

**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:** May 27, 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:** 0.99” of precipitation was recorded in the week prior to inspection with 0.47” of the total reported on 5/27 (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>Scovill SS west to Chestnut Junction</b>	<b>Restoration is almost complete. Contractor is currently focusing on restoring Seg.2A. 5/27/08</b>	<b>Continue to sweep roadways and refresh stone as needed. Clean existing controls in CBs as necessary. 5/27/08</b>	<b>Not Applicable (NA)</b>
<b>Scovill SS to Rte. 9 Rte. 9 to East Mount Rd.</b>	<b>Culverts and or timber mats are in place at the access road wetland crossings. Timber mat stream crossings have been removed. 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. 5/27/08</b>	<b>Sweep Freeman Road and Rte 9 as needed. Monitor wetlands around the site for run-off. Monitor controls for effectiveness. 5/27/08</b>	<b>Restoration complete. Continue to monitor.</b>
	<b>Timber mats remain at the 1<sup>st</sup> saturated crossing off E. Mount Rd. but the 2<sup>nd</sup> has been final graded/restored 5/27/08</b>	<b>Continue to monitor. 5/27/08</b>	<b>Hydrology was intact at the 2<sup>nd</sup> crossing.</b>
	<b>Some sediment was noted within the wetlands in the portion of the ROW off E. Mount that leads to</b>	<b>Remove any sediment that has accumulated more than 2”, by hand, from the wetlands as</b>	<b>Sediment should be removed from the wetland as needed.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Oxbow Junction to Beseck SS Haddam Quarter Rd.</b></p>	<p><b>Oxbow Jct. 4/4-5/27/08</b>   <b>The permitted permanent access road remains in place. Stone fill bisects the wetland and no culverts were installed. 4/21-5/27/08</b></p>	<p><b>needed. 4/7-5/27/08</b>   <b>Contractors stated they will likely be installing a culvert to maintain the hydrologic connection within the wetland. Work may wait to be completed in a low flow period. 4/29-5/27/08</b></p>	<p><b>Needs evaluation.</b>  <i>Contractors will be installing a culvert in appropriate conditions.</i></p>
<p><b>Foot Hills Rd. to Durham Rd. (east) Powder Hill Rd.</b></p>	<p><b>Topsoil, hay, and seed remain at the reclaimed access roads and pad sites. 5/27/08</b></p>	<p><b>Monitor reclaimed areas for erosion and add controls as needed. 5/27/08</b></p>	<p><b>Restoration complete</b></p>
<p><b>Durham Rd</b></p>	<p><b>The stone access road in the large wetland system remains. During restoration it will be brought to grade and narrowed. A small area near the entrance has been reclaimed. 5/27/08</b></p>	<p><b>Stabilize exposed areas as soon as possible and continue to reclaim the roadway. See inland wetland section. Be careful to remove material here and reduce impacts. 5/27/08</b></p>	<p><b>NA at this time. Restoration still scheduled here.</b></p>
<p><b>Elihu Dr.; Rte. 157 (west) Private Driveway;</b></p>	<p><b>A small rutted area remains from equipment parking north side of access road driveway (west of 157) within an existing lawn. 4/29-5/27/08</b></p>	<p><b>Monitor the newly reclaimed area for stabilization. Hand grade and seed the rutted lawn area off private driveway. See erosion control section. 5/27/08</b></p>	<p><b>Lawn/ruts need attention.</b></p>
<p><b>Black Pond Junction to Beseck SS ROW, North of Beseck SS</b></p>	<p><b>Final grading/removal of the access roads and pads is complete except for a minor amount noted within the wetlands (immediately east of Beseck). All exposed areas have been mulched and seeded. 5/27/08</b></p>	<p><b>Continue to monitor for stabilization through vegetative cover. Contractors plan to remove the small amount of material by hand from wetlands. 5/27/08</b></p>	<p><b>Some grass growth was noted along the ROW.</b></p>
<p><b>Fleming Rd to Black Pond Jct.</b></p>	<p><b>Final grading and restoration complete from Fleming Rd. to Black Pond Jct. Water bars and controls remain in place to divert and filter turbid run-off from the wetlands. 5/27/08</b></p>	<p><b>Monitor this area for final stabilization and repair controls as needed. See erosion control section 5/27/08</b></p>	<p><b>NA at this time.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Foundation and site construction</b>	<b>With the exception of Durham Rd. and a few minor areas. Reclamation is largely complete in Seg 1A. Contractors mobilizing and starting final restoration of Seg 2A. 5/27/08</b>	<b>None at this time. 5/27/08</b>	<b>NA at this time</b>
<p data-bbox="186 510 464 630"><b>Erosion and sediment controls Scovill SS west to Chestnut Junction</b></p> <p data-bbox="186 1102 464 1222"><b>Oxbow Junction to Beseck SS Haddam Quarter Road to Durham Rd.</b></p> <p data-bbox="186 1654 464 1711"><b>Contractor Receiving Yard and Storage Area</b></p>	<p data-bbox="487 510 802 604"><b>Water bars/drainage ditches are working well in this area. 5/27/08</b></p> <p data-bbox="487 636 802 793"><b>Final restoration of pads and access roads complete through to Shunpike Rd. west. 5/27/08</b></p> <p data-bbox="487 825 802 1087"><b>Some accumulated sediment was noted within the wetland leading to Oxbow Jct. (since 4/7). Timber mats replaced at the 1<sup>st</sup> crossing for access. 5/27/08</b></p> <p data-bbox="487 1119 802 1381"><b>Reclamation was complete from Haddam Quarter Rd to Durham Rd Controls remain adjacent to sensitive areas and exposed areas remain covered with hay and seed. 5/27/08</b></p> <p data-bbox="487 1413 802 1633"><b>The permitted stone access road remains. It bisects the wetlands and a culvert was not installed, causing some ponding off Haddam Quarter. 4/21-5/27/08</b></p> <p data-bbox="487 1665 802 1885"><b>Controls remain in good shape around the perimeter of the yard. The large exposed storage area (north west of yard) remains covered with hay/seed. 5/27/08</b></p> <p data-bbox="487 1917 802 1980"><b>The stockpiled soils from Black Walnut Dr. stored</b></p>	<p data-bbox="821 510 1136 604"><b>Continue to maintain and ensure water is directed to stable areas. 5/27/08</b></p> <p data-bbox="821 636 1136 793"><b>Continue to monitor and add controls as needed. Monitor newly restored areas for vegetative cover and stabilization. 5/27/08</b></p> <p data-bbox="821 825 1136 1056"><b>Evaluate and remove any sediment accumulation over 2", by hand, from the wetlands. 4/7-5/27/08 Continue to use timber mats until work is complete. 5/27/08</b></p> <p data-bbox="821 1119 1136 1276"><b>Monitor controls and maintain as needed. Monitor for final stabilization and vegetative cover. 5/27/08</b></p> <p data-bbox="821 1413 1136 1633"><b>Monitor wetlands for flooding of the access road and erosion. Contractors will likely be installing a culvert here in a drier low flow period. 4/29-5/27/08</b></p> <p data-bbox="821 1665 1136 1791"><b>Monitor this area for stabilization and continue to maintain controls until stable. 5/27/08</b></p> <p data-bbox="821 1917 1136 1980"><b>Monitor for stabilization and remove when</b></p>	<p data-bbox="1154 510 1445 541"><b>NA at this time</b></p> <p data-bbox="1154 636 1445 699"><b>Final restoration complete.</b></p> <p data-bbox="1154 825 1445 888"><i>Contractor will remove sediment by hand.</i></p> <p data-bbox="1154 1119 1445 1150"><b>NA at this time.</b></p> <p data-bbox="1154 1413 1445 1497"><i>Contractors will be installing a culvert during appropriate conditions.</i></p> <p data-bbox="1154 1665 1445 1696"><b>NA at this time.</b></p> <p data-bbox="1154 1917 1445 1980"><b>Hay/seed applied on the old stockpile</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Durham Rd.	<p>in the upper yard have been temporarily stabilized with hay/seed. (Since 5/19) 5/27/08</p> <p>Stockpiles from the Scovill SS section are also being piled in the lower yard and will need to be stabilized. 5/19-5/27/08</p> <p>Timber mats/stone access road was removed west of Durham Rd. Some controls are in place including fiber rolls adjacent to the stone pad at structure # 24521 which regularly floods. 5/27/08</p>	<p>feasible. 5/27/08</p> <p>Add controls around the new stockpiles, stabilize, or remove in accordance with the D&amp;M plan. 5/19-5/27/08</p> <p>Monitor carefully and reduce grade and width of the road to the maximum extent feasible. Avoid entering/working on the access road when it is flooded. 5/27/08</p>	<p>New stockpiles will need controls.</p> <p>Needs careful monitoring. See Inland wetland section.</p>
Rte. 157 (east & west) & Elihu drive	<p>Small ruts from equipment were noted west of Rte. 157 along the private driveway within an area of lawn. 4/29-5/27/08.</p>	<p>Continue to monitor until final stabilization is achieved. Repair ruts by hand and seed when feasible. 4/29-5/27/08</p>	<p>Small ruts need attention.</p>
Powder Hill Rd.	<p>Restoration was complete. Hay, seed, and control remain in place. 5/27/08</p>	<p>Remove any sediment that had previously accumulated against the controls. Controls should be maintained until the area is stable. 5/27/08</p>	<p>NA at this time.</p>
East of Beseck SS	<p>Haybales are installed around the riprap sediment trap to filter any overflowing water from the basin. 5/27/08</p>	<p>Continue to monitor the controls for effectiveness and add/replace as needed. 5/27/08</p>	<p>NA at this time.</p>
Black Pond Junction to Beseck SS ROW, North of Beseck SS to Black Pond Jct.	<p>Pad #4534 within the wetlands (immediately to the east of BSS) still requires some additional low-impact work. 5/12-5/27/08</p> <p>All pads north of Beseck to Black Pond Jct. have been reclaimed well and the ROW is in good condition. All controls remain in place until final</p>	<p>See inland wetland section for more detail but some additional minor, low-impact restoration was agreed upon with the contractor. 5/12-5/27/08</p> <p>Continue to monitor and maintain controls until final stabilization and vegetative cover. 5/12-5/27/08</p>	<p>See inland wetland section.</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>stabilization has been achieved. 5/27/08</p> <p>The riprap channel remains in place at the existing drainage channel near E. Meriden SS and structure 24462. This was to help with previous erosion issues noted here. 5/27/08</p>	<p>Monitor this channel for effectiveness in cleaning water and preventing erosion. 5/27/08</p>	<p>Riprap channel appears to be working well.</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p> <p>Scovill SS west to Chestnut Junction</p> <p>Oxbow Junction to Beseck SS Haddam Quarter Rd.</p>	<p>ACOE permit is in hand.</p> <p>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 or are being reclaimed. 5/27/08</p> <p>Timber mats have been removed and only culverts remain in permanent wetland crossings except for the access at E. Mount, which was just recently restored. 5/27/08</p> <p>Sediment deposition was noted in a wetland in the segment of ROW that moves south to Oxbow Jct. 4/7-5/27/08</p> <p>Timber mats were removed and replaced with a permitted stone access. A culvert was not installed at the crossing but there is only surface water/overland flow vs a channel. 4/29-5/27/08</p>	<p>Perform work in wetlands under the permitted guidelines. 5/27/08</p> <p>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 5/27/08</p> <p>See erosion control and access road sections. If further access is needed in this area, mats should be reinstalled. 5/27/08</p> <p>Evaluate sediment and remove by hand. 4/7-5/27/08</p> <p>Monitor new crossing for erosion and flooding. Contractors will be installing a culvert to maintain the hydrologic connection, likely at a drier time of year to minimize additional disturbance. 4/29-5/27/08</p>	<p>NA</p> <p>Needs to be assessed. Restoration is almost complete.</p> <p>See erosion control section. Restoration is complete.</p> <p>Contractor will remove sediment by hand</p> <p>Needs evaluation. Contractors will be installing a culvert when appropriate.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Durham Rd.	Timber mats and some of the stone from the access road were removed from this area. 5/27/08 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. 5/27/08	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. 4/21-5/27/08	Reclamation will continue. Continue to monitor very carefully.
Powder Hill Rd.	The major crossing near the pond remains but all other crossings and channels remain restored 5/27/08	Monitor the exposed areas and controls closely in this area until stabilization is complete. 5/27/08	Continue to monitor.
East of Beseck SS	Some sediment and stone/soil from the old pad remain in the wetlands. (noted since 10/22) however, BSC evaluated this with B&M and agreed with their further assessment that native soils were also extremely stony in this area and that the previously proposed shaker attachment would likely remove too much material. 5/27/08	A few small areas of stone dust piles or trap rock remain in the pad and B&M agreed to clean up these areas by hand. 5/27/08	Area was evaluated and some minor, low-impact restoration will be provided.
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. 5/27/08  Exposed soil present within wetlands north and south of High Hill Rd. and south of East Main St. and at Black Pond Jct. have been graded and hay and seed	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. 5/27/08  Monitor controls and soils until stabilized. See erosion controls section for more information. 5/27/08	Streams and wetlands were restored very well.  Continue to monitor.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	spread. 5/27/08		
<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>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. 5/27/08</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. 5/27/08</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. 5/27/08</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 5/27/08</b></p>	<p><b>NA at this time.</b></p> <p><b>Continue to monitor</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 were remain and remain in all exposed areas. Grass cover and revegetation noted in many areas. 5/27/08</b></p>	<p><b>Grass seed has started to germinate now do to warmer weather. Monitor all exposed areas and controls and maintain as needed, until stable. 5/27/08</b></p>	<p><i>In all areas, be aware of limits of clearing and stick to the specifications of the D&amp;M plan</i></p> <p><b>Grass growth is occurring in seeded areas.</b></p>
<p><b>Dewatering</b></p>	<p><b>Dewatering is complete at this time and basins have been removed. 5/27/08</b></p>	<p><b>Continue to restore areas as needed. 5/27/08</b></p>	<p><b>NA at this time.</b></p>
<p><b>Blasting</b></p>	<p><b>No blasting is proposed. 5/27/08</b></p>	<p><b>None 5/27/08</b></p>	<p><b>NA</b></p>
<p><b>Spills, soils and material storage</b> All active areas</p> <p><b>Oxbow Junction to Beseck SS Contractor Receiving Yard and Staging Area</b></p>	<p><b>Spill controls move from site to site with the equipment. 5/27/08</b></p> <p><b>Materials are being stored in this area. Fuel tanks are not present. Soil stockpiles were being</b></p>	<p><b>Always use spill control materials when working on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 5/27/08</b></p> <p><b>Continue to locate hazardous materials and equipment away from wetland inlets such as</b></p>	<p><b>NA</b></p> <p><b>See erosion control section</b></p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>stored here. 5/27/08</b>	<b>culverts and CBs. See erosion control section regarding stockpiles 5/27/08</b>	
<b>Additional Observations</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Next likely scheduled inspection:**

**Monday June 2, 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





**West of Scovill SS: Final grading and reclamation complete.**



**West of Scovill: Final grading and stabilization measures complete. Controls remain in place as needed above sensitive/resource areas. When areas have established cover, silt fence will need to be removed**



**West of Scovill SS: Final grading along the edge of the access road complete.**



**Shunpike Rd East: Final restoration complete off Shunpike Rd. It appears other vehicles are tracking through this area.**



**East Mount Rd: Second wetland crossing removed and final graded. Hydrology remains intact but a small amount of sediment was noted downstream.**



**East Mount Rd: Tadpoles within the wetlands at the second crossing**



**Contractor Yard: Stockpiling soils from restoration at Scovill SS to Chestnut Jct. Remove or stabilize as feasible.**



**BSS North: Final restoration complete. Grass growth noted in reclaimed areas along the ROW.**