

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 14, 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: 0.47” of precipitation was recorded in the week prior to inspection all falling on 7/14 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Restoration is almost complete. 7/14/08	Monitor restored areas for stabilization. Add controls as needed. 7/14/08	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. 7/14/08	Sweep Freeman Road and Rte 9 as needed. Monitor wetlands around the site for run-off. Monitor haybales for effectiveness. 7/14/08	NA
	Timber mats remain at the 1st saturated crossing off E. Mount Rd. 7/14/08	Monitor the area until stable. Remove mats upon completion of work. 7/14/08	NA
Oxbow Junction to Beseck SS Haddam Quarter Rd.	The new culvert remains at the previously bisected wetland. 7/14/08	Monitor the new culvert and controls for effectiveness. 7/14/08	NA
Foot Hills Rd. to Durham Rd. (east) Powder Hill Rd.	Topsoil, hay, and seed remain at the reclaimed access roads and pad sites. 7/14/08	Monitor reclaimed areas for erosion and add controls as needed. 7/14/08	Grass growth noted.
Durham Rd	The stone access road in the large wetland system	Continue to monitor and prepare to reclaim the	NA at this time. Restoration still scheduled

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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>East Meriden SS</p>	<p>remains. During restoration it will be brought to grade and narrowed. A small area near the entrance has been reclaimed. 7/14/08</p> <p>The small rutted area within an existing lawn along the access road driveway (west of 157) has been filled with topsoil and seeded. 7/14/08</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. 7/14/08</p> <p>The fence and shrubs remain in place. The regraded access road remains mulched and seeded. 7/14/08</p>	<p>roadway when water levels are at their lowest. See inland wetland section. Be careful to remove material here and reduce impacts. 7/14/08</p> <p>Monitor the reclaimed area for stabilization. See erosion control section. 7/14/08</p> <p>Monitor this area for final stabilization and repair controls as needed. See erosion control section 7/14/08</p> <p>Monitor for stabilization and add controls as needed along the slope. 7/14/08</p>	<p>here.</p> <p>Lawn/ruts have been repaired.</p> <p>NA at this time.</p> <p>NA at this time.</p>
<p>Foundation and site construction</p>	<p>With the exception of Durham Rd. and a few minor areas. Reclamation is largely complete in Seg 1A. 7/14/08</p>	<p>None at this time. 7/14/08</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</p>	<p>Water bars/drainage ditches are working well in this area. 7/14/08</p> <p>Restoration complete; however, some areas still appear sparsely vegetated. This is likely due to the hot weather inhibiting vegetative growth. 7/14/08</p> <p>Timber mats remain at the 1st crossing for access off East Mount Rd. 7/14/08</p> <p>Reclamation was</p>	<p>Continue to maintain and ensure water is directed to stable areas. 7/14/08</p> <p>Continue to monitor and add controls as needed. Monitor newly restored areas for vegetative cover and stabilization. 7/14/08</p> <p>Continue to use timber mats until work is complete. Monitor for stabilization. 7/14/08</p> <p>Monitor controls and</p>	<p>NA at this time</p> <p>Additional seed may be needed in some locations during appropriate conditions.</p> <p>NA</p> <p>NA at this time.</p>

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Oxbow Jct. to Durham Rd.	complete from Oxbow Jct. to Durham Rd. Controls remain adjacent to sensitive areas and exposed areas remain covered with hay and seed. 7/14/08	maintain as needed. Monitor for final stabilization and vegetative cover. 7/14/08	
Contractor Receiving Yard and Storage Area	Controls remain in good shape around the perimeter of the yard. The large exposed storage area (north west of yard) is almost stable with vegetative cover. 7/14/08	Monitor this area for stabilization and continue to maintain controls until stable. 7/14/08	NA at this time.
	Contractor has spread and graded the stockpiled soils from multiple sites around the yard as fill. The newly spread soil (and two remaining stockpiles) were mulched and seeded. 6/23-7/14/08	Monitor the yard and remaining stockpiles for erosion. The stockpile located upgradient from the wetlands should be moved 6/23-7/14/08	Stockpile upgradient from the wetland needs attention.
Durham Rd.	Some controls are in place including fiber rolls adjacent to the stone pad at structure # 24521, which regularly floods. 7/14/08	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. 7/14/08	Needs careful monitoring. See Inland wetland section.
Rte. 157 (east & west) & Elihu drive	Small ruts from equipment west of Rte. 157 along the private driveway have been filled with topsoil and seeded. 7/14/08.	Continue to monitor until final stabilization is achieved. 7/14/08	Small ruts have been filled and seeded.
Powder Hill Rd.	Restoration is complete. Slopes appear to be well vegetated and stabilizing. 7/14/08	Controls should be maintained until the area is stable. 7/14/08	NA at this time.
East of Beseck SS	Haybales remain around the riprap sediment trap to filter any overflowing water from the basin. 7/14/08	Continue to monitor the controls for effectiveness and add/replace as needed. 7/14/08	NA at this time.
Black Pond Junction to Beseck SS ROW, North of Beseck	All pads north of Beseck to Black Pond Jct. have	Continue to monitor and maintain controls until	Good grass growth is noted in many areas.

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SS to Black Pond Jct.	<p>been reclaimed well and the ROW is in good condition. All controls should remain in place until final stabilization has been achieved. 7/14/08</p>	<p>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. 7/14/08</p>	<p>Additional seed may be needed 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.</p> <p>Powder Hill Rd.</p> <p>Black Pond Junction to Beseck SS Fleming Rd. High Hill Rd. South to</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. 7/14/08</p> <p>Timber mats have been removed except for the access at E. Mount and major crossing off Rte 9. 7/14/08</p> <p>Timber mats and some of the stone from the access road were removed from this area. 7/14/08 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. 7/14/08</p> <p>The major crossing near the pond remains but all other crossings and channels remain restored 7/14/08</p> <p>The braided stream channels at structure #24415 (near East Meriden Sub) remain in</p>	<p>Perform work in wetlands under the permitted guidelines. 7/14/08</p> <p>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 7/14/08</p> <p>Remove remaining mats unless additional access is needed. 7/14/08</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. 4/21-7/14/08</p> <p>Monitor the exposed areas and controls closely in this area until stabilization is complete. 7/14/08</p> <p>Trees previously cleared in the wetland have new growth sprouting from the stumps and the area</p>	<p>NA</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>Continue to monitor.</p> <p>Streams and wetlands were restored very well.</p>

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<p>East Meriden Substation and north to Black Pond</p>	<p>good shape and were flowing clear. 7/14/08</p> <p>Soil within wetlands north and south of High Hill Rd. and south of East Main St. and at Black Pond Jct. remain graded, seeded and mulched. 7/14/08</p>	<p>should come back successfully in the growing season. Continue to monitor for erosion until full vegetative cover establishes. 7/14/08</p> <p>Monitor controls and soils until stabilized. See erosion controls section for more information. 7/14/08</p>	<p>Continue to monitor.</p> <p>Grass growth noted.</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>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. 7/14/08</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. 7/14/08</p> <p>An Eastern Box Turtle was observed crossing the ROW and access road off E. Mount Rd during this week's inspection. 7/12/08</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. 7/14/08</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 7/14/08</p> <p>Work in this area is complete except for final stabilization. Perform a sweep of this area prior any additional work or access. 7/12/08</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 access.</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. Some pad sites are along slopes and may have issues with erosion during heavy rains. Controls remain in all exposed areas. Grass cover and revegetation noted in many areas. 7/14/08</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. 7/14/08</p>	<p>Vegetative cover is increasing in many areas and portions of the ROW are well restored.</p>

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	Some reclaimed pad sites remain fairly sparse, likely due to hot weather, inhibiting vegetative growth. This is most common in the Scovill Rock section. 7/14/08	Continue to monitor and consider re-seeding some of these areas during more favorable conditions. 7/14/08	Continue to monitor and reseed during appropriate conditions.
Dewatering	Dewatering is complete at this time. 7/14/08	Continue to restore areas as needed. 7/14/08	NA at this time.
Blasting	No blasting is proposed. 7/14/08	None 7/14/08	NA
Spills, soils and material storage All active areas	Spill controls move from site to site with the equipment. 7/14/08	Always use spill control materials when working on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 7/14/08	NA
1A and 1B Contractor Receiving Yard and Staging Area	All materials have been removed from this area. Soil/stone stockpiles from the reclamation of multiple sites had been spread here. Areas are starting to revegetate. 7/14/08 All but two of the original piles have been spread, seeded and mulched. 7/14/08	The Middletown Water Dept. was contacted by the contractor to discuss the area. After a site visit, the contractor stated that the Dept. is satisfied with the condition of the yard. 7/14/08 Continue to locate equipment away from wetland inlets such as culverts and CBs. See erosion control section regarding stockpiles. 7/14/04	The Middletown Water Dept. reviewed the site and is satisfied. Stockpile upgradient of wetlands needs attention.
Additional Observations	NA	NA	NA

Next likely scheduled inspection:

Monday July 21, 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



Bartholomew Rd: View of vegetative growth/cover east of the roadway.



Bartholomew Rd: View of vegetative growth/cover west of the roadway.



E. Mount Rd: Eastern Box turtle crossing the ROW and access road. Sweeps should be performed if any further access is needed in this area.



E. Mount Rd: View of vegetative growth/cover looking toward Chestn Jct.



Rte 157: Small ruts along a private driveway east of Rte. 157 were filled in with topsoil and seeded.



East of Besock SS: View of vegetative cover upgradient and within the wetlands.



Fleming Rd: Vegetative growth/cover along the slope upgradient of the pond.



North of High Hill Rd: Vegetative growth/cover along the stream.