

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: August 11, 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: 1.45” of precipitation was recorded in the week prior to inspection with 1.00” falling on 8/6 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Restoration is almost complete. 8/11/08	Monitor restored areas for stabilization. Add controls as needed. 8/11/08	Not Applicable (NA)
Scovill SS west to Chestnut Junction Scovill SS to Rte. 9 Rte. 9 to East Mount Rd.	Water bars/drainage ditches remain on permanent access roads. Haybales remain adjacent to wetlands in-between structures 24617 & 24618 and upgradient of wetland #4 to prevent run off from Scovill to Rte 9. 8/11/08	Sweep Freeman Road and Rte 9 as needed. Monitor wetlands around the site for run-off. Monitor haybales for effectiveness. 8/11/08	NA
	Timber mats remain at the 1st saturated crossing off E. Mount Rd. 8/11/08	Monitor the area until stable. Remove mats if access if complete. 8/11/08	NA
Oxbow Junction to Beseck SS Foot Hills Rd. to Durham Rd. (east) Powder Hill Rd.	Most reclaimed access roads and pad sites have well established vegetative cover. 8/11/08	Monitor reclaimed areas for erosion and add controls as needed. 8/11/08	Good vegetative cover in most locations.
Durham Rd	The stone access road in the large wetland system was being removed during the inspection. It will be brought to grade and narrowed. 8/11/08	Monitor removal closely for runoff and maintain controls until stable. See inland wetland section. Be careful to remove material here and reduce	Restoration is underway. No sediment tracking noted.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Elihu Dr.; Rte. 157 (west) Private Driveway;</p> <p>Black Pond Junction to Beseck SS ROW, North of Beseck SS to Black Pond Jct.</p>	<p>The small rutted area remains filled with topsoil and seeded along the access road driveway (west of 157). 8/11/08</p> <p>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. Wetlands are vegetated. 8/11/08</p>	<p>impacts. 8/11/08</p> <p>Monitor the reclaimed area for stabilization. See erosion control section. 8/11/08</p> <p>Monitor this area for final stabilization and repair controls as needed. See erosion control section 8/11/08</p>	<p>Some vegetative growth noted.</p> <p>NA at this time.</p>
<p>Foundation and site construction</p>	<p>Restoration underway at Durham Rd. (Durham Meadows). 8/11/08</p>	<p>Monitor area for stabilization and runoff. 8/11/08</p>	<p>Restoration underway.</p>
<p>Erosion and sediment controls Scovill SS west to Chestnut Junction</p> <p>Oxbow Junction to Beseck SS Oxbow Jct. to Durham Rd.</p> <p>Contractor Receiving Yard and Storage Area</p>	<p>Water bars/drainage ditches are working well in this area. 8/11/08</p> <p>Restoration complete; however, some areas still appear sparsely vegetated. This is likely due to the hot weather inhibiting vegetative growth. 8/11/08</p> <p>Timber mats remain at the 1st crossing for access off East Mount Rd. 8/11/08</p> <p>Reclamation is complete from Oxbow Jct. to Durham Rd. Most areas are fully stable with good vegetative cover. 8/11/08</p> <p>Controls remain in good shape around the perimeter of the yard. The large exposed storage area (north west of yard) remains covered with</p>	<p>Continue to maintain and ensure water is directed to stable areas. 8/11/08</p> <p>Continue to monitor and add controls as needed. Monitor newly restored areas for vegetative cover and stabilization. 8/11/08</p> <p>Continue to use timber mats until work is complete. Monitor for stabilization. 8/11/08</p> <p>Remove any remaining silt fence where adjacent areas are fully vegetated. Almost all areas have achieved final stabilization through 70%+ vegetative cover. 8/11/08</p> <p>Monitor this area for stabilization and continue to maintain controls until stable. 8/11/08</p>	<p>NA at this time</p> <p>Additional seed may be needed in some locations during appropriate conditions.</p> <p>NA</p> <p>Most areas are fully stable.</p> <p>NA at this time.</p>

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	<p>hay/seed and is almost stable with vegetation. 8/11/08</p> <p>The yard, including two remaining stockpiles, remain mulched and seeded. Some of the most recently restored areas are beginning to vegetate. One stockpile is the property of the landowner. The second stockpile will be evaluated. 8/11/08</p>	<p>Monitor the yard for final stabilization. Although controls remain at the base, the stockpile located upgradient from the wetlands should be moved 6/23-8/11/08</p>	<p>Stockpile upgradient from the wetland needs attention. BSC was informed that the contractor will be evaluating the stockpile.</p>
Durham Rd.	<p>Some controls are in place including fiber rolls adjacent to the stone pad at structure # 24521, which regularly floods. The access road and pads in this area were being brought to grade and restored. 7/28/08</p>	<p>Monitor carefully and reduce grade and width of the road to the maximum extent feasible. Controls should be checked and monitored while working in the wetlands. 8/11/08</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. Vehicles drove through this section causing ruts in several wetland crossings. However, the contractor maintains that vehicles were private and not project related (noted 8/5). 8/11/08</p>	<p>The wetland ruts will likely not be repaired as the contractor maintains the damage was caused by private landowners after the project efforts had restored the area. 8/11/08</p>	<p>NA at this time.</p>
East of Beseck SS	<p>The drainage channel around BSS and nearby uplands have stabilized and water in the riprap sediment basin has been clear in recent storms. 8/11/08</p>	<p>Continue to monitor and add/replace controls as needed. 8/11/08</p>	<p>NA</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. Any remaining silt fence should be removed as final stabilization has been</p>	<p>Any silt fence will have to be removed now that areas are stabilized. 8/11/08</p>	<p>Good cover is noted in many areas.</p>

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	<p>achieved. This include fence remaining near the well-restored stream at #24464. 8/28/08</p> <p>A small area of sparse vegetation was noted on the slopes near East Meriden Sub. Vegetation near Black Pond was also fairly sparse. 8/11/08</p>	<p>Continue to monitor and maintain controls until final stabilization and vegetative cover has established. Sparse areas of vegetation may need to be reseeded. 8/11/08</p>	<p>Additional seed may be needed below E. Meriden SS and at Black Pond Jct.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Scovill SS west to Chestnut Junction</p> <p>Oxbow Junction to Beseck SS Durham Rd. (Meadows)</p> <p>Powder Hill Rd.</p> <p>Black Pond Junction to Beseck SS</p>	<p>ACOE permit is in hand.</p> <p>In accordance with the D&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. 8/11/08</p> <p>Timber mats have been removed except for the access at E. Mount Rd. 8/11/08</p> <p>The contractor was reducing the grade and width of the road during the inspection. 8/11 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. 8/11/08</p> <p>The contractor informed BSC that the restored wetland crossings in this area were disturbed by access by private landowner vehicles since 8/5. 8/11/08</p>	<p>Perform work in wetlands under the permitted guidelines. 8/11/08</p> <p>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 8/11/08</p> <p>Remove remaining mats unless additional access is needed 8/11/08</p> <p>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. 8/11/08</p> <p>The ruts will likely not be repaired by the project since the contractor maintains they were caused by the private landowner. 8/11/08</p> <p>Trees previously cleared</p>	<p>NA</p> <p><i>Restoration is almost complete.</i></p> <p>Timber mats should be removed when feasible.</p> <p>Restoration is underway along the access road and pads.</p> <p>Ruts through wetlands were caused by private property owners.</p>

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<p>Fleming Rd. High Hill Rd. South to East Meriden Substation and north to Black Pond</p>	<p>The braided stream channels at structure #24415/64 have full vegetative cover. Silt fence here can be removed. 8/11/08</p> <p>Wetlands north and south of High Hill Rd. and south of East Main St. and at Black Pond Jct. are largely stable with vegetative cover. 8/11/08</p>	<p>in the wetland have new growth sprouting from the stumps and the area has full vegetative cover, including woody species. 8/11/08</p> <p>See erosion controls section for more information. 8/11/08</p>	<p>Full vegetative cover has established in and adjacent to wetlands.</p> <p>Vegetative cover is present. Continue to monitor Black Pond Jct.</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>East Mount Rd.</p> <p>Durham Meadows</p>	<p>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. 8/11/08</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. These are not state listed species, but indicate good habitat. 8/11/08</p> <p>An Eastern Box Turtle was observed crossing the ROW and access road off E. Mount Rd on 7/12/07</p> <p>The contractor had been observing a construction window during the breeding season for the King Rail and Blue-winged Teal which has since ended. 8/11/08</p>	<p>April 1st was the start of the wood turtles active season; If any additional access is needed here, sweeps have to be performed. 8/11/08</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 8/11/08</p> <p>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. 8/11/08</p> <p>Reclamation work is underway and the timing restrictions have been lifted. 8/11/08</p>	<p>NA at this time.</p> <p>Continue to monitor</p> <p>Sweeps need to occur prior to any additional access.</p> <p>Restoration underway.</p>
<p>Vegetative clearing or stabilization</p>	<p>These areas have been final graded, hayed, and seeded. Most are fully</p>	<p>Grass seed germination has slowed do to hot, dry weather. Monitor all</p>	<p>Vegetative cover is established in many areas and many</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
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	stable with 70%+ cover 8/11/08 Some reclaimed pad sites remain fairly sparse, likely due to hot weather, inhibiting vegetative growth. This is most common in the Scovill Rock section. 8/11/08	exposed areas and controls and maintain as needed, until stable. Remove any remaining silt fence after an area has stabilized. 8/11/08 Continue to monitor and consider re-seeding some of these areas during more favorable conditions. 8/11/08	portions of the ROW are well restored. Continue to monitor and reseed during appropriate conditions.
Dewatering	Dewatering is complete at this time. 8/11/08	Continue to restore areas as needed. 8/11/08	NA at this time.
Spills, soils and material storage All active areas Oxbow Junction to Beseck SS Contractor Receiving Yard and Staging Area	Spill controls move from site to site with the equipment. 8/11/08 All but two of the original stone/soil stockpiles have been spread. The remaining piles have been temporarily seeded and mulched. One remains upgradient of wetlands with a filter sock at the base. The second pile belongs to the landowner. 8/11/08	Always use spill control materials when working on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 8/11/08 Relocate stockpile away from wetlands. See erosion control section. 8/11/08	NA Stockpile upgradient of wetlands needs attention. <i>BSC was informed the contractor would be evaluating this.</i>
Additional Observations	NA	NA	NA

Next likely scheduled inspection:

Monday August 18, 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



Scovill SS: Vegetative growth has started but is still sparse in many reclaimed areas from Rte. 9 to Scovill SS.



Contractor Yard: Some grass growth was noted in the most recently restored portion of the yard. The stockpile upgradient from wetlands should be evaluated and relocated.



Durham Rd: Final restoration underway within Durham Meadows. Check controls and monitor the area until stable.



Powder Hill Rd: Ruts were observed in the wetlands in several locations in this section due to vehicle access. BSC was informed the vehicles belonged to private landowners and are not related to the project.