

**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 1a Inspection**

**Date:** July 21, 2008

**Inspector:** Matthew Creighton

**Location:** Segment 1a – Scovill Rock Switching Station to Chestnut Junction, Oxbow Junction to Beseck Switching Station (excluding Royal Oak Bypass), and Black Pond Junction to Beseck Switching Station

**Rainfall:** 0.13” of precipitation was recorded in the week prior to inspection with 0.09 falling on 7/19 (NOAA data 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>Restoration is almost complete. 7/21/08</b>	<b>Monitor restored areas for stabilization. Add controls as needed. 7/21/08</b>	<b>Not Applicable (NA)</b>
<b>Scovill SS west to Chestnut Junction Scovill SS to Rte. 9 Rte. 9 to East Mount Rd.</b>	<b>Water bars/drainage ditches remain on permanent access roads. Haybales remain adjacent to wetlands in-between structures 24617 &amp; 24618 and upgradient of wetland #4 to prevent run off from Scovill to Rte 9. 7/21/08</b>	<b>Sweep Freeman Road and Rte 9 as needed. Monitor wetlands around the site for run-off. Monitor haybales for effectiveness. 7/21/08</b>	<b>NA</b>
	<b>Timber mats remain at the 1<sup>st</sup> saturated crossing off E. Mount Rd. 7/21/08</b>	<b>Monitor the area until stable. Remove mats upon completion of work. 7/21/08</b>	<b>NA</b>
<b>Oxbow Junction to Beseck SS Foot Hills Rd. to Durham Rd. (east) Powder Hill Rd.</b>	<b>Topsoil, hay, and seed remain at the reclaimed access roads and pad sites. 7/21/08</b>	<b>Monitor reclaimed areas for erosion and add controls as needed. 7/21/08</b>	<b>Grass growth noted.</b>
<b>Durham Rd</b>	<b>The stone access road in the large wetland system remains. During restoration it will be brought to grade and narrowed. A small area</b>	<b>Continue to monitor and prepare to reclaim the roadway when water levels are at their lowest. See inland wetland section. Be careful to</b>	<b>Restoration still scheduled here.  Conditions were currently dry</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Elihu Dr.; Rte. 157 (west) Private Driveway;</b></p> <p><b>Black Pond Junction to Beseck SS ROW, North of Beseck SS to Black Pond Jct.</b></p> <p><b>East Meriden SS</b></p>	<p><b>near the entrance has been reclaimed. 7/21/08</b></p> <p><b>The small rutted area remains filled with topsoil and seeded along the access road driveway (west of 157). 7/21/08</b></p> <p><b>Final grading and restoration complete from Beseck SS to Black Pond Jct. Water bars and controls remain in place to divert and filter turbid run-off from the wetlands. 7/21/08</b></p> <p><b>The fence and shrubs remain in place. The regraded access road remains mulched and seeded. 7/21/08</b></p>	<p><b>remove material here and reduce impacts. 7/21/08</b></p> <p><b>Monitor the reclaimed area for stabilization. See erosion control section. 7/21/08</b></p> <p><b>Monitor this area for final stabilization and repair controls as needed. See erosion control section 7/21/08</b></p> <p><b>Monitor for stabilization and add controls as needed along the slope. 7/21/08</b></p>	<p><b>NA at this time.</b></p> <p><b>NA at this time.</b></p> <p><b>NA at this time.</b></p>
<p><b>Foundation and site construction</b></p>	<p><b>With the exception of Durham Rd. and areas waiting for vegetation to establish, reclamation is largely complete in Seg 1A. 7/21/08</b></p>	<p><b>None at this time. 7/21/08</b></p>	<p><b>NA at this time.</b></p>
<p><b>Erosion and sediment controls Scovill SS west to Chestnut Junction</b></p> <p><b>Oxbow Junction to Beseck SS Oxbow Jct. to Durham Rd.</b></p>	<p><b>Water bars/drainage ditches are working well in this area. 7/21/08</b></p> <p><b>Restoration complete; however, some areas still appear sparsely vegetated. This is likely due to the hot weather inhibiting vegetative growth. 7/21/08</b></p> <p><b>Timber mats remain at the 1<sup>st</sup> crossing for access off East Mount Rd. 7/21/08</b></p> <p><b>Reclamation is complete from Oxbow Jct. to Durham Rd. Controls remain adjacent to sensitive areas and exposed areas remain</b></p>	<p><b>Continue to maintain and ensure water is directed to stable areas. 7/21/08</b></p> <p><b>Continue to monitor and add controls as needed. Monitor newly restored areas for vegetative cover and stabilization. 7/21/08</b></p> <p><b>Continue to use timber mats until work is complete. Monitor for stabilization. 7/21/08</b></p> <p><b>Monitor controls and maintain as needed. Monitor for final stabilization and vegetative cover. 7/21/08</b></p>	<p><b>NA at this time</b></p> <p><b>Additional seed may be needed in some locations during appropriate conditions.</b></p> <p><b>NA</b></p> <p><b>Grass growth noted in several areas.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Contractor Receiving Yard and Storage Area	<p>covered with hay and seed. 7/21/08</p> <p>Controls remain in good shape around the perimeter of the yard. The large exposed storage area (north west of yard) is almost stable with vegetative cover. 7/21/08</p> <p>Contractor has spread and graded the stockpiled soils from multiple sites around the yard as fill. The newly spread soil (and two remaining stockpiles) were mulched and seeded. 6/23-7/21/08</p>	<p>Monitor this area for stabilization and continue to maintain controls until stable. 7/21/08</p> <p>Monitor the yard and remaining stockpiles for erosion. Although it has been temporarily seeded, the stockpile located upgradient from the wetlands should be moved 6/23-7/21/08</p>	<p>NA at this time.</p> <p>Stockpile upgradient from the wetland needs attention.</p>
Durham Rd.	<p>Some controls are in place including fiber rolls adjacent to the stone pad at structure # 24521, which regularly floods. 7/21/08</p>	<p>Monitor carefully and reduce grade and width of the road to the maximum extent feasible. Be prepared to work on the area during the dry, low-flow period. 7/21/08</p>	<p>Needs careful monitoring. See Inland wetland section.</p>
Powder Hill Rd.	<p>Restoration is complete. Slopes appear to be well vegetated and stabilizing. 7/21/08</p>	<p>Controls should be maintained until the area is stable. 7/21/08</p>	<p>NA at this time.</p>
East of Beseck SS	<p>Haybales remain around the riprap sediment trap to filter any overflowing water from the basin. . 7/21/08</p>	<p>Continue to monitor the controls for effectiveness and add/replace as needed. 7/21/08</p>	<p>NA at this time.</p>
Black Pond Junction to Beseck SS ROW, North of Beseck SS to Black Pond Jct.	<p>All pads north of Beseck to Black Pond Jct. have been reclaimed well and the ROW is in good condition. All controls should remain in place until final stabilization has been achieved. 7/21/08</p>	<p>Continue to monitor and maintain controls until final stabilization and vegetative cover has established. Any silt fence will have to be removed upon stabilization. Sparse areas of vegetation may need to be reseeded. 7/21/08</p>	<p>Good grass growth is noted in many areas.</p> <p>Additional seed may be needed at Black Pond Jct.</p>
Inland Wetland and Watercourse encroachment and	<p>ACOE permit is in hand.</p>	<p>Perform work in wetlands under the permitted guidelines. 7/21/08</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>mitigation</b>	<b>In accordance with the D&amp;M Plan, all work occurring in and around wetlands should be expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. The majority of areas in this segment have been reclaimed. 7/21/08</b>	<b>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 7/21/08</b>	<i>Restoration is almost complete.</i>
Scovill SS west to Chestnut Junction	Timber mats have been removed except for the access at E. Mount and major crossing off Rte 9. 7/21/08	Remove remaining mats unless additional access is needed 7/21/08	Timber mats should be removed when feasible.
Oxbow Junction to Beseck SS Durham Rd.	Timber mats and some of the stone from the access road were removed from this area. 7/21/08 BSC was informed that ACOE is allowing this road to remain at or within 2" of the adjacent grade so that sheet flow can occur. The road will also be narrowed. 7/21/08	When restoration occurs, the road base will remain at grade (for structure access). Remove the appropriate amount of stone and narrow the road to the extent feasible (This will likely be 15 feet based on NU's needs). Be extremely careful during this work to reduce impacts. 4/21-7/21/08	Continue to monitor very carefully and be prepared to work when dry conditions allow. <i>Crews should take advantage of currently low water levels when rare species construction windows allow.</i>
Powder Hill Rd.	The major crossing near the pond remains but all other crossings and channels remain restored 7/21/08	Monitor the exposed areas and controls closely in this area until stabilization is complete. 7/21/08	Continue to monitor.
Black Pond Junction to Beseck SS Fleming Rd. High Hill Rd. South to East Meriden Substation and north to Black Pond	The braided stream channels at structure #24415 (near East Meriden Sub) remain in good shape and were flowing clear. 7/21/08	Trees previously cleared in the wetland have new growth sprouting from the stumps and the area should come back successfully in the growing season. Continue to monitor for erosion until full vegetative cover establishes. 7/21/08	Streams and wetlands were restored very well.
	Soil within wetlands north and south of High Hill Rd. and south of East Main St. and at Black Pond Jct. remain graded,	Monitor controls and soils until stabilized. See erosion controls section for more information. 7/21/08	Continue to monitor. Grass growth noted.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	seeded and mulched. 7/21/08		
<p><b>State species of concern, threatened and endangered species.</b></p> <p><b>Multiple ROW areas including: Scovill SS; Haddam Quarter Rd. To Foot Hills Rd.; Johnson Lane; Powder Hill Rd.; Contractor Storage Yard Pond; East of Beseck SS</b></p> <p><b>East Mount Rd.</b></p>	<p><b>Potential habitat for wood turtles exists at Ball Brook in this section. Contractors have avoided crossing this area. The pad and slope upgradient from the stream are reclaimed. 7/21/08</b></p> <p><b>A variety of wildlife has been noted in and adjacent to the majority of wetlands in the ROW at access and work areas. These are not state listed species, but indicate good habitat. 7/21/08</b></p> <p><b>An Eastern Box Turtle was observed crossing the ROW and access road off E. Mount Rd on 7/12/08</b></p>	<p><b>April 1<sup>st</sup> was the start of the wood turtles active season; If any additional access is needed here, sweeps have to be performed. 7/21/08</b></p> <p><b>Continue to be very mindful of controlling sediment and reducing access near wetlands used for amphibian breeding. Also monitor controls for effectiveness and be mindful that the controls can block foraging/ migrating wildlife 7/21/08</b></p> <p><b>Work in this area is complete however the area does not have full vegetative cover yet. Perform a sweep of this area prior any additional work or access. 7/21/08</b></p>	<p><b>NA at this time.</b></p> <p><b>Continue to monitor</b></p> <p><b>Eastern Box Turtle found crossing the ROW. Sweeps need to occur prior to any additional access.</b></p>
<p><b>Vegetative clearing or stabilization</b></p> <p>ROW west of Scovill Rock SS to Chestnut Junction; Oxbow Jct. to Durham Rd; Durham Rd (Golf course); to Beseck SS; ROW North of Beseck SS to Black Pond</p>	<p><b>These areas have been final graded, hayed, and seeded. Some pad sites are along slopes and may have issues with erosion during heavy rains. Controls remain in all exposed areas. Grass cover and revegetation noted in many areas. 7/21/08</b></p> <p><b>Some reclaimed pad sites remain fairly sparse, likely due to hot weather, inhibiting vegetative growth. This is most common in the Scovill Rock section. 7/21/08</b></p>	<p><b>Grass seed germination has slowed do to hot dry weather. Monitor all exposed areas and controls and maintain as needed, until stable. Remove any silt fence after an area has stabilized. 7/21/08</b></p> <p><b>Continue to monitor and consider re-seeding some of these areas during more favorable conditions. 7/21/08</b></p>	<p><b>Vegetative cover is increasing in many areas and portions of the ROW are well restored.</b></p> <p><b>Continue to monitor and reseed during appropriate conditions.</b></p>
<p><b>Dewatering</b></p>	<p><b>Dewatering is complete at this time. 7/21/08</b></p>	<p><b>Continue to restore areas as needed. 7/21/08</b></p>	<p><b>NA at this time.</b></p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Blasting</b>	<b>No blasting is proposed. 7/21/08</b>	<b>None 7/21/08</b>	<b>NA</b>
<b>Spills, soils and material storage All active areas</b>	<b>Spill controls move from site to site with the equipment. 7/21/08</b>	<b>Always use spill control materials when working on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 7/21/08</b>	<b>NA</b>
<b>Oxbow Junction to Beseck SS Contractor Receiving Yard and Staging Area</b>	<b>All construction materials have been removed from this area. Soil/stone stockpiles from the reclamation of multiple sites had been spread here. Areas are starting to revegetate. 7/21/08</b>	<b>The Middletown Water Dept. was contacted by the contractor to discuss the area. After a site visit, the contractor stated that the Dept. is satisfied with the condition of the yard. 7/21/08</b>	<b>The Middletown Water Dept. reviewed the site and is satisfied.</b>
	<b>All but two of the original piles have been spread, seeded and mulched. 7/21/08</b>	<b>Continue to locate equipment away from wetland inlets such as culverts and CBs. See erosion control section regarding stockpiles. 7/21/08</b>	<b>Stockpile upgradient of wetlands needs attention.</b>
<b>Additional Observations</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Next likely scheduled inspection:** Monday July 28, 2008

**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:** Matt Creighton, BSC Group

**Reviewer:** Diana Walden, BSC Group



**Haddam Quarter Rd: Recently installed culverted crossing. Wetland is currently dry.**



**Johnson Ln: View of vegetative growth/cover east toward Foot Hills R**



**Johnson Ln: Culverted crossing. Wetland is currently dry.**



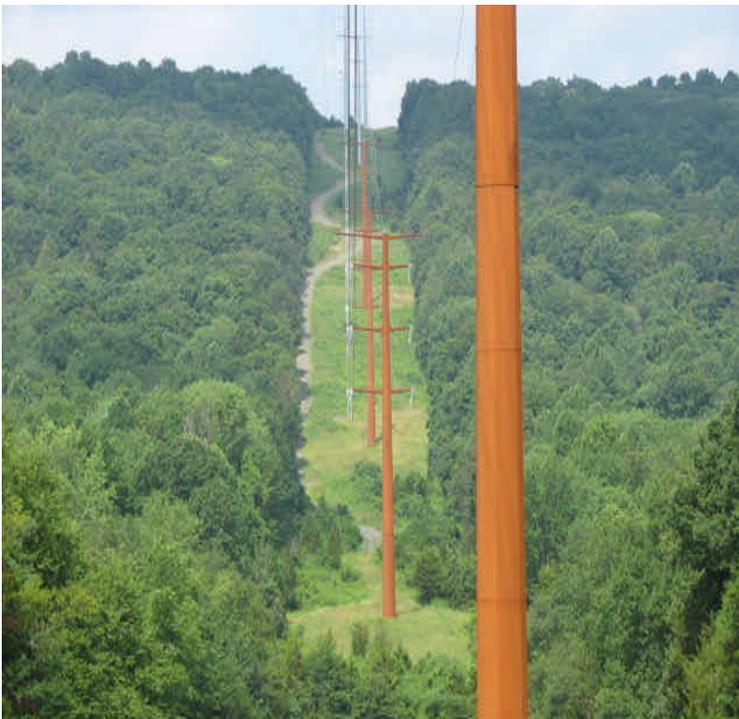
**Arbutus St: View of vegetative growth/cover looking east.**



**Arbutus St:** View of the Ball Brook crossing from Arbutus Rd west. The slope is filling in with vegetation; continue to monitor.



**Durham Rd:** Final pad to be removed within Durham Meadows. Some stone work was noted. Conditions appear to be drying out and crews should prepare to reclaim the area soon.



**Powder Hill Rd:** Vegetative growth/cover along the slope upgradient from the pond.



**North of E. Main St:** Vegetative growth/cover upgradient from the wetlands.