

**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 16, 2007

**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:** 0.46” of precipitation was recorded in the week prior to inspection, with 0.40” reported on 7/15 (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>Most work areas (including Oxbow Junction, Black Pond, Contractor Receiving Yard, Valley View Dr., Rte. 157, High Hill Rd., East Main Street, Fleming Rd.; Black Walnut Dr.)</b>	<b>Access roads and stone tracking pads are in place at the ROW entrance in these locations. Associated roadways were free of project related sediment at this time. 7/16/07</b>	<b>Sweep the roadways and refresh stone as needed. Clean existing controls in CBs as necessary. 7/16/07</b>	<b>Not Applicable (NA)</b>
<b>Scovill SS west to Chestnut Junction</b>	<b>Access road and pads are install from Rte. 9, east past Scovill SS. Silt fence remains along some of the wetlands. Culverts are in place at some of the wetland crossings with minimal flow noted in the streams. Several stream crossings, via timber mats remain at the old access road east of Scovill SS. 7/16/07</b>	<b>Clean sweep Freeman Road and Rte 9 as needed. Monitor wetlands at and around the site for run-off and add controls as needed. See erosion control section. 7/16/07</b>	<b>NA</b>
	<b>Mulch is being applied to previously disturbed areas adjacent to the access road and pads. 7/16/07</b>	<b>Continue to stabilize areas whenever feasible 7/16/07</b>	<b>Mulch was applied proactively.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Oxbow Junction to Beseck SS</p> <p>Haddam Quarter Rd. (Oxbow Junction); Johnson Ln; Foot Hills Rd.; Arbutus Street; Little Ln.; Cherry Hill Rd.; Elihu Dr.; Rte. 157 (west) Private Driveway; Powder Hill Rd.; Valley View Dr.; East of Beseck SS</p>	<p>All access roads and pad sites have been installed along the majority of this section of ROW. Timber mats used to cross wetlands as needed. Controls have been installed at all wetlands and no issues have been noted. 7/16/07</p>	<p>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. 7/16/07</p>	<p>NA</p>
<p>Durham Rd</p>	<p>Work stopped at one foundation west of Durham Rd. Timber mats remain in place for accessing pads in wetlands. 7/16/07</p>	<p>Clean/sweep Durham Rd. as needed. See erosion control section. 7/16/07</p>	<p>NA</p>
<p>Durham Rd. to Elihu Dr.</p>	<p>Access roads and pad site installation on hold until winter. 7/16/07</p>	<p>Add controls as needed during access road installation. 7/16/07</p>	<p>NA</p>
<p>Elihu Dr.</p>	<p>No drainage issues were noted since the pipe has been repaired. 7/16/07</p>	<p>Monitor area until grass growth has established. 7/16/07</p>	<p>NA</p>
<p>Rte. 157 (west) Private Driveway</p>	<p>Private dirt driveway being used to access a pad site. A section of lawn was damaged from equipment accessing the ROW. 4/23-7/16/07</p>	<p>Maintain and adjust controls as needed. Work with landowner to repair the area of lawn as needed. 4/23-7/16/07</p>	<p>Needs attention and evaluation at completion of work in the area.</p>
<p>East of Beseck SS</p>	<p>The new timber mat staging area remains across the wetlands east of Beseck SS. Controls were not in place 6/11-7/16/07</p>	<p>Controls needed to be installed/extended to prevent sediment from entering the adjacent wetlands. 6/11-7/16/07</p>	<p>Needs evaluation/attention</p>
<p>Black Pond Junction to Beseck SS ROW, North of Beseck SS</p>	<p>Water bars are in place along the access road to divert turbid run-off to lines of staked haybales 7/16/07</p> <p>Stone pads, new staging areas, and accesses north of Beseck SS are complete. 7/16/07</p>	<p>Continue to monitor and adjust controls as needed. 7/16/07</p> <p>Monitor area for run-off and add controls as needed. 7/16/07</p>	<p>NA</p> <p>NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>South of High Hill Rd. crossing (vicinity of East Meriden SS)</p> <p>North of High Hill Rd. crossing (north to Black Pond)</p>	<p>Access road crosses several streams and wetlands in this section 7/16/07</p> <p>Access road is in place off East Main Street, within a condo development and to the north of E. Main St. Area looks good; no tracking noted. Fiber rolls in place along the slope. 7/16/07</p>	<p>Continue to adjust and maintain controls as needed. See erosion controls section. 7/16/07</p> <p>Monitor tracking into the development parking lot and sweep as needed. Continue to add controls as work progresses. 7/16/07</p>	<p>NA</p> <p>NA</p>
<p>Foundation and site construction Scovill SS west to Chestnut Junction</p> <p>Oxbow Junction to Beseck SS Oxbow Jct. to Haddam Quarter Rd. to Foot Hills Rd. to Arbutus Street</p> <p>Black Walnut Dr. (east)</p> <p>South of Contractor Yard Along Rte. 17 and Little Lane</p> <p>Cherry Hill Rd. (east &amp; west)</p> <p>Durham Rd.</p> <p>Black Pond Junction to Beseck SS ROW, North of Beseck SS to Black Pond Jct.</p>	<p>Access road upgrade and pad construction is complete. Foundation drilling continues at one pad site. 7/16/07</p> <p>Pole installation was underway at Johnson Lane. Minor clearing was noted at Arbutus St. 7/16/07</p> <p>The foundation installation was complete at the last pad upgradient from the Ball Brook habitat. 7/16/07</p> <p>Structures are in place here at the point where 1A and 1B rejoin. 7/16/07</p> <p>No new work since several pole/structures were installed. 7/16/07</p> <p>No new work since the foundation was installed within the wetland. 7/16/07</p> <p>Installation of several new foundations was completed. New poles were also installed in some locations. Line pulling and work is underway from Black Pond Jct. to Beseck SS.</p>	<p>Monitor and add controls as needed. See erosion control section. 7/16/07</p> <p>Monitor and add controls as needed. 7/16/07</p> <p>Monitor and add/adjust controls as needed. See state listed species section. 7/16/07</p> <p>Monitor and add/adjust controls as needed. 7/16/07</p> <p>Continue to monitor. No run-off issues were noted. 7/16/07</p> <p>Controls appear to be needed. See erosion control and dewatering sections. 6/18-7/16/07</p> <p>Continue to monitor controls in this area and stabilize soils as soon as possible. 7/16/07</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Contractor Receiving Yard and Storage Area</b></p>	<p><b>Bark mulch, haybales and filter socks remain along the steep slope of the pad upgradient of Ball Brook. 7/16/07</b></p> <p><b>A few fiber rolls have been run over along the access drive. 2/12-7/16/07</b></p> <p><b>Silt fence and fiber rolls are in place at the perimeter of the yard and along drainage areas/swales but several sections have fallen. 4/23-7/16/07</b></p>	<p><b>7/9/07 Check sediment traps for accumulated sediment. 7/16/07</b></p> <p><b>Continue to adjust controls as needed and ensure that the filter socks and drainage ditches are adequate to filter run-off. 7/16/07</b></p> <p><b>Repair/replace damaged fiber rolls as needed. 2/12-7/16/07</b></p> <p><b>Continue to add, maintain, and monitor controls as necessary. Repair fallen/untoed sections of silt fence 4/23-7/16/07</b></p>	<p><b>NA</b></p> <p><b>Needs repair when feasible.</b></p> <p><b>Needs repair</b></p>
<p><b>South of Contractor Yard Along Rte. 17 and Little Lane</b></p>	<p><b>Silt fence typically filters turbid run-off before it leaves site. Mulch is in place in some areas. 7/16/07</b></p>	<p><b>Monitor and reinforce controls to ensure they adequately filter run-off 7/16/07</b></p>	<p><b>NA</b></p>
<p><b>Cherry Hill Rd. (west)</b></p>	<p><b>Timber mats are in place but controls have not been added. (noted 4/2). 7/16/07</b></p>	<p><b>Continue to monitor slope for tracking and erosion. Ensure that controls are adequate to control run-off. 7/16/07</b></p>	<p><b>NA</b></p>
<p><b>Durham Rd.</b></p>	<p><b>The foundation is in place west of Durham Rd. Run-off was clear but controls were still not in place (noted since 6/11). 7/16/07</b></p>	<p><b>Erosion controls are still needed along the edges of the new access road during drilling. 6/11-7/9/07 Although run-off is less turbid, controls are still needed at this site. 6/11-7/16/07</b></p>	<p><b>Needs attention</b></p>
<p><b>Rte. 157 (east &amp; west) &amp; Elihu Dr.</b></p>	<p><b>Controls remain along pad sites and wetland crossings The area near the repaired drain pipe remains graded, mulched and seeded. 7/16/07</b></p>	<p><b>Continue to adjust or extend controls when work progresses in this area. Monitor area until grass growth is established. 7/16/07</b></p>	<p><b>NA</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
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. Vegetation is helping to trap sediment before it reaches streams. 7/16/07</p> <p>Accumulated sediment from past heavy rains can be seen in the wetlands west of Powder Hill Rd. when standing water recedes. 6/11-7/16/07</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. Despite good efforts on controls, turbid run-off is still an issue during larger storms. 7/16/07</p>	<p>Needs proactive attention/evaluation when feasible.</p> <p>Grass growth continues in hydroseeded areas.</p>
East of Beseck SS	<p>At the spot adjacent to the wetlands east of Beseck SS, fiber rolls (filter socks) remain adjacent to the timber mat pads but sediment (likely from snow clearing) has been piled on and over the socks. 4/2-7/16/07</p>	<p>Any sediment accumulation over 2" should be carefully removed from the wetland by hand. 5/29-7/16/07</p> <p>Adequately contain all sediment; the soil in the wetland will have to be removed carefully by hand. 4/2-7/16/07</p>	<p>Needs evaluation</p> <p>Needs attention</p>
Black Pond Junction to Beseck SS	<p>Timber mats were in place through the wetlands for pulling wire. No controls were noted. (since 6/4) Turbid run-off is an issue during heavy rain. 7/16/07</p>	<p>Add controls at crossing and monitor pond/wetlands for turbid run-off. 6/4-7/16/07</p>	<p>Needs attention</p>
ROW, North of Beseck SS to East Meriden Substation	<p>Several areas of exposed soil were mulched and seeded along this section of ROW. 7/16/07</p>	<p>Monitor exposed areas until stabilized. 7/16/07</p>	<p>Mulch and seed were applied.</p>
Fleming Road	<p>The second line of silt fence remains in place at the foundation immediately adjacent to the pond. A line of haybales was in place downgradient from another recently poured</p>	<p>Monitor, adjust, and extend controls as needed. Continue to remove sediment from controls as needed. 7/16/07</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>High Hill Rd. (north to Black Pond)</p>	<p>foundation. 7/16/07</p> <p>The redirected stream splits, flowing partially through a culvert and partially through the center of the timber pad site. The banks and adjacent, exposed soil remain stabilized with erosion control mats. 7/16/07</p> <p>Controls are in place along the access off High Hill Rd., and upgradient from wetlands in all locations. 7/16/07</p>	<p>Ensure the controls are adequate for run-off in this area. Stabilize soils as soon as possible. Controls or regular cleaning will be needed on the timber mats as well to prevent sediment from seeping through. 7/16/07</p> <p>Monitor controls closely. Adjust as needed. Continue to extend controls along wetlands as work progresses. 7/16/07</p>	<p>Needs proactive attention.</p> <p>NA</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Most access areas (including ROW North of Beseck SS; Arbutus St.; Little Lane; Durham Rd.; Powder Hill Rd. Black Walnut Dr.; Johnson Ln.; Foot Hills Rd.)</p> <p>Scovill SS west to Chestnut Junction</p> <p>Oxbow Junction to Beseck SS</p> <p>Contractor Storage Yard</p> <p>Durham Rd.</p>	<p>ACOE permit is in hand. 1/22/07</p> <p>A number of wetland crossings (via timber mats) were noted. Adjacent controls were installed. 7/16/07</p> <p>Slight turbidity was noted in the culverted flow under the access road after installation (6/25). Adjacent areas remain mulched. 7/16/07</p> <p>Perimeter controls are deteriorating in spots and should be repaired. The suspended sediment in the adjacent pond has settled. 5/14- 7/16/07</p> <p>The foundation is in place at the wetland/upland boundary off Durham Rd. Run-off to adjacent wetlands was no longer turbid but controls are still needed. 6/25-</p>	<p>Perform work in wetlands under the permitted guidelines. 7/16/07</p> <p>Monitor closely for sedimentation and add controls as needed. All crossings are temporary and will require restoration at the end of the work. 7/16/07</p> <p>See erosion control section. 7/16/07</p> <p>Adjust/repair controls as needed around the site. 5/29- 7/16/07</p> <p>Controls needed within the wetland to prevent sediment from leaving the timber mat pads. 6/25- 7/16/07</p>	<p>NA</p> <p>NA</p> <p>Continue to monitor pond. Controls need attention.</p> <p>Turbidity and run-off were reduced but adequate controls were not in place.</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</b></p> <p><b>High Hill Rd. South to East Meriden Substation and north to Black Pond</b></p>	<p><b>7/16/07</b></p> <p><b>Several smaller streams remain culverted. When standing water recedes, some accumulated sediment from past heavy rains has been noted in wetland areas. 5/29-7/16/07</b></p> <p><b>Timber mat staging areas are in and adjacent to wetlands. Sediment was noted on and beyond the filter sock at the wetland's edge. 4/2-7/16/07</b></p> <p><b>Turbid run-off is an issue during heavy rain (noted 6/4) 7/16/07</b></p> <p><b>Pole installation is complete within the stream/wetlands. The flow is being re-routed through a riprap channel and culvert. Erosion control mats are in place at the top of bank 7/16/07</b></p>	<p><b>All crossings are temporary and will require restoration at the end of the work. Where sediment is greater than 2", it should be removed carefully by hand from the wetland. 5/29-7/16/07</b></p> <p><b>Adequately contain all sediment; the soil in the wetland will have to be removed carefully by hand. 4/2-7/16/07</b></p> <p><b>Controls are needed around the pads. 6/11-7/2/07</b></p> <p><b>Continue to stabilize soils and adjust controls as necessary to protect wetlands. Stabilize adjacent area as soon as possible. See erosion control section for more details. 7/16/07</b></p>	<p><b>Needs evaluation</b></p> <p><b>Needs attention</b></p> <p><b>NA</b></p>
<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 through the access road in from Black Walnut Dr. However, the final pad is installed upgradient from the habitat and foundation installation was completed here. 7/16/07</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. Turtles, frogs, fish, salamanders, tadpoles, several different types of</b></p>	<p><b>April 1<sup>st</sup> was the start of the active wood turtle season; contractors will require training for mitigation if work occurs in the Ball Brook habitat. Ball Brook is not scheduled to be accessed, however consider performing sweeps at this last pad as turtles do forage/migrate away from streams. 7/16/07</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</b></p>	<p><b>Consider mitigation/sweeps in this area.</b></p> <p><b>Continue to monitor</b></p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>egg masses, deer, small mammals, coyote pups and wild turkeys have been observed during past inspections. These are not state listed species, but indicate good habitat. 7/16/07</p> <p>Many turtles have previously been observed basking in the ponds south of High Hill Rd and near Fleming Rd. A spotted turtle was also noted in the wetland near Scovill Rock SS in past months. 7/16/07</p>	<p>will block foraging/migrating wildlife 7/16/07</p> <p>Although these are not state listed species, continue to be mindful of equipment movement and work activities in these areas 7/16/07</p>	<p>Continue to monitor.</p>
<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>Arbutus Street</p>	<p>The clearing that had been performed for access road and pad construction 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 growth noted in many areas. 7/16/07</p> <p>Minor vegetative clearing and chipping/grinding were occurring during the inspection. 7/16/07</p>	<p>Retain species approved by the D&amp;M plan wherever feasible. Temporarily stabilize exposed soil as necessary, especially in slope areas such as Beseck Mtn. Continue to stabilize areas and monitor for vegetative cover. 7/16/07</p> <p>Monitor activities and keep mulched material out of wetlands areas. Add controls as needed. 7/16/07</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>Grass growth and natural revegetation noted in many areas</p> <p>NA at this time.</p>
<p><b>Dewatering</b></p> <p>Oxbow Junction to Beseck SS</p> <p>Black Walnut Dr.</p> <p>Durham Rd.</p> <p>East of Beseck SS.</p>	<p>Several settling basins remain in place off Black Walnut Dr. 7/16/07</p> <p>Foundation installed within wetlands. Settling tank used for dewatering. 7/16/07</p> <p>Foundation installation was complete. A pump truck had been used.</p>	<p>Continue to use settling basins as needed. Monitor capacity of the basin when in use. 7/16/07</p> <p>Continue to use settling tanks for dewatering and add controls around timber mats. 7/16/07</p> <p>Dewatering discharge had been controlled appropriately. 7/16/07</p>	<p>NA</p> <p>A settling tank was used, but controls still need attention.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Black Pond Junction to Beseck SS North of Beseck SS to East Meriden Substation</b></p>	<p><b>7/16/07</b> <b>No active dewatering noted at this time in the High Hill Rd. area. A few foundations had been installed in this section of ROW. 7/16/07</b></p>	<p><b>Continue to monitor capacity of the basin and adjust controls as necessary. 7/16/07</b></p>	<p><b>NA</b></p>
<p><b>Blasting</b></p>	<p><b>No blasting is proposed. 7/16/07</b></p>	<p><b>None 7/16/07</b></p>	
<p><b>Spills, soils and material storage All active areas</b></p> <p><b>Oxbow Junction to Beseck SS Contractor Receiving Yard and Staging Area</b></p> <p><b>Black Pond Junction to Beseck SS</b></p>	<p><b>Spill controls move from site to site with the equipment. 7/16/07</b></p> <p><b>Concrete washout containment was noted in the form of lined, dug basins in several locations. 7/16/07</b></p> <p><b>Materials are being stored and structures staged in this area. No issues were currently noted. 7/16/07</b></p> <p><b>Some equipment and supplies are being stored here. A large spill kit is stored onsite. 7/16/07</b></p>	<p><b>Always use spill control materials when working on equipment and during refueling. 7/16/07</b></p> <p><b>Provide appropriate containment for washouts. Be especially careful of concrete containment near wetlands. Remove the material once work is complete. 7/16/07</b></p> <p><b>Always use spill control materials when working on equipment and during refueling. Continue to locate hazardous materials and equipment away from wetlands inlets such as culverts and CBs. when possible. Remove spills as needed. 7/16/07</b></p> <p><b>Always store equipment and supplies away from sensitive areas. Monitor and maintain equipment as needed and provide housekeeping on a regular basis. 7/16/07</b></p>	<p><b>NA</b></p> <p><b>Concrete washout basins were noted in several locations.</b></p> <p><b>NA</b></p> <p><b>NA at this time</b></p>
<p><b>Additional Observations</b></p>	<p><b>NA</b></p>		

**Next likely scheduled inspection:** Monday July 23, 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



**Drilling was occurring west of Scovill SS off Rte 9.**



**Crews have been spreading mulch along previously disturbed areas west of Scovill SS off Rte 9.**



**Pole installation was occurring off Johnson Lane.**



**Minor shrub removal and stump grinding/chipping off Arbutus Street**



**The foundation was installed off Black Walnut Drive, upgradient from Ball Brook.**



**View of the existing controls within the shipping and receiving yard. Repair deteriorating sections as needed.**



**Some grass growth was noted along wetlands off Little Lane.**



**Grass growth was noted within the recently restored lawn off Cherry Hill Rd.**



**Timber mats remain within wetlands off Durham Rd. A settling tank is also in place here.**



**View of the existing controls within wetlands off Powder Hill.**



**Several foundations were installed north of Beseck SS.**



**View of the foundation and controls installed off Fleming Road.**



**Line pulling was occurring in the ROW west of East Meriden SS.**



**View of line pulling work on recently installed poles off High Hill Rd.**



**View of the pad site with the new pole off East Main Street.**



**View of the line work occurring at Black Pond Junction.**