

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: June 23, 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: 0.32” of precipitation was recorded in the week prior to inspection with 0.18” falling on 6/18 & 6/20 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways			Not Applicable (NA)
Scovill SS west to Chestnut Junction	Restoration is almost complete. Contractor is currently focusing on restoring Seg.2A. 6/23/08	Continue to sweep roadways and refresh stone as needed. Clean existing controls in CBs as necessary. 6/23/08	
Scovill SS to Rte. 9 Rte. 9 to East Mount Rd.	Culverts are in place at the access road wetland crossings. 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. 6/23/08	Sweep Freeman Road and Rte 9 as needed. Monitor wetlands around the site for run-off. Monitor haybales for effectiveness. 6/23/08	NA
	Timber mats remain at the 1st saturated crossing off E. Mount Rd. 6/23/08	Monitor the area until stable. Remove mats upon completion of work. 6/23/08	NA
Shumpike Rd.	The gate remains in an effort to prevent further tracking in the recently restored access west off Shumpike Rd. Grass cover remains. 6/23/08	Continue to try and restrict access as feasible. 6/23/08	NA at this time.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Oxbow Junction to Beseck SS Haddam Quarter Rd.	A new culvert was installed at the previously bisected wetland. 6/23/08	Monitor the new culvert and controls for effectiveness. 6/23/08	New culvert was installed, maintaining hydrology.
Foot Hills Rd. to Durham Rd. (east) Powder Hill Rd.	Topsoil, hay, and seed remain at the reclaimed access roads and pad sites. 6/23/08	Monitor reclaimed areas for erosion and add controls as needed. 6/23/08	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. 6/23/08	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. 6/23/08	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. 4/29-6/23/08	Monitor the reclaimed area for stabilization. Hand grade and seed the rutted lawn area off private driveway. See erosion control section. 6/23/08	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. 6/23/08	Continue to monitor for stabilization through vegetative cover. 6/23/08	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. 6/23/08	Monitor this area for final stabilization and repair controls as needed. See erosion control section 6/23/08	NA at this time.
East Meriden SS	A fence was installed across the access road. Shrubs installed across the ROW. The re-graded access road remains mulched and seeded. 6/23/08	Monitor for stabilization and add controls as needed along the slope. Monitor newly planted shrubs until established. 6/23/08	New shrubs and a fence were installed.
Foundation and site construction	With the exception of Durham Rd. and a few minor areas. Reclamation is largely complete in Seg	None at this time. 6/23/08	NA at this time.

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Rte. 157 (east & west) & Elihu drive</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>which regularly floods. 6/23/08</p> <p>Small ruts from equipment were noted west of Rte. 157 along the private driveway within an area of lawn. 4/29-6/23/08.</p> <p>Restoration is complete. Slopes appear to be well vegetated and stabilizing. 6/23/08</p> <p>Haybales remain around the riprap sediment trap to filter any overflowing water from the basin. 6/23/08</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. 6/23/08</p>	<p>Avoid entering/working on the access road when it is flooded. 6/23/08</p> <p>Continue to monitor until final stabilization is achieved. Repair ruts by hand and seed when feasible. 4/29-6/23/08</p> <p>Controls should be maintained until the area is stable. 6/23/08</p> <p>Continue to monitor the controls for effectiveness and add/replace as needed. 6/23/08</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. 6/23/08</p>	<p>Small ruts need attention.</p> <p>NA at this time.</p> <p>NA at this time.</p> <p>Good grass growth is noted in many areas.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Scovill SS west to Chestnut Junction</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 or are being reclaimed. 6/23/08</p> <p>Only culverts remain in permanent wetland crossings except for the timber mat access at E.</p>	<p>Perform work in wetlands under the permitted guidelines. 6/23/08</p> <p>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 6/23/08</p> <p>See erosion control and access road sections. If further access is needed in this area, mats</p>	<p>NA</p> <p>Restoration is almost complete.</p> <p>Restoration is complete.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Oxbow Junction to Beseck SS Haddam Quarter Rd.</p>	<p>Mount, which was just recently restored 6/23/08</p> <p>A new culvert has been installed at the previously bisected wetland crossing. 6/23/08</p>	<p>should be reinstalled. 6/23/08</p> <p>Monitor culvert and controls for effectiveness. See access road section. 6/23/08</p>	<p>Culvert was installed, maintaining hydrology.</p>
<p>Durham Rd.</p>	<p>Timber mats and some of the stone from the access road were removed from this area. 6/23/08 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. 6/23/08</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. 4/21-6/23/08</p>	<p>Reclamation will continue. Continue to monitor very carefully.</p>
<p>Powder Hill Rd.</p>	<p>The major crossing near the pond remains but all other crossings and channels remain restored 6/23/08</p>	<p>Monitor the exposed areas and controls closely in this area until stabilization is complete. 6/23/08</p>	<p>Continue to monitor.</p>
<p>East of Beseck SS</p>	<p>The recently restored wetland area is almost fully stabilized. 6/23/08</p>	<p>Monitor the exposed soils around the wetlands for stabilization. Maintain controls until stable. 6/23/08</p>	<p>NA at this time.</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>The braided stream channels at structure #24415 (near East Meriden Sub) remain in good shape and were flowing clear. 6/23/08</p> <p>Exposed soil present 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. 6/23/08</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. Continue to monitor for erosion until full vegetative cover establishes. 6/23/08</p> <p>Monitor controls and soils until stabilized. See erosion controls section for more information. 6/23/08</p>	<p>Streams and wetlands were restored very well.</p> <p>Continue to monitor. Grass growth noted.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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. 6/23/08</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. 6/23/08</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. 6/23/08</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 6/23/08</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 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. 6/23/08</p> <p>Shrubs were planted along the ROW near E. Meriden SS. A fence was also installed. 6/23/08</p>	<p>Grass growth and vegetative cover are noted in many of the restored areas. Monitor all exposed areas and controls and maintain as needed, until stable. Remove any silt fence after an area has stabilized. 6/23/08</p> <p>Monitor shrubs and replace if needed. 6/23/08</p>	<p>Vegetative cover is increasing in many areas and portions of the ROW are well restored.</p> <p>Shrubs and a fence installed.</p>
<p>Dewatering</p>	<p>Dewatering is complete at this time and basins have been removed. 6/23/08</p>	<p>Continue to restore areas as needed. 6/23/08</p>	<p>NA at this time.</p>
<p>Blasting</p>	<p>No blasting is proposed. 6/23/08</p>	<p>None 6/23/08</p>	<p>NA</p>
<p>Spills, soils and material storage All active areas</p>	<p>Spill controls move from site to site with the equipment. 6/23/08</p>	<p>Always use spill control materials when working on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 6/23/08</p>	<p>NA</p>
<p>1A and 1B Contractor</p>	<p>Materials are being stored</p>	<p>Continue to locate</p>	<p>Needs evaluation.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Receiving Yard and Staging Area	in this area. Fuel tanks are not present. Soil/stone stockpiles from the reclamation of multiple sites were being stored and spread here. All but two have been spread, seeded and mulched. 6/23/08	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. 6/23/08	
Additional Observations	NA	NA	NA

Next likely scheduled inspection:

Monday June 30, 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



Shumpike Rd: View of vegetative growth/cover at the access road gate.



Bartholomew Rd: Final restoration complete, vegetative growth noted



East Mount: View of the second wetland crossing following the reclamation/restoration activities.



Haddam Quarter Rd: New culvert was installed at the previously bisected wetland crossing.



Johnson Ln: Wetland crossing water is clear and flowing through the culvert.



Contractor Yard: Stockpiles have been graded and the area was mulched and seeded.



Contractor Yard: View of one of two remaining stockpiles left. The stockpile is located upgradient from the wetlands at the entrance to Segment 1B and is mulched for temporary stabilization.



E. Meriden SS: New fence has been installed near the horse stable.