete. Some turbid run-off continues to be noted from the filled portion of the small, NFJ wetland to the roadway. 12/18/06-1/9/07</p> <p>Clear run-off was also noted as sheet flow across one driveway and flowing down another driveway to Old Farms Rd. 1/9/07</p>	<p>time. 1/9/07</p> <p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 1/9/07</p> <p>Monitor wetland run-off and add controls/ diversions as needed. 1/9/07</p> <p>Evaluate pre-construction hydrology to determine if amount/direction of flows has changed. Add containment or diversion as necessary. 1/9/07</p>	<p>Plywood is used to protect driveways from equipment damage (proactively).</p> <p>Needs evaluation</p> <p>Needs evaluation</p>
Old Farms Rd. (115kV Underground trenchwork)	<p>Controls were installed in all CB's and gutter buddies were being installed as work progressed. Wetlands along roadway appear free of sedimentation. 1/9/07</p> <p>Slurry from sawcutting has sprayed onto a neighboring driveway and mailbox. 1/9/07</p>	<p>Install and maintain controls for all CBs along the roadway during underground work. Install gutter buddies at CB drop inlets as needed. Monitor carefully during production of sawcut slurry. 1/9/07</p> <p>Clean sediment if necessary and try to contain slurry during construction. 1/9/07</p>	<p>Controls were installed in CB's.</p> <p>Needs attention for good neighbor relations.</p>
Foundation and site construction	<p>Limited work (temporary pole installation and access road construction) is occurring drilling is scheduled to start soon.</p>	<p>None 1/9/07</p>	<p>NA</p>

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<p>High Hill Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p> <p>Old Fams Rd.</p>	<p>1/9/07</p> <p>The four graded construction areas remain. Some minor grading occurred to repair erosion. 1/9/07</p> <p>No new work was noted off South Turnpike. 1/9/07</p> <p>Construction will continue moving south. 1/9/07</p> <p>Saw cutting pavement and underground work has started in the roadway and will continue over the next few weeks. 1/9/07</p>	<p>See erosion control section. 1/9/07</p> <p>See erosion control section. 1/9/07</p> <p>See erosion control section. 1/9/07</p> <p>See access road section. 1/9/07</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>Williams Rd to East Center St.</p>	<p>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. 1/9/07</p> <p>Mats and controls are in place at the wetland crossing. 1/9/07</p> <p>Mulch and silt fence remain in place to help prevent erosion on the steep slopes of the graded staging areas. A few small gullies were formed from heavy rains and have been regraded and mulched. 1/9/07</p> <p>Silt fence and silt liners at CB near Stony Brook Rd. entrance appear secure. 1/9/07</p> <p>Much of the appropriate vegetation and woody debris off Stony Brook</p>	<p>Inspect and maintain silt fence/haybales as needed. Monitor area for sediment run-off. 1/9/07</p> <p>Monitor for erosion and add controls as needed. 1/9/07</p> <p>Continue to monitor the areas for erosion and run-off issues. Evaluate potential safety issues. 1/9/07</p> <p>Maintain as needed. 1/9/07</p> <p>Continue to make efforts to retain vegetation for erosion control when</p>	<p>NA</p> <p>NA</p> <p>Small gullies have been graded and mulched.</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>S. Turnpike + Merritt Parkway Area</p> <p>Mansion Rd.</p> <p>Old Farms Rd.</p> <p>Old Farms Rd. (Underground work - Equipment storage area)</p>	<p>Road was preserved to prevent erosion. 1/9/07</p> <p>The slope did not have any new erosion issues. Silt fence remains in place above the riprap slope and culvert. Silt fence was installed along the base of slope but a small section was in disrepair. 1/2-1/9/07</p> <p>An existing riprap slope and culvert are present near the entrance from the road. 1/9/07</p> <p>Silt fence is in place above the NFJ wetland on both sides of the access drive. A small section of silt fence on east side of drive has fallen down. 1/9/07</p> <p>Storage yard off Old Farms Rd. has silt fence and haybales adjacent to wetlands onsite. More controls may be needed to prevent sediment from entering wetlands. Wetland delineation is scheduled to determine boundaries. 1/9/07</p>	<p>clearing resumes. 1/9/07</p> <p>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed. Fix fallen section of silt fence when feasible but no immediate issues were noted. 1/9/07</p> <p>Continue to monitor and place controls in this area if traffic increases and adjacent soil becomes disturbed. 1/9/07</p> <p>Monitor controls and repair the fallen section of silt fence but erosion is not an issue. 1/9/07</p> <p>Maintain existing controls and add controls as needed. 1/9/07</p>	<p>Small section of silt fence needs attention when feasible</p> <p>NA</p> <p>Needs attention when feasible but no issues were observed above wetland.</p> <p>Silt fence and haybales were installed.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Jurisdictional wetlands will not be accessed until the ACOE permit is in hand. 8/24/06-1/9/07</p> <p>Small NFJ wetlands are being accessed for crossing. 1/9/07</p> <p>Wetlands along Old Farms Rd did not show signs of sedimentation near the underground work. 1/9/07</p>	<p>Continue to monitor wetlands and erosion controls. 1/9/07</p> <p>Mats are in place where appropriate. Evaluate hydrology off Old Farms Rd. 1/9/07</p> <p>Continue to monitor during roadway work, especially during sawcut slurry production. 1/9/07</p>	<p>NA</p> <p>NA</p> <p>NA</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. 1/9/07	None 1/9/07	NA
Vegetative clearing or stabilization	Vegetation clearing is presently on hold awaiting permits; several more weeks of work will be required to complete clearing. 1/9/07 Vegetation was preserved in areas where invasive species were not dominant. 1/9/07	Continue to retain appropriate vegetation for stabilization. Continue to monitor areas and mulch/ temporarily stabilize as needed. 1/9/07 Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan. 1/9/07	NA NA
Dewatering	Dewatering is not being performed. 1/9/07	None	NA
Blasting	No blasting is proposed. 1/9/07	None	NA
Spills, soils and material storage High Hill Rd. to Rt 68 Old Farms Rd. (Equipment Storage Area)	Spill control materials are being brought to sites when work is performed. 1/9/07 Some wetland crossing timber mats are being stored off High Hill Rd. and used in access road construction. 12/11/06-1/9/07 Some trucks and equipment being used in the underground work are being stored off Old Farms Rd. Haybales and silt fence were installed to protect wetlands. 1/9/07 Portable sanitary facilities are being stored along the roadway. One is near a CB and the other near a wetland. 1/9/07	Always use spill control materials when working on equipment and during refueling. Replace as needed. 1/9/07 Continue to store equipment away from wetlands when possible. 1/9/07 Monitor controls and add more as needed. Vehicles should be stored away from wetlands. 1/9/07 Sanitary facilities should be stored away from wetlands and CBs to prevent potential issues if there is an alternative acceptable location.	NA NA Haybales and silt fence added. Needs attention when feasible.

Areas of Inspection	Observation	Recommended Action	Corrected Action
		1/9/07	
Additional Observations	Some non-project related debris dumping was noted at a few access points, including off Stony Brook Rd. 11/27/06-1/9/07	None. Noted for the record. 1/9/07	NA

Next likely scheduled inspection:

Tuesday January 16, 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

Reviewer: Diana Walden, Stephen Herzog



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



New staging areas prepared for pole construction. Temporary stabilization measures (mulch) are in place. Grading was performed to repair washouts.



ROW off Stony Brook Rd. Non-project related debris had been dumped near this area.



Section of silt fence is in slight disrepair along South Turnpike, however no immediate issues were noted. Continue to monitor slope for erosion.



Sediment accumulation should be removed from the haybales at the ROW entrance off Mansion Rd when feasible although no immediate issues were noted.



Continue to monitor run-off and sheet flow seeping from non-federally jurisdictional wetland crossings off Old Farms Rd. Some turbid water has been observed reaching the roadway. Also, evaluate past and current hydrology here as water was pooling across some driveways.



View of trenching on Old Farms Road for underground work. Minor sediment was noted on adjacent driveway. Adjacent wetlands showed signs of sedimentation. Continue to sweep roadway or driveways as needed, especially as soon as sawcut slurry is created.



Portable sanitary facilities should be moved away from wetlands and catch basins to reduce the potential for impacts.