

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 2, 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: 0.23” of precipitation was recorded in the week prior to inspection all falling on 5/31 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways			
Scovill SS west to Chestnut Junction	Restoration is almost complete. Contractor is currently focusing on restoring Seg 2A. 6/2/08	Continue to sweep roadways and refresh stone as needed. Clean existing controls in CBs as necessary. 6/2/08	Not Applicable (NA)
Scovill SS to Rte. 9 Rte. 9 to East Mount Rd.	Culverts are in place at the access road wetland crossings. Timber mat stream crossings have been removed. 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. 6/2/08	Sweep Freeman Road and Rte 9 as needed. Monitor wetlands around the site for run-off. Monitor haybales for effectiveness. 6/2/08	Restoration complete.
	Timber mats remain at the 1st saturated crossing off E. Mount Rd. but the 2nd has been final graded/restored. The sediment noted within the wetlands off E. Mount Rd. (since 4/4) has been removed by hand. 6/2/08	Monitor the area until stable. 6/2/08	Sediment was removed from the wetland crossing by hand.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Shunpike Rd.	Vehicle tracks were noted in the recently restored access west off Shunpike Rd. Grass cover had been establishing. These tracks are likely not project related. 6/2/08	If tracks are ATVs, attempt to restrict access if feasible. 6/2/08	Evaluate restricting access here.
Oxbow Junction to Beseck SS Haddam Quarter Rd.	The permitted permanent access road remains in place. Stone fill bisects the wetland and no culverts were installed. 4/21-6/2/08	Contractors stated they will likely be installing a culvert to maintain the hydrologic connection within the wetland. Work may wait to be completed in a low flow period. 4/29-6/2/08	Needs evaluation. Contractors will be installing a culvert in appropriate conditions.
Foot Hills Rd. to Durham Rd. (east) Powder Hill Rd.	Topsoil, hay, and seed remain at the reclaimed access roads and pad sites. 6/2/08	Monitor reclaimed areas for erosion and add controls as needed. 6/2/08	Restoration complete
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. 6/2/08	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. 6/2/08	NA at this time. Restoration still scheduled here.
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. 4/29-6/2/08	Monitor the reclaimed area for stabilization. Hand grade and seed the rutted lawn area off private driveway. See erosion control section. 6/2/08	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. The small amount of stone/sediment within the wetlands (immediately east of Beseck) has been removed by hand. 6/2/08	Continue to monitor for stabilization through vegetative cover. 6/2/08	Sediment and stone was removed from wetlands by hand.
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	Monitor this area for final stabilization and repair controls as needed. See erosion control section 6/2/08	NA at this time.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	to divert and filter turbid run-off from the wetlands. 6/2/08		
Foundation and site construction	With the exception of Durham Rd. and a few minor areas. Reclamation is largely complete in Seg 1A. Contractors mobilizing and starting final restoration of Seg 2A. 6/2/08	None at this time. 6/2/08	NA at this time.
<p data-bbox="188 642 462 758">Erosion and sediment controls Scovill SS west to Chestnut Junction</p> <p data-bbox="188 1234 462 1350">Oxbow Junction to Beseck SS Haddam Quarter Road to Durham Rd.</p> <p data-bbox="188 1927 462 1982">Contractor Receiving Yard and Storage Area</p>	<p data-bbox="488 642 797 737">Water bars/drainage ditches are working well in this area. 6/2/08</p> <p data-bbox="488 768 797 884">Final restoration of pads and access roads is complete in this section. 6/2/08</p> <p data-bbox="488 957 797 1209">The accumulated sediment noted within the wetland leading to Oxbow Jct. (since 4/7) was removed by hand. Timber mats remain at the 1st crossing for access. 6/2/08</p> <p data-bbox="488 1251 797 1503">Reclamation was complete from Haddam Quarter Rd to Durham Rd Controls remain adjacent to sensitive areas and exposed areas remain covered with hay and seed. 6/2/08</p> <p data-bbox="488 1535 797 1850">The permitted stone access road remains. It bisects the wetlands and a culvert was not installed, off Haddam Quarter. 4/21-6/2/08 Conditions are currently dry and work may be appropriate at this time. 6/2/08</p> <p data-bbox="488 1913 797 1982">Controls remain in good shape around the</p>	<p data-bbox="823 642 1131 737">Continue to maintain and ensure water is directed to stable areas. 6/2/08</p> <p data-bbox="823 768 1131 926">Continue to monitor and add controls as needed. Monitor newly restored areas for vegetative cover and stabilization. 6/2/08</p> <p data-bbox="823 957 1131 1083">Continue to use timber mats until work is complete. Monitor for stabilization. 6/2/08</p> <p data-bbox="823 1251 1131 1409">Monitor controls and maintain as needed. Monitor for final stabilization and vegetative cover. 6/2/08</p> <p data-bbox="823 1535 1131 1881">Monitor wetlands for flooding of the access road and erosion. Contractors will likely be installing a culvert here in a drier low flow period. 4/29-6/2/08 Work should be scheduled to take advantage of conditions. 6/2/08</p> <p data-bbox="823 1913 1131 1982">Monitor this area for stabilization and continue</p>	<p data-bbox="1157 642 1344 663">NA at this time</p> <p data-bbox="1157 768 1360 831">Final restoration complete.</p> <p data-bbox="1157 957 1417 1020">Sediment removed by hand.</p> <p data-bbox="1157 1251 1344 1272">NA at this time.</p> <p data-bbox="1157 1535 1445 1629"><i>Contractors will be installing a culvert during appropriate conditions.</i></p> <p data-bbox="1157 1913 1344 1944">NA at this time.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Durham Rd.	<p>perimeter of the yard. The large exposed storage area (north west of yard) remains covered with hay/seed. 6/2/08</p> <p>The stockpiled soils from Black Walnut Dr. stored in the upper yard have been temporarily stabilized with hay/seed. (Since 5/19) 6/2/08 Stockpiles from the Scovill SS section are also being piled in the lower yard and will need to be stabilized. 5/19-6/2/08</p> <p>Timber mats/stone access road was removed west of Durham Rd. Some controls are in place including fiber rolls adjacent to the stone pad at structure # 24521 which regularly floods. 6/2/08</p>	<p>to maintain controls until stable. 6/2/08</p> <p>Monitor for stabilization and remove when feasible. 6/2/08</p> <p>Add controls around the new stockpiles, stabilize, or remove in accordance with the D&M plan. 5/19-6/2/08</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. 6/2/08</p>	<p>Hay/seed applied on the old stockpile</p> <p>New stockpiles will need controls.</p> <p>Needs careful monitoring. See Inland wetland section.</p>
Rte. 157 (east & west) & Elihu drive	<p>Small ruts from equipment were noted west of Rte. 157 along the private driveway within an area of lawn. 4/29-6/2/08.</p>	<p>Continue to monitor until final stabilization is achieved. Repair ruts by hand and seed when feasible. 4/29-6/2/08</p>	<p>Small ruts need attention.</p>
Powder Hill Rd.	<p>Restoration was complete. Hay, seed, and control remain in place. 6/2/08</p>	<p>Remove any sediment that had previously accumulated against the controls. Controls should be maintained until the area is stable. 6/2/08</p>	<p>NA at this time.</p>
East of Beseck SS	<p>Haybales are installed around the riprap sediment trap to filter any overflowing water from the basin. 6/2/08</p>	<p>Continue to monitor the controls for effectiveness and add/replace as needed. 6/2/08</p>	<p>NA at this time.</p>
Black Pond Junction to Beseck SS ROW, North of Beseck SS to Black Pond Jct.	<p>The minor amounts of stone from pad #4534 within the wetlands (immediately to the east of BSS) was removed by hand. All</p>	<p>Continue to monitor and maintain controls until final stabilization and vegetative cover has established 6/2/08</p>	<p>Minor amounts of stone were removed.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>controls remain in place until final stabilization has been achieved. 6/2/08</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. 6/2/08</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. 6/2/08</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>Oxbow Junction to Beseck SS Haddam Quarter 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 or are being reclaimed. 6/2/08</p> <p>Timber mats have been removed and only culverts remain in permanent wetland crossings except for the access at E. Mount, which was just recently restored 6/2/08</p> <p>Sediment deposition noted (since 4/7) in a wetland in the segment of ROW that moves south to Oxbow Jct. has been removed. 6/2/08</p> <p>Timber mats were removed and replaced with a permitted stone access. A culvert was not installed at the crossing but there is only surface water/overland flow vs a channel. 4/29-6/2/08</p>	<p>Perform work in wetlands under the permitted guidelines. 6/2/08</p> <p>Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 6/2/08</p> <p>See erosion control and access road sections. If further access is needed in this area, mats should be reinstalled. 6/2/08</p> <p>Monitor this area until final stabilization is achieved. 6/2/08</p> <p>Monitor new crossing for erosion and flooding. Contractors will be installing a culvert to maintain the hydrologic connection, likely at a drier time of year to minimize additional</p>	<p>NA</p> <p>Needs to be assessed. Restoration is almost complete.</p> <p>See erosion control section. Restoration is complete.</p> <p>Contractor has removed sediment by hand.</p> <p>Needs evaluation. Contractors will be installing a culvert when appropriate.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Durham Rd.	<p>Conditions are currently dry and may be appropriate for culvert installation. 6/2/08</p> <p>Timber mats and some of the stone from the access road were removed from this area. 6/2/08 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. 6/2/08</p>	<p>disturbance. 4/29-6/2/08 Evaluate conditions to take advantage of dry weather. 6/2/08</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. 4/21-6/2/08</p>	<p>Reclamation will continue. Continue to monitor very carefully.</p>
Powder Hill Rd.	<p>The major crossing near the pond remains but all other crossings and channels remain restored 6/2/08</p>	<p>Monitor the exposed areas and controls closely in this area until stabilization is complete. 6/2/08</p>	<p>Continue to monitor.</p>
East of Beseck SS	<p>The minor sediment and stone/soil from the old pad (noted since 10/22) was removed by hand, from the wetlands. BSC had previously evaluated this with B&M and agreed with their further assessment that native soils were also extremely stony in this area and that the previously proposed shaker attachment would likely remove too much material. 6/2/08</p>	<p>Monitor the exposed soils around the wetlands for stabilization. Maintain controls until stable. 6/2/08</p>	<p>Stone was removed by hand from wetlands.</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. 6/2/08</p> <p>Exposed soil present within wetlands north and south of High Hill Rd. and south of East</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. 6/2/08</p> <p>Monitor controls and soils until stabilized. See erosion controls section for more information.</p>	<p>Streams and wetlands were restored very well.</p> <p>Continue to monitor.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Main St. and at Black Pond Jct. remain graded, seeded and mulched. 6/2/08</p>	<p>6/2/08</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. 6/2/08</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. 6/2/08</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. 6/2/08</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 6/2/08</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 were fixed and remain in all exposed areas. Grass cover and revegetation noted in many areas. 6/2/08</p>	<p>Grass seed has started to germinate now do to warmer weather. Monitor all exposed areas and controls and maintain as needed, until stable. Remove any silt fence after an area has stabilized. 6/2/08</p>	<p><i>In all areas, be aware of limits of clearing and stick to the specifications of the D&M plan</i></p> <p>Grass growth is occurring in seeded areas.</p>
<p>Dewatering</p>	<p>Dewatering is complete at this time and basins have been removed. 6/2/08</p>	<p>Continue to restore areas as needed. 6/2/08</p>	<p>NA at this time.</p>
<p>Blasting</p>	<p>No blasting is proposed. 6/2/08</p>	<p>None 6/2/08</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. 6/2/08</p>	<p>Always use spill control materials when working on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 6/2/08</p>	<p>NA</p>
<p>Oxbow Junction to Beseck SS</p>	<p>Materials are being stored in this area. Fuel tanks</p>	<p>Continue to locate hazardous materials and</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Contractor Receiving Yard and Staging Area	are not present. Soil stockpiles were being stored here. 6/2/08	equipment away from wetland inlets such as culverts and CBs. See erosion control section regarding stockpiles 6/2/08	
Additional Observations	NA	NA	NA

Next likely scheduled inspection:

Tuesday June 10, 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



West of Shunpike Rd.: Final grading had previously occurred and Grass growth was noted, however vehicles had since tracked through.



East Mount Rd: Sediment run-off deposits were removed by hand, from the wetland.



Haddam Quarter: Access road crossing is currently dry. Culverts should be installed to take advantage of the conditions.



Johnson Ln: Final restoration complete and good grass growth noted. View looking from Johnson east to Foot Hills Rd at the restored access road and ROW.



North of Beseck: Final restoration complete. Grass growth noted.



East of Beseck: Remaining minor amounts of stone were removed by hand, from the wetland.



South from E. Meriden SS: Restoration complete. Small pile of stone remains.



South of E. Main St: Final restoration complete. Grass growth noted at the site entrance.