

**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:** January 15, 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:** 1.43” of precipitation was recorded in the week prior to inspection with 0.93” reported on 1/11 (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>Access roads and stone tracking pads are installed along the ROW. 1/15/08</b>	<b>Continue to sweep roadways and refresh stone as needed. Clean existing controls in CBs as necessary. 1/15/08</b>	<b>Not Applicable (NA)</b>
<b>Scovill SS west to Chestnut Junction</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. Several timber mat stream crossings remain at the old access road east of Scovill SS. Several water bars/drainage ditches were noted along slopes on these access roads. 1/15/08</b>	<b>Sweep Freeman Road and Rte 9 as needed. Monitor wetlands around the site for run-off. Controls should be added as needed to protect sensitive areas. Monitor mats for sediment accumulation. 1/15/08</b>	<b>NA</b>
<b>Oxbow Junction to Beseck SS</b>			
<b>Haddam Quarter Rd. (Oxbow Junction); Johnson Ln; Foot Hills Rd.; Arbutus Street; Little Ln.; Cherry Hill Rd.; Elihu Dr.; Rte. 157 (west) Private Driveway; Valley View Dr.;</b>	<b>Timber mats are in place along the access roads at wetland crossings. Controls remain in place at all wetlands and no issues have been noted. 1/15/08</b>	<b>Continue to add controls where needed, i.e. mulch, check dams, silt fence, to control sediment and prevent erosion. Sweep roadways as needed. See erosion control section. 1/15/08</b>	<b>NA</b>
<b>Durham Rd</b>	<b>Stone access road/pads are in place to structure # 24521. Timber mats and</b>	<b>Sweep Durham Rd. as needed. Provide timber mats to reduce impact if</b>	<b>Needs evaluation</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Durham Rd. to Elihu Dr.	<p>a culvert remain in place in the wetlands. Access road stone is sinking/ compressing into the wetland in some locations. 9/4-1/15/08 Sediment is migrating/ accumulating over the stone road and pad (since 10/9). 1/15/08</p>	<p>further access is necessary. Contractors are working to determine the status of this road. See wetland section for more details. 1/15/08</p>	
	<p>Several small eroded ruts noted along the slope at the access road. Area is not in the vicinity of the wetlands. 12/26-1/15/08</p>	<p>Monitor the area and repair ruts when feasible. 1/15/08</p>	<p>Needs maintenance when feasible.</p>
	<p>Deep ruts remain where equipment had driven into the wetlands. (since 12/10) Half of the access road is flooded from the adjacent wetlands. 1/7-1/15/08</p>	<p>Regrade/stabilize the disturbed areas. 12/10-1/15/08 However, stay out of flooded areas to the extent feasible. Controls will be needed if work/access occurs in flooded areas in order to prevent turbid run-off. 1/15/08</p>	<p>Needs attention.</p>
	<p>Heavy ruts were noted at the end of timber mats in the golf course. 12/3-1/15/08 When the area is active, turbid water is noted at the wetland crossing to structure #24520 and timber mats are compressing into the mud 11/26-1/15/08</p>	<p>Repair ruts and stabilize and consider adding additional mats. Add controls as needed during construction. Add controls along the edge of the mats within the wetlands to prevent turbid water. 11/26-1/15/08. Work in this area is almost complete. 12/10- 1/15/08</p>	<p>Needs attention.</p>
East of Beseck SS	<p>A stone pad remains in place at the original ROW access off Carpenter Ln. in order to prevent sediment tracking. Stone that had been migrating from the access road has been removed from the roadway and BSS entrance. 1/15/08</p>	<p>Carpenter Lane should be swept and stone removed on a regular basis. 1/15/08</p>	<p>Stone was removed from the roadway.</p>
	<p>Turbid run-off from the access road has been</p>	<p>Add controls as needed to the access road adjacent</p>	<p>Needs evaluation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Black Pond Junction to Beseck SS ROW, North of Beseck SS</p> <p>South of High Hill Rd. crossing (vicinity of East Meriden SS)</p>	<p>previously observed in the sediment trap associated with Beseck but was not an issue this week. 1/15/08</p> <p>Water bars remain along the access road to divert run-off. Grass growth and vegetation is helping to reduce erosion and filter stormwater but more stabilization may be necessary where water is diverted. 1/15/08</p> <p>Sediment tracking was noted on timber mats off High Hill Rd. 1/7-1/15/08</p> <p>Access road crosses several streams and wetlands in this section. 1/15/08</p> <p>Timber mats and sediment remain in place over the riprap stream bypass following active work here. 10/9-1/15/08</p>	<p>to the sediment trap. 1/15/08</p> <p>Continue to monitor and adjust controls as needed. This area is associated with the wetlands northeast of Beseck. New haybales or silt fence should be considered to filter stormwater leaving the access road at water bars. 1/15/08</p> <p>Provide controls in an effort to reduce tracking 1/7-1/15/08</p> <p>Monitor area for run-off and add controls as needed. 1/15/08</p> <p>Monitor this area closely as access is directly over the stream bypass. Add more controls as needed. Regrade and stabilize the area as soon as possible. 10/9-1/15/08</p>	<p>Continue to evaluate.</p> <p>Needs regular attention</p> <p>Needs to be monitored/evaluated.</p> <p>Needs to be monitored/evaluated.</p>
<p>Foundation and site construction Oxbow Junction to Beseck SS</p> <p>Black Pond Junction to Beseck SS</p>	<p>Line work was underway at Powder Hill Rd and from Durham Rd east to Little Ln. 1/15/08</p> <p>Line pulling work was underway from East Meriden SS north to Black Pond. 1/15/08</p>	<p>Maintain controls as needed during construction. 1/15/08</p> <p>Continue to monitor and maintain controls as needed. 1/15/08</p>	<p>NA</p> <p>NA</p>
<p>Erosion and sediment controls All areas</p> <p>Scovill SS west to Chestnut Junction Scovill SS to Rte. 9</p>	<p>As crews had been plowing snow to reach some work sites, they have the potential to damage controls and push snow into wetlands. 1/15/08</p> <p>Water bars/drainage ditches are in place</p>	<p>Caution should be taken when plowing access roads not to damage controls or place snow over controls in wetlands. 1/15/08</p> <p>Continue to repair any deteriorated water bars.</p>	<p>Needs regular attention</p> <p>NA</p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
Rt 157 (east & west) & Elihu drive	<p>structure #24520, as a result of timber mats compressing in the soil (since 11/26/07). 1/15/08</p> <p>Controls were in place along pad sites. 1/15/08.</p>	<p>Continue to monitor until final stabilization is achieved. 1/15/08</p>	<p>NA</p>
Powder Hill Rd.	<p>Numerous controls remain in place along the access road. Filter socks and haybales remain upgradient of the stream and pond (both sides) at the base of slope. Sediment accumulation has occurred at the controls. 8/20-1/15/08</p>	<p>Remove sediment accumulated around the controls and vegetation. Stream crossings/culverts are temporary and will be removed at the end of the work. Turbid run-off has not been noted recently however, continue to monitor during large storms. 1/15/08</p>	<p>Some controls are working well but sediment accumulation needs proactive attention/evaluation when feasible.</p>
	<p>Controls along the access roads on the slopes of Beseck Mtn have deteriorated however; the well-established vegetation appears to filter almost all of the run-off. 1/15/08</p>	<p>Controls should be maintained along the access road as needed especially around wetlands. Remove and stabilize the access road upon completion of work to provide final restoration for the site. 1/15/08</p>	<p>Controls need maintenance along the access road.</p>
East of Beseck SS	<p>Silt fence was added near the riprap trap (11/19) but was not able to keep turbid water out of the trap and overflowing into the wetland. (11/19 &amp; 12/3). 1/15/08</p>	<p>Consider adding stone to the portion of access road adjacent to wetlands. 11/12-1/15/08</p>	<p>Needs attention.</p>
West of Beseck SS	<p>The area west of Beseck SS remains mulched and seeded. 1/15/08</p>	<p>Continue to monitor until final stabilization is achieved. Adjust controls as necessary. 1/15/08</p>	<p>NA at this time.</p>
Black Pond Junction to Beseck SS ROW, North of Beseck SS to East Meriden Substation	<p>Prior to the winter, some grass cover had been noted on reclaimed pad sites north of Beseck. 1/15/08</p>	<p>Continue to monitor for final stabilization and cover. 1/15/08</p>	<p>NA</p>
Fleming Road	<p>A line of haybales surrounded by two lines of silt fence is in place.</p>	<p>Monitor, adjust, and extend controls as needed. Continue to</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>South of High Hill Rd. (vicinity of East Meriden Substation)</p>	<p>Adjacent slopes remain mulched for stabilization. 1/15/08</p> <p>The foundation is in place above the riprap stream channel bypass. The area appears contained. Controls are in place around the pad. 1/15/08</p>	<p>remove sediment from controls as needed. 1/15/08</p> <p>Monitor this area closely as the site is still disturbed and adjacent to a stream. (since 10/15) Stabilize within the D&amp;M timelines if work is not returning. The area is over 21 days. 11/26-1/15/08</p>	<p>Restoration needed per approved timelines.</p>
<p>South of High Hill Rd.</p>	<p>Foundation installation complete (as of 10/29). A large, disturbed area was noted upgradient from wetlands since 10/22 but controls have been installed as of 11/19/07. Disturbed soil remains around the stream channel. 11/19-1/15/08</p>	<p>Watch timelines for restoration. Areas should be temporarily stabilized when work will not return in 21 days (per D&amp;M). Temp. stabilization will require more than sediment controls in place. Attend to the stream as soon as possible. 11/19-1/15/08</p>	<p>Controls were installed but restoration is needed within timelines.</p>
<p>High Hill Rd. (north to Black Pond)</p>	<p>Foundation installation at the edge of the wetlands north of High Hill Rd to E. Main St. was complete (as of 10/29). Large areas of exposed soil are present. Controls are still needed adjacent to wetlands at some pad sites north of High Hill Road. 10/29-1/15/08</p> <p>The sub-base lay down site remains within the wetlands in order to access an existing pole. Controls remain in place. 12/10-1/15/08</p> <p>Snow and stone have been removed from the wetlands resulting from past snow plowing activities. Controls were also installed at to the wetland south of East Main St. which has had exposed soil adjacent to it</p>	<p>Add controls upgradient from wetlands and at timber mats. Watch timelines for restoration. Areas should be temporarily stabilized when work will not return in 21 days (per D&amp;M). 11/5-11/19/07 This area is over 21 days.11/19-1/15/08</p> <p>In accordance with the D&amp;M expedite activities within the wetlands and remove gravel/restore the area as soon as possible. 12/10-1/15/08</p> <p>Snow should never be plowed into wetlands as it deposits sediment/ stone in the wetland. Provide temporary stabilization to the exposed soil in the approved timelines if active work is not returning. 1/15/08</p>	<p>Needs attention and restoration.</p> <p>Needs to be monitored and expedited.</p> <p>Snow and stone removed from wetlands.</p> <p>Controls were added.</p>
<p>North of East Main Street</p>			



Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Powder Hill Rd.</b></p> <p><b>East of Beseck SS</b></p> <p><b>Black Pond Junction to Beseck SS Fleming Rd. High Hill Rd. South to East Meriden Substation and north to Black Pond</b></p>	<p><b>1/15/08</b></p> <p><b>The access road is largely underwater. 12/31/07 Large, deep ruts remain in the wetlands from the equipment access several weeks ago. 12/17-1/15/08</b></p> <p><b>Controls remain around the pad the edge of wetlands within the golf course, but turbid run-off is entering the wetlands from the access road during active times. 11/26-1/15/08</b></p> <p><b>Several smaller streams remain culverted. Some accumulated sediment from past heavy rains has been noted in the wetland areas here at Beseck Mtn. However, vegetation was noted growing on top of the sediment. 1/15/08</b></p> <p><b>A pad is in place just upgradient from wetlands here. Sediment and stone/soil from the old pad remain in the wetlands. (noted since 10/22) Turbid water was noted in the outlet during heavy rains from the access road. 1/15/08</b></p> <p><b>The stream at structure 24415 (near East Meriden Sub) had previously been re-routed through a riprap channel and culvert. Timber mats remain over the riprap channel for foundation 24464 on the final line. Controls are in place around the area.</b></p>	<p><b>contractors. 10/9-1/15/08</b></p> <p><b>More controls will be needed if access occurs. Avoid if feasible. 12/31-1/15/08</b></p> <p><b>Area needs to be carefully graded and stabilized once conditions allow access. 12/31-1/15/08</b></p> <p><b>Monitor this area closely and continue to add controls as needed. See access roads section. 1/15/08</b></p> <p><b>All crossings are temporary and will require restoration at the end of the work. Where exposed sediment is greater than 2", it should be removed carefully by hand from the wetland. 1/15/08</b></p> <p><b>Remove any stone/soil accumulation in the wetlands during final restoration of the site. This should happen before vegetation establishes further, reducing the possibility that material will be removed. 10/22-1/15/08</b></p> <p><b>Monitor controls closely. Perform final restoration in all areas when feasible. Provide temporary stabilization sufficient for winter months on any areas of exposed soil. 1/15/08</b></p>	<p><b>Avoid area if feasible.</b></p> <p><b>Needs attention.</b></p> <p><b>Needs attention.</b></p> <p><b>Needs evaluation/attention when access is complete.</b></p> <p><b>Additional attention is needed.</b></p> <p><b>Restoration needed within timelines.</b></p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Adjacent areas including the restored stream are seeded, with grass growth but are not fully stable. 11/12-1/15/08</p> <p>Timber mats remain within the wetland south and north of High Hill Rd. Areas of exposed soil are present adjacent to wetlands here and south of East Main St. 11/5-1/15/08</p> <p>The sub-base lay down pad remains in the wetlands north of High Hill Rd. 1/15/08</p> <p>The snow mixed with sediment pushed into the wetlands south of East Main St. during plowing activities (on 12/26) has been removed and controls have been installed. 1/15/08</p>	<p>Monitor controls and stabilize soils as soon as possible. See erosion controls section. Stabilize in accordance with D&amp;M timelines. 1/15/08</p> <p>Expedite work and remove gravel and restore as soon as possible. 12/10-1/15/08</p> <p>Snow should never be placed/plowed into wetlands due to the sediment it contains. 12/26-1/15/08</p>	<p>Restore as soon as possible.</p> <p>Needs to be expedited.</p> <p>Snow/sediment was removed and controls were added.</p>
<p>State species of concern, threatened and endangered species.</p> <p>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</p>	<p>Potential habitat for wood turtles exists at Ball Brook in this section. Contractors have avoided crossing this area through the access road in from Black Walnut Dr. 1/15/08</p> <p>A variety of wildlife has been noted in and adjacent to the majority of wetlands in the ROW at access and work areas. Turtles, frogs, fish, salamanders, tadpoles, several different types of egg masses, deer, small mammals, coyote pups, red fox, and wild turkeys have been observed during past inspections. These are not state listed species, but indicate good habitat. 1/15/08</p>	<p>November 1<sup>st</sup> was the start of the wood turtles dormant season; Sweeps at this last pad can cease until the active season begins in April. 1/15/08</p> <p>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 1/15/08</p>	<p>NA at this time</p> <p>Continue to monitor</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Vegetative clearing or stabilization</b></p> <p>ROW west of Scovill Rock SS to Chestnut Junction Powder Hill Rd.; Little Lane; Durham Rd; Black Walnut Dr; Valley View Dr.; Rte 157; ROW North of Beseck SS to Black Pond</p> <p>Remaining work areas</p> <p>North of High Hill Rd. South of East Main St.</p>	<p>The clearing that had been performed is largely complete in these areas. Some pad sites are along slopes and may have issues with erosion during heavy rains. Most disturbed soil areas have been mulched and seeded as needed. Grass cover and revegetation noted in many areas. 1/15/08</p> <p>Contractors have stated that as of the 1<sup>st</sup> of the year, several areas will undergo final grading and temporary stabilization measures (weather permitting) as site work should be complete at that time in most places. 1/15/08</p> <p>In the vicinity of East Meriden SS, a washout/gully was beginning to form in a step slope of a pad that had previously been mulched. 1/7-1/15/08</p> <p>Some large areas of exposed soil remain adjacent to wetlands in these sections. 1/15/08</p>	<p>Retain species approved by the D&amp;M plan wherever feasible. Continue to stabilize areas and monitor for vegetative cover. 1/15/08</p> <p>Grass seed will not germinate now do to weather so alternative stabilization measures should be considered.</p> <p>The D&amp;M states that areas should be temporarily stabilized if work will not return in 21 days. At this time, winter stabilization measures will be needed (including mulch w/binders as needed). Silt fence/ haybales/ fiber rolls alone are not sufficient. 11/26-1/15/08</p> <p>Monitor and ensure the area is stable. 1/15/08</p> <p>Maintain controls and monitor for vegetative growth. Attend to the remaining areas within the approved timelines. 11/12-1/15/08</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>Contractors have provided a schedule but weather may not cooperate. Needs attention within timelines provided</p> <p>Needs to be monitored</p> <p>Needs attention within timelines</p>
<p><b>Dewatering</b></p> <p>Oxbow Junction to Beseck SS</p> <p>Black Pond Junction to Beseck SS North of Beseck SS to East Meriden Substation</p>	<p>Dewatering will continue at new foundations as needed. 1/15/08</p> <p>Dewatering basins remain in place at some pad sites. 1/15/08</p>	<p>Continue to restore areas that are inactive. 1/15/08</p> <p>Continue to restore areas within timeframes. 1/15/08</p>	<p>NA</p> <p>Continue working on restoration</p>
<p><b>Blasting</b></p>	<p>No blasting is proposed. 1/15/08</p>	<p>None 1/15/08</p>	<p>NA</p>
<p><b>Spills, soils and material storage</b></p>	<p>Spill controls move from site to site with the</p>	<p>Always use spill control materials when working</p>	<p>NA</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>All active areas</b>	<b>equipment. 1/15/08</b>	<b>on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 1/15/08</b>	
	<b>Concrete washout containment was noted in the form of lined, dug basins in several locations. 1/15/08</b>	<b>Provide appropriate containment for washouts. Be especially careful of concrete containment near wetlands. Remove the material once work is complete. 1/15/08</b>	<b>NA at this time.</b>
<b>Oxbow Junction to Beseck SS Arbutus St.</b>	<b>Sanitary facility has been righted at the ROW entrance in this location. 1/15/08</b>	<b>Confirm whether affect soils were cleaned/ removed prior to snow cover. 1/15/08</b>	<b>Needs confirmation or attention.</b>
<b>Contractor Receiving Yard and Staging Area</b>	<b>Materials are being stored and structures staged in this area. Fuel tanks are not present. 1/15/08</b>	<b>Continue to locate hazardous materials and equipment away from wetland inlets such as culverts and CBs. 1/15/08</b>	<b>NA</b>
<b>Little Lane</b>	<b>Stockpiles were being removed during the inspection. 1/15/08</b>	<b>Add controls to disturbed areas as needed and stabilize as soon as possible. 1/15/08</b>	<b>Stockpiles were being removed.</b>
<b>Black Pond Junction to Beseck SS</b>	<b>Some equipment and supplies are being stored here. A large spill kit is stored onsite. 1/15/08</b>	<b>Always store equipment and supplies away from sensitive areas. Monitor and maintain equipment as needed and provide housekeeping on a regular basis. 1/15/08</b>	<b>NA at this time</b>
<b>Additional Observations</b>	<b>None. 1/15/08</b>	<b>None. 1/15/08</b>	<b>NA</b>

**Next likely scheduled inspection:** Tuesday January 22, 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



**Arbutus St: Sanitary facility has been placed upright. Confirm whether affected soils were cleaned up and removed prior to snow cover. If not, attention is still needed.**



**Controls remain upgradient from Ball Brook at the end of the Black Walnut Dr. entrance access road.**



**Little Lane: Stockpile removal underway. Line pulling activities were also occurring.**



**Durham Rd: Line work was underway within the transfer station land**





**Powder Hill Rd:** Line work underway between here and Little Lane.



**High Hill Rd:** Provide controls in order to reduce sediment tracking on the timber mats as needed. Controls are still needed upgradient from wetlands in this section.



**E. Meriden SS:** Line work underway between here and Black Pond Jct.



**South of East Main Street:** Snow and associated sediment have been removed from the wetlands and controls have been installed.