

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 7, 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: 1.07” of precipitation was recorded in the week prior to inspection with 0.43” falling on 7/5 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Restoration is almost complete. 7/7/08	Monitor restored areas for stabilization. Add controls as needed. 7/7/08	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. 7/7/08	Sweep Freeman Road and Rte 9 as needed. Monitor wetlands around the site for run-off. Monitor haybales for effectiveness. 7/7/08	NA
	Timber mats remain at the 1st saturated crossing off E. Mount Rd. 7/7/08	Monitor the area until stable. Remove mats upon completion of work. 7/7/08	NA
Shunpike Rd.	The gate remains in an effort to prevent further tracking in the recently restored access west off Shunpike Rd. Grass cover remains. 7/7/08	Continue to try and restrict access as feasible. 7/7/08	NA at this time.
Oxbow Junction to Beseck SS Haddam Quarter Rd.	The new culvert remains at the previously bisected wetland. 7/7/08	Monitor the new culvert and controls for effectiveness. 7/7/08	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Foot Hills Rd. to Durham Rd. (east) Powder Hill Rd.	Topsoil, hay, and seed remain at the reclaimed access roads and pad sites. 7/7/08	Monitor reclaimed areas for erosion and add controls as needed. 7/7/08	Grass growth noted.
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 near the entrance has been reclaimed. 7/7/08	Stabilize exposed areas as soon as possible and continue to reclaim the roadway. See inland wetland section. Be careful to remove material here and reduce impacts. 7/7/08	NA at this time. <i>Restoration still scheduled here.</i>
Elihu Dr.; Rte. 157 (west) Private Driveway;	A small rutted area remains from equipment parking north side of access road driveway (west of 157) within an existing lawn. 4/29-7/7/08	Monitor the reclaimed area for stabilization. Hand grade and seed the rutted lawn area off private driveway. See erosion control section. 7/7/08	Lawn/ruts need attention.
Black Pond Junction to Beseck SS ROW, North of Beseck SS	All reclaimed/exposed areas have been mulched and seeded and grass growth was noted. 7/7/08	Continue to monitor for stabilization through vegetative cover. 7/7/08	NA
Fleming Rd to Black Pond Jct.	Final grading and restoration complete from Fleming Rd. to Black Pond Jct. Water bars and controls remain in place to divert and filter turbid run-off from the wetlands. 7/7/08	Monitor this area for final stabilization and repair controls as needed. See erosion control section 7/7/08	NA at this time.
East Meriden SS	The fence and shrubs remain in place. The regraded access road remains mulched and seeded. 7/7/08	Monitor for stabilization and add controls as needed along the slope. Monitor newly planted shrubs until established. 7/7/08	NA at this time.
Foundation and site construction	With the exception of Durham Rd. and a few minor areas. Reclamation is largely complete in Seg 1A. 7/7/08	None at this time. 7/7/08	NA at this time.
Erosion and sediment controls Scovill SS west to Chestnut Junction	Water bars/drainage ditches are working well in this area. 7/7/08 Restoration complete;	Continue to maintain and ensure water is directed to stable areas. 7/7/08 Continue to monitor and	NA at this time Additional seed may be

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<p>Oxbow Junction to Beseck SS Oxbow Jct. to Durham Rd.</p>	<p>however, some areas still appear sparsely vegetated. This is likely due to the hot weather inhibiting vegetative growth. 7/7/08</p> <p>Timber mats remain at the 1st crossing for access off East Mount Rd. 7/7/08</p> <p>Reclamation was complete from Oxbow Jct. to Durham Rd. Controls remain adjacent to sensitive areas and exposed areas remain covered with hay and seed. 7/7/08</p> <p>Silt fence remains at the turn in the ROW off Haddam Quarter Rd. The adjacent area is stable. 7/7/08</p>	<p>add controls as needed. Monitor newly restored areas for vegetative cover and stabilization. 7/7/08</p> <p>Continue to use timber mats until work is complete. Monitor for stabilization. 7/7/08</p> <p>Monitor controls and maintain as needed. Monitor for final stabilization and vegetative cover. 7/7/08</p> <p>Silt fence can be removed now that the area is vegetated. 7/7/08</p>	<p>needed in some locations.</p> <p>NA</p> <p>NA at this time.</p> <p>Silt fence needs removal.</p>
<p>Contractor Receiving Yard and Storage Area</p>	<p>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. 7/7/08</p> <p>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. 6/23-7/7/08</p>	<p>Monitor this area for stabilization and continue to maintain controls until stable. 7/7/08</p> <p>Monitor the yard and remaining stockpiles for erosion. The stockpile located upgradient from the wetlands should be moved 6/23-7/7/08</p>	<p>NA at this time.</p> <p>The site remains mulched and seeded. Needs evaluation.</p>
<p>Durham Rd.</p>	<p>Some controls are in place including fiber rolls adjacent to the stone pad at structure # 24521, which regularly floods. 7/7/08</p>	<p>Monitor carefully and reduce grade and width of the road to the maximum extent feasible. Avoid entering/working on the access road when it is flooded. 7/7/08</p>	<p>Needs careful monitoring. See Inland wetland section.</p>
<p>Rte. 157 (east & west) & Elihu drive</p>	<p>Small ruts from equipment were noted west of Rte. 157 along the</p>	<p>Continue to monitor until final stabilization is achieved. Repair ruts by hand and seed when</p>	<p>Small ruts need attention.</p>

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<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>private driveway within an area of lawn. 4/29-7/7/08.</p> <p>Restoration is complete. Slopes appear to be well vegetated and stabilizing. 7/7/08</p> <p>Haybales remain around the riprap sediment trap to filter any overflowing water from the basin. 7/7/08</p> <p>All pads north of Beseck to Black Pond Jct. have been reclaimed well and the ROW is in good condition. All controls remain in place until final stabilization has been achieved. 7/7/08</p>	<p>hand and seed when feasible. 4/29-7/7/08</p> <p>Controls should be maintained until the area is stable. 7/7/08</p> <p>Continue to monitor the controls for effectiveness and add/replace as needed. 7/7/08</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. 7/7/08</p>	<p>NA at this time.</p> <p>NA at this time.</p> <p>Good grass growth is noted in many areas.</p> <p>Additional seed may be needed at Black Pond Jct. and on the slopes to East Meriden SS.</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>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. 7/7/08</p> <p>Timber mats have been removed except for the access at E. Mount and major crossing off Rte 9. 7/7/08</p> <p>Timber mats and some of the stone from the access road were removed from this area. 7/7/08 BSC was informed that ACOE is allowing this road to remain at or</p>	<p>Perform work in wetlands under the permitted guidelines. 7/7/08</p> <p>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 7/7/08</p> <p>Remove remaining mats unless additional access is needed. 7/7/08</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.</p>	<p>NA</p> <p>Restoration is almost complete.</p> <p>Timber mats should be removed when feasible.</p> <p>Reclamation will continue when water subsides. Continue to monitor very carefully.</p>

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<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>road to remain at or within 2" of the adjacent grade so that sheet flow can occur. The road will also be narrowed. 7/7/08</p> <p>The major crossing near the pond remains but all other crossings and channels remain restored 7/7/08</p> <p>The braided stream channels at structure #24415 (near East Meriden Sub) remain in good shape and were flowing clear. 7/7/08</p> <p>Previously exposed soil north and south of High Hill Rd. and south of East Main St. and at Black Pond Jct. remain graded, seeded and mulched. 7/7/08</p>	<p>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. 4/21-7/7/08</p> <p>Monitor the exposed areas and controls closely in this area until stabilization is complete. 7/7/08</p> <p>Trees previously cleared in the wetland have new growth sprouting from the stumps and the area should come back successfully in the growing season. 7/7/08</p> <p>Monitor controls and soils until stabilized. See erosion controls section for more information. 7/7/08</p>	<p>Continue to monitor.</p> <p>Streams and wetlands were restored very well.</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>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. 7/7/08</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. Controls remain in all exposed areas. Grass cover and revegetation noted in many areas. 7/7/08</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. 7/7/08</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 7/7/08</p>	<p>NA at this time.</p> <p>Continue to monitor</p>
<p>Vegetative clearing or stabilization</p> <p>ROW west of Scovill Rock SS to Chestnut</p>	<p>These areas have been final graded, hayed, and seeded. Some pad sites are along slopes and may have issues with erosion</p>	<p>Grass seed has germination has slowed do to hot dry weather. Monitor all exposed areas and controls and</p>	<p>Vegetative cover is increasing in many areas and portions of the ROW are well restored.</p>

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<p>Junction; Oxbow Jct. to Durham Rd; Durham Rd (Golf course); to Beseck SS; ROW North of Beseck SS to Black Pond</p>	<p>during heavy rains. Controls remain in all exposed areas. Grass cover and revegetation noted in many areas. 7/7/08</p> <p>Some reclaimed pad sites remain fairly sparse, likely due to hot weather, inhibiting vegetative growth. 6/30/08</p> <p>Shrubs were planted along the ROW near E. Meriden SS. 7/7/08</p>	<p>maintain as needed, until stable. Remove any silt fence after an area has stabilized. 7/7/08</p> <p>Continue to monitor and consider re-seeding some of these areas during more favorable conditions. 6/30/08</p> <p>Monitor shrubs and replace if needed. 7/7/08</p>	<p>Continue to monitor</p> <p>NA at this time.</p>
<p>Dewatering</p>	<p>Dewatering is complete at this time. 7/7/08</p>	<p>Continue to restore areas as needed. 7/7/08</p>	<p>NA at this time.</p>
<p>Blasting</p>	<p>No blasting is proposed. 7/7/08</p>	<p>None 7/7/08</p>	<p>NA</p>
<p>Spills, soils and material storage All active areas</p> <p>1A and 1B Contractor Receiving Yard and Staging Area</p>	<p>Spill controls move from site to site with the equipment. 7/7/08</p> <p>All materials have been removed from this area. Soil/stone stockpiles from the reclamation of multiple sites had been spread here. All but two of the original piles have been spread, seeded and mulched. 7/7/08</p>	<p>Always use spill control materials when working on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 7/7/08</p> <p>Continue to locate equipment away from wetland inlets such as culverts and CBs. See erosion control section regarding stockpiles. Determine whether the placement of this fill is satisfactory to the Middletown Water Dept. 7/7/08</p>	<p>NA</p> <p>Needs evaluation.</p>
<p>Additional Observations</p>	<p>NA</p>	<p>NA</p>	<p>NA</p>

**Next likely scheduled
inspection:**

Monday July 14, 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*



Oxbow Jct: View of vegetative growth/cover at Oxbow.



Haddam Quarter Rd: View of the culvert at the saturated crossing. This area is currently dry and good vegetative growth was noted.



Haddam Quarter: Old silt fence at the turn along the access road can be removed now that the area is stable.



Arbutus St: Top of the slope looking toward Ball Brook and the last structure off Black Walnut Dr. Good grass cover was noted.



Contractor Yard: Even though it has been temporarily stabilized with seed and mulch and controls are in place, the stockpile located upgradient from the wetlands at 1B should be moved.



E. Meriden SS: View of vegetative growth adjacent to the switching station



E. Meriden SS: Vegetative growth along the slope below the switching station is sparse and may need additional seed under more favorable conditions.



North of High Hill Rd: View of vegetative growth along the stream channel.