

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 28, 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: 2.13” of precipitation was recorded in the week prior to inspection with 1.00” falling on 7/24 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Restoration is almost complete. 7/28/08	Monitor restored areas for stabilization. Add controls as needed. 7/28/08	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. 7/28/08	Sweep Freeman Road and Rte 9 as needed. Monitor wetlands around the site for run-off. Monitor haybales for effectiveness. 7/28/08	NA
	Timber mats remain at the 1st saturated crossing off E. Mount Rd. 7/28/08	Monitor the area until stable. Remove mats if access if complete. 7/28/08	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. 7/28/08	Monitor reclaimed areas for erosion and add controls as needed. 7/28/08	Good vegetative cover in most locations.
Durham Rd	The stone access road in the large wetland system remains. During restoration it will be brought to grade and narrowed. A small area	Continue to monitor and prepare to reclaim the roadway when water levels are at their lowest. See inland wetland section. Be careful to	Restoration still scheduled here. Conditions were currently dry

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<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>near the entrance has been reclaimed. 7/28/08</p> <p>The small rutted area remains filled with topsoil and seeded along the access road driveway (west of 157). 7/28/08</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. 7/28/08</p>	<p>remove material here and reduce impacts. 7/28/08</p> <p>Monitor the reclaimed area for stabilization. See erosion control section. 7/28/08</p> <p>Monitor this area for final stabilization and repair controls as needed. See erosion control section 7/28/08</p>	<p>Some vegetative growth noted.</p> <p>NA at this time.</p>
<p>Foundation and site construction</p>	<p>With the exception of Durham Rd. (Durham Meadows) and areas waiting for vegetation to establish, reclamation is largely complete in Seg 1A. 7/28/08</p>	<p>None at this time. 7/28/08</p>	<p>NA at this time.</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. 7/28/08</p> <p>Restoration complete; however, some areas still appear sparsely vegetated. This is likely due to the hot weather inhibiting vegetative growth. 7/28/08</p> <p>Timber mats remain at the 1st crossing for access off East Mount Rd. 7/28/08</p> <p>Reclamation is complete from Oxbow Jct. to Durham Rd. Controls remain adjacent to sensitive areas and exposed areas remain covered with hay and seed. 7/28/08</p> <p>Controls remain in good shape around the</p>	<p>Continue to maintain and ensure water is directed to stable areas. 7/28/08</p> <p>Continue to monitor and add controls as needed. Monitor newly restored areas for vegetative cover and stabilization. 7/28/08</p> <p>Continue to use timber mats until work is complete. Monitor for stabilization. 7/28/08</p> <p>Monitor controls and maintain as needed. Almost all areas have achieved final stabilization through 70%+ vegetative cover. 7/28/08</p> <p>Monitor this area for stabilization and continue</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>Durham Rd.</p> <p>Powder Hill Rd.</p> <p>East of Beseck SS</p> <p>Black Pond Junction to Beseck SS ROW, North of Beseck SS to Black Pond Jct.</p>	<p>perimeter of the yard. The large exposed storage area (north west of yard) remains covered with hay/seed and is almost stable with vegetation. 7/28/08</p> <p>The yard including two remaining stockpiles were hayed and seeded. Some areas are beginning to vegetate. 7/28/08</p> <p>Some controls are in place including fiber rolls adjacent to the stone pad at structure # 24521, which regularly floods. 7/28/08</p> <p>Restoration is complete. Slopes appear to be well vegetated and stabilizing. 7/28/08</p> <p>Haybales remain around the riprap sediment trap to filter any overflowing water from the basin. 7/28/08</p> <p>All pads north of Beseck to Black Pond Jct. have been reclaimed well and the ROW is in good condition. All controls should remain in place until final stabilization has been achieved. A small area of sparse vegetation was noted on the slopes near East Meriden Sub. Vegetation near Black Pond was also fairly sparse. 7/28/08</p>	<p>to maintain controls until stable. 7/28/08</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 6/23-7/28/08</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. 7/28/08</p> <p>Controls should be maintained until the area is stable. 7/28/08</p> <p>Continue to monitor the controls for effectiveness and add/replace as needed. 7/28/08</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. 7/28/08</p>	<p>Stockpile upgradient from the wetland needs attention.</p> <p>Needs careful monitoring. See Inland wetland section.</p> <p>NA at this time.</p> <p>NA at this time.</p> <p>Good cover is noted in many areas.</p> <p>Additional seed may be needed below E. Meriden SS and at Black Pond Jct.</p>
<p>Inland Wetland and Watercourse encroachment and</p>	<p>ACOE permit is in hand.</p>	<p>Perform work in wetlands under the permitted guidelines. 7/28/08</p>	<p>NA</p>

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<p>mitigation</p> <p>Scovill SS west to Chestnut Junction</p> <p>Oxbow Junction to Beseck SS Durham Rd.</p> <p>Powder Hill Rd.</p> <p>Black Pond Junction to Beseck SS Fleming Rd. High Hill Rd. South to East Meriden Substation and north to Black Pond</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. 7/28/08</p> <p>Timber mats have been removed except for the access at E. Mount and major crossing off Rte 9. 7/28/08</p> <p>Timber mats and some of the stone from the access road were removed from this area. 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. 7/28/08</p> <p>The major crossing near the pond remains but all other crossings and channels remain restored 7/28/08</p> <p>The braided stream channels at structure #24415 (near East Meriden Sub) remain in good shape and were flowing clear. Full vegetative cover has established. 7/28/08</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. 7/28/08</p>	<p>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 7/28/08</p> <p>Remove remaining mats unless additional access is needed 7/28/08</p> <p>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. 4/21-7/28/08</p> <p>Monitor the exposed areas and controls closely in this area until stabilization is complete. 7/28/08</p> <p>Trees previously cleared in the wetland have new growth sprouting from the stumps and the area has full vegetative cover, including woody species. 7/28/08</p> <p>Monitor controls and soils until stabilized. See erosion controls section for more information. 7/28/08</p>	<p><i>Restoration is almost complete.</i></p> <p>Timber mats should be removed when feasible.</p> <p>Continue to monitor very carefully and be prepared to work when dry conditions allow.</p> <p><i>Crews should take advantage of currently low water levels when rare species construction windows allow.</i></p> <p>Continue to monitor.</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>

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<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. 7/28/08</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. 7/28/08</p> <p>An Eastern Box Turtle was observed crossing the ROW and access road off E. Mount Rd on 7/12/08</p> <p>The contractor has been observing a construction window during the breeding season for the King Rail and Blue-winged Teal 7/28/08</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. 7/28/08</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 7/28/08</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. 7/28/08</p> <p>Reclamation work will occur in the drier conditions, once the restriction is lifted through July 31st 7/28/08</p>	<p>NA at this time.</p> <p>Continue to monitor</p> <p>Eastern Box Turtle found crossing the ROW. Sweeps need to occur prior to any additional access.</p> <p>Contractors are observing the construction window.</p>
<p>Vegetative clearing or stabilization</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>These areas have been final graded, hayed, and seeded. Controls remain in all exposed areas. Grass cover and revegetation noted in many areas. 7/28/08</p> <p>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</p>	<p>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. 7/28/08</p> <p>Continue to monitor and consider re-seeding some of these areas during more favorable conditions. 7/21/08</p>	<p>Vegetative cover is established in many areas and many portions of the ROW are well restored.</p> <p>Continue to monitor and reseed during appropriate conditions.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	Dewatering is complete at this time. 7/28/08	Continue to restore areas as needed. 7/28/08	NA at this time.
Blasting	No blasting is proposed. 7/28/08	None 7/28/08	NA
Spills, soils and material storage All active areas	Spill controls move from site to site with the equipment. 7/28/08	Always use spill control materials when working on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 7/28/08	NA
Oxbow Junction to Beseck SS Contractor Receiving Yard and Staging Area	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. 7/28/08	Relocate stockpile away from wetlands. See erosion control section. 7/28/08	Stockpile upgradient of wetlands needs attention.
Additional Observations	NA	NA	NA

Next likely scheduled inspection: Monday August 4, 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 areas from Rte. 9 to Scovill SS.



Rte 9: Unvegetated slope upgradient from wetlands; view looking towards Scovill SS



Shumpike Rd: View of ROW crossing over Rte 9 then Rte 154 toward Scovill.



East Mount Rd: View of sparse vegetative growth/cover near the ROW entrance.



Contractor Yard: Stockpile located upgradient of the wetlands in the receiving yard. A filter sock is in place at the base of the pile.



Rte 157; Private Driveway: The recently repaired ruts have started to grow grass



Powder Hill Rd: Vegetative growth/cover along the slope east off the roadway.



E. Meriden SS: Sparse vegetative growth/cover was noted on the slope downgradient of the substation but the area is fairly small.