

**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:** February 27, 2007

**Inspector:** Matthew Creighton

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

**Rainfall:** Total of 0.77" rain recorded from 2/22–2/27, with 0.35" of the total on 2/26 (as reported by NOAA at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b> <b>High Hill Rd. to Rte 68</b>	<b>Timber mats are in place in a non-federally jurisdictional (NFJ) wetland crossing. Due to snow cover, turbid run-off from the access road was not observed through the controls as it was last week. 2/27/07</b>	<b>See Erosion Control Section for more details 2/27/07</b>	<b>Not applicable (NA)</b>
	<b>The sediment accumulation and tracking along High Hill Road has been removed. 2/27/07</b>	<b>Check construction entrance and clean/sweep High Hill Road, and Route 68 regularly. 2/27/07</b>	<b>High Hill Rd was swept and sediment was removed.</b>
<b>Williams Rd. to East Center St.; S. Turnpike + Merritt Parkway Area;</b>	<b>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. 2/27/07</b>	<b>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. 2/27/07</b>	<b>NA</b>
<b>Mansion Rd.</b>	<b>Run-off has pooled at the ROW entrance in the form of a large sheet of ice. 2/21-2/27/07</b>	<b>Haybales are present here. Continue to monitor and ensure that run-off or ice does not reach the roadway. 2/21-2/27/07</b>	<b>Continue to monitor</b>
<b>Mansion Rd. Apple Orchard</b>	<b>Due to the snow cover, the turbid run-off</b>	<b>Adjust controls as needed along the access road.</b>	<b>NA.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Old Farms Road</b></p>	<p>observed last week was no longer noted. Well placed sections of silt fence appear to effectively filter any water. 2/27/07</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. 12/27/06-2/27/07</p> <p>The turbid run-off from the low, saturated spot (filled during access road construction) was not observed this week due to snow cover and colder temperatures. However, during thaw, it has been observed reaching Old Farms Rd and entering a CB, flowing directly to receiving wetlands off-site. 2/27/07</p> <p>Run-off has previously been observed across and along several driveways to Old Farms Rd. 1/23-2/27/07 Thick ice was observed again 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. 2/21-2/27/07</p>	<p><b>Monitor and maintain silt fence. 2/27/07</b></p> <p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/27/06-2/21/07</p> <p>Monitor run-off and hydrology in the area and add controls as needed. 12/18/06-2/27/07 Evaluate whether pre-existing drainage patterns were altered during construction. It appears run-off diversion is necessary. 2/21-2/27/07</p> <p>Consider installing temporary stormwater containment or diversion to prevent sheet flow across driveways and off-site. 1/23-2/27/07</p> <p>Diversion/containment seems necessary especially as turbid run-off has been observed reaching off-site wetlands. 2/21-2/27/07</p>	<p>Plywood is used to protect driveways from equipment damage (proactively).</p> <p>Needs evaluation and attention even though site is currently frozen</p> <p>Needs evaluation</p>
<p><b>Old Farms Rd. (115kV Underground trench-work)</b></p>	<p>All CBs are controlled with liners, however gutter buddies (filter socks) have been removed for town plowing and curb drop inlets are open to run-off. 2/27/07</p>	<p>Replace gutter buddies or provide alternative controls for drop inlets around town plowing needs. 2/21-2/27/07.</p>	<p>Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Dewatering was occurring with several controls in place. Sediment was not reaching the CBs but was accumulating along the roadway gutter. Water reaching the receiving wetland was not turbid as was observed last week. 2/27/07</p>	<p>Have street sweeper attend to accumulating sediment when dewatering is complete. Clean gutter more regularly by hand if necessary, rather than wait for the weekly sweeping. Replace gutter buddies. 2/21-2/27/07</p>	<p>A street sweeper is scheduled to clean the roadway every Friday but area needs more regular attention.</p>
<p><b>Foundation and site construction</b></p> <p><b>High Hill Rd.</b></p> <p><b>S. Turnpike + Merritt Parkway Area</b></p> <p><b>Mansion Rd. Apple Orchard</b></p> <p><b>Old Farms Rd. (115kV Underground trench-work)</b></p>	<p>Temporary/permanent pole installation, drilling and access road construction is occurring in some areas along the project route. 2/27/07</p> <p>New line work appears complete for the time being. 2/27/07</p> <p>No new work was noted off South Turnpike. 2/27/07</p> <p>Access roads and staging areas are in place. 2/27/07</p> <p>Underground trenchwork (installation, backfill, concrete pouring, and dewatering) continues in section 2a. 2/27/07</p>	<p>None. 2/27/07</p> <p>See erosion control section. 2/27/07</p> <p>See erosion control section. 2/27/07</p> <p>See access roads section. 2/27/07</p> <p>See access road section. 2/27/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>
<p><b>Erosion and sediment controls</b></p> <p><b>High Hill Rd. to Rt. 68</b></p>	<p>Silt fence and haybales are in place at the wetland near High Hill Rd. entrance. Logs protect the controls. Due to snow cover, turbid water was not observed getting through the controls as it was last week but has the potential. 2/27/07</p> <p>Some mulch and silt fence remain in place to help prevent erosion on the steep slopes of the graded staging areas.</p>	<p>Inspect and maintain silt fence/haybales as needed. Monitor area for run-off and adjust controls for containment. 2/21-2/27/07</p> <p>Monitor for erosion and run-off issues and adjust controls as needed. 2/27/07</p>	<p>Needs evaluation and potential repair.</p> <p>NA</p>

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Williams Rd to East Center St.	<p>2/27/07</p> <p>Silt fence and silt liners at CB near Stony Brook Rd. entrance appear secure. 2/27/07</p>	<p>Maintain as needed. 2/27/07</p>	<p>NA</p>
	<p>Much of the appropriate vegetation and woody debris off Stony Brook Road was preserved to prevent erosion. 2/27/07</p>	<p>Continue to make efforts to retain vegetation for erosion control when clearing resumes. 2/27/07</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. 2/27/07</p>	<p>Monitor access road slope for future washout or erosion issues, add controls/diversions if needed 2/27/07</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 has pooled into a thick sheet of ice adjacent to the roadway. 2/21-2/27/07</p>	<p>Continue to monitor and adjust controls in this area. The ice may also present a safety issue if it builds up to the roadway. Evaluate whether a run-off diversion is needed. 2/21-2/27/07</p>	<p>Needs evaluation.</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 due to colder temperatures. Some sections need minor repair. 2/27/07</p>	<p>Continue to monitor and adjust controls as needed. Repair fallen section of silt fence when feasible. 2/21-2/27/07</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 frozen and temporarily stable with no turbid run-off noted but it has the potential to reach off-site wetlands. 2/27/07</p>	<p>Monitor potential run-off areas and add controls or diversions as needed. 12/18/06-2/27/07</p> <p>It appears a diversion is needed especially as turbid run-off has been observed reaching wetlands. 2/21-2/27/07</p>	<p>Needs to be monitored</p> <p>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><b>Old Farms Rd. (115kV Underground work)</b></p>	<p><b>sections of silt fence need minor repair (re-stapling) as they have fallen off the stakes. 2/27/07</b></p> <p><b>A small pile of sediment, left from dewatering, is combined with snow and has the potential for turbid run-off to reach CB and nearby receiving wetland. 2/21-2/27/07</b></p> <p><b>Due to colder temperatures this week, run-off was not observed but new dewatering was occurring. 2/27/07</b></p>	<p><b>feasible and adjust controls as needed. 2/27/07</b></p> <p><b>Maintain CB protection until all sediment is removed from the site and disturbed areas have been stabilized. Since gutter buddies are removed for plowing, clear ice/snow from the drop inlet and replace controls as soon as possible. 2/21-2/27/07</b></p> <p><b>Also, see dewatering section.</b></p>	<p><b>Needs attention.</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p>	<p><b>Jurisdictional wetlands can be accessed now that ACOE permit is in hand. 2/27/07</b></p> <p><b>Small NFJ wetlands or low spots are being accessed for crossing. 2/27/07</b></p> <p><b>Turbid run-off resulting from the underground work along Old Farms Rd. was not observed at the volumes it was last week. Receiving wetlands along the roadway did not show signs of turbidity this week. 2/27/07</b></p>	<p><b>Approved work in wetlands will follow the permit guidelines. 2/27/07</b></p> <p><b>Mats are in place where appropriate. 12/11/06-2/27/07</b></p> <p><b>Ensure that drainage patterns are monitored.</b></p> <p><b>See access road and erosion control sections. Work out a schedule around the town to replace gutter buddies quickly after plowing. 2/21-2/27/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>Needs evaluation and attention</b></p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p><b>According to the D&amp;M plan, state-listed species are not located in the current work areas. 2/27/07</b></p>	<p><b>None 2/27/07</b></p>	<p><b>NA</b></p>
<p><b>Vegetative clearing or stabilization</b></p>	<p><b>Permits are obtained and vegetation clearing will resume shortly; several more weeks of work will be required to complete clearing. 2/27/07</b></p>	<p><b>Continue to retain appropriate vegetation for stabilization. Continue to monitor areas and mulch/temporarily stabilize as needed. 2/27/07</b></p>	<p><b>NA</b></p>

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	Vegetation was preserved in areas where invasive species were not dominant. 2/27/07	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 2/27/07	NA
Dewatering	Active dewatering was being performed at the underground work off Old Farms Rd. Small stone check dams were installed along the roadway to filter sediment. Sediment accumulation was noted along the gutter but water was filtered appropriately by the time it reached the CBs/ 2/27/07	Continue to monitor dewatering activities and adjust controls as needed. Clean sediment from the roadway, gutters and controls on a regular basis and by hand as necessary. 2/27/07	Stone check dams were installed along the roadway to filter water but regular attention is needed.
Blasting	No blasting is proposed. 2/27/07	None	NA
Spills, soils and material storage	Spill control materials are being brought to sites when work is performed. 2/27/07	Always use spill control materials when working on equipment and during refueling. Replace as needed. 2/27/07	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. 12/11/06-2/27/07	Continue to store equipment away from wetlands when possible. 2/27/07	NA
Old Farms Rd. (Equipment Storage Area)	Some trucks and equipment used for the underground work are being stored off Old Farms Rd. 2/27/07	Monitor controls and adjust as needed. Vehicles should be stored away from wetlands. 2/27/07	NA at this time.
	Portable sanitary facilities are located away from wetlands. 2/27/07	Sanitary facilities and hazardous materials should be stored away from wetlands and CB's. 2/27/07	NA
Additional Observations	Some non-project related debris dumping was noted at a few access points, including off	None. Noted for the record. 2/27/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<b>Stony Brook Rd. and a pile of asphalt off Old Farms Rd. 11/27/06-2/27/07</b>  <b>Asphalt dumped within the ROW off Old Farms Road is being used in underground work. 2/27/07</b>	<b>None.</b>	<b>Proactively removing asphalt pile for aesthetics</b>

**Next likely scheduled inspection:**

**Tuesday March 6, 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



**With the recent snow cover, turbid run-off from the access road was reduced along the High Hill Rd. section of ROW. Continue to monitor controls and make necessary upgrades.**



**Silt fence remains intact along South Turnpike. Continue to monitor the slope for erosion. Issues with run-off were not observed at this time.**



**The silt fence along the access road into the equipment storage area for the 115kV underground work could use minor repair (restapling) when feasible.**



**View of sediment accumulation along the gutter of Old Farms Rd. The gutter buddy was removed from the receiving catch basin so the the town could plow the roadway. Continue to provide regular street sweeping and sweep gutter by hand if necessary.**



**Concrete pouring and backfilling in the trench along Old Farms Rd.**



**Dewatering discharge set up to flow through several stone check dams to a CB on Old Farms Rd. Most sediment has been filtered out before the water enters the CB. Remove any sediment remaining on the road when work is complete.**



**View of a catch basin along Old Farms Rd. Liners are in place but gutter buddies were removed so the town could plow the roadway. Replace as soon as feasible so the curb drop inlet is protected.**



**View of one of the receiving wetlands along Old Farms Rd. There was no evidence of turbidity related to the project in the wetland at this time. However, issues were noted last week during thaw periods. Continue to monitor.**