

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: May 19, 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: 0.51” of precipitation was recorded in the week prior to inspection with 0.27” of the total reported on 5/15 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Access roads and stone tracking pads are being removed and reclaimed along the ROW.	Continue to sweep roadways and refresh stone as needed. Clean existing controls in CBs as necessary. 5/19/08	Not Applicable (NA)
Scovill SS west to Chestnut Junction			
Scovill SS to Rte. 9 Rte. 9 to East Mount Rd.	Culverts and or timber mats are in place at the access road wetland crossings. Several timber mat stream crossings and water bars/drainage ditches remain on these 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. 5/19/08	Sweep Freeman Road and Rte 9 as needed. Monitor wetlands around the site for run-off. Controls should be added as needed to protect sensitive areas. Monitor mats for sediment accumulation. Monitor new haybales for effectiveness. 5/19/08	NA
	Timber mats were replaced at the 1st saturated crossing off E. Mount Rd. in order to access for final restoration activities. 5/19/08	Monitor controls for effectiveness during final grading. 5/19/08	Timber mats were replaced at E. Mount Rd. for restoration.
	Some sediment was noted within the wetlands in the portion of the ROW off E. Mount that leads to	Remove any sediment that has accumulated more than 2”, by hand,	Sediment should be removed from the wetland as needed.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Shunpike Rd.	<p>Oxbow Jct. 4/4-5/19/08</p> <p>From Shunpike Rd, reclamation of access east is complete. Access road was reclaimed and controls were removed at the ROW entrance and bridge crossing. Topsoil, hay, and seed applied. The west access was being final graded with topsoil, hay, and seed applied. 5/19/08</p>	<p>from the wetlands as needed. 4/7-5/19/08</p> <p>Continue to monitor and maintain controls as needed in areas where work is returning. Continue to monitor exposed areas as needed. 5/19/08</p>	<p>Reclamation is complete to the east. Restoration underway to the west.</p>
Oxbow Junction to Beseck SS Haddam Quarter Rd.	<p>The permitted permanent access road remains in place. Stone fill bisects the wetland and no culverts were installed. 4/21-5/19/08</p>	<p>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. 4/29-5/19/08</p>	<p>Needs evaluation. Contractors will be installing a culvert in appropriate conditions.</p>
Foot Hills Rd., East of Arbutus St. Powder Hill Rd.	<p>Topsoil, hay, and seed remain at the reclaimed access roads. 5/19/08</p>	<p>Monitor access roads with new stone and newly reclaimed areas for erosion and add controls as needed. 5/19/08</p>	<p>NA</p>
Black Walnut Dr.	<p>Loam, hay, and seed remain in place at the site entrance within an area of lawn. 5/19/08</p>	<p>Monitor this area until stable with vegetative cover. 5/19/08</p>	<p>NA at this time</p>
Durham Rd	<p>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. 5/19/08</p>	<p>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. 5/19/08</p>	<p>NA at this time. Restoration still scheduled here.</p>
Elihu Dr.; Rte. 157 (west) Private Driveway;	<p>A small rutted area remains from equipment parking north side of access road driveway (west of 157) within an existing lawn. 4/29-5/19/08</p>	<p>Monitor the newly reclaimed area for stabilization. Hand grade and seed the rutted lawn area off private driveway. See erosion control section. 5/19/08</p>	<p>Lawn/ruts need attention.</p>
Black Pond Junction to Beseck SS	<p>Final grading/removal of</p>	<p>Continue to monitor for</p>	<p>Final reclamation</p>

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<p>ROW, North of Beseck SS</p> <p>Fleming Rd to Black Pond Jct.</p>	<p>the access roads and pads is complete except for a minor amount noted within the wetlands (immediately east of Beseck). All exposed areas have been mulched and seeded. 5/19/08</p> <p>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. 5/19/08</p>	<p>stabilization through vegetative cover. Contractors plan to remove the small amount of material by hand from wetlands. 5/19/08</p> <p>Monitor this area for final stabilization and repair controls as needed. See erosion control section 5/19/08</p>	<p>complete. Some grass growth was noted.</p> <p>NA at this time.</p>
<p>Foundation and site construction Scovill SS west to Chestnut Junction</p>	<p>Final grading, restoration/reclamation and timber mat removal almost complete in this section. 5/19/08</p>	<p>Continue to restore and reclaim areas as applicable. Erosion controls should remain until all areas are stable. 5/19/08</p>	<p>Final restoration underway.</p>
<p>Erosion and sediment controls Scovill SS west to Chestnut Junction</p> <p>Oxbow Junction to</p>	<p>Water bars/drainage ditches are working well in this area. 5/19/08</p> <p>Timber mats, silt fence, and filter socks remain along the access road and at the wetland crossings with haybales from Scovill to Rte 9. Final restoration of pads and access roads underway. 5/19/08</p> <p>Restoration is complete east of Shunpike Rd. Restoration continues west of Shunpike to E. Mount. Controls remain along sensitive areas. 5/19/08</p> <p>Some accumulated sediment was noted within the wetland leading to Oxbow Jct. 4/7-5/19/08</p> <p>Reclamation was complete from Haddam</p>	<p>Continue to maintain and ensure water is directed to stable areas. 5/19/08</p> <p>Continue to add controls along access road upgradient from wetlands prior to activities. The area has high flow during heavy rains. 5/19/08</p> <p>Continue to restore and reclaim completed area. Monitor newly restored areas for vegetative cover and stabilization. 5/19/08</p> <p>Evaluate and remove any sediment accumulation over 2", by hand, from the wetlands. 4/7-5/19/08</p> <p>Monitor controls and maintain as needed.</p>	<p>NA at this time</p> <p>Final restoration underway.</p> <p>Restoration underway.</p> <p>Needs evaluation. Sediment removal from wetlands may be needed.</p> <p>NA at this time.</p>

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<p>Beseck SS Haddam Quarter Road to Durham Rd.</p> <p>Contractor Receiving Yard and Storage Area</p>	<p>Quarter Rd to Durham Rd Controls remain adjacent to sensitive areas and exposed areas remain covered with hay and seed. 5/19/08</p> <p>The permitted stone access road remains. It bisects the wetlands and a culvert was not installed, causing some ponding off Haddam Quarter. 4/21-5/19/08</p> <p>Controls remain in good shape around the perimeter of the yard. The large exposed storage area (north west of yard) remains covered with hay/seed. 5/19/08</p> <p>The stockpiled soils from Black Walnut Dr. stored in the upper yard have been temporarily stabilized with hay/seed. 5/19/08 Stockpiles from the Scovill SS section are also being piled in the lower yard and will need to be stabilized. 5/19/08</p>	<p>Monitor for final stabilization and vegetative cover. 5/19/08</p> <p>Monitor wetlands for flooding of the access road and erosion. Contractors will likely be installing a culvert here in a drier low flow period. 4/29-5/19/08</p> <p>Monitor this area for stabilization and continue to maintain controls until stable. 5/19/08</p> <p>Monitor for stabilization and remove when feasible. 5/19/08</p> <p>Add controls around the new stockpiles, stabilize, or remove in accordance with the D&M plan. 5/19/08</p>	<p><i>Contractors will be installing a culvert during appropriate conditions.</i></p> <p>Final grading complete. Hay and seed have been applied.</p> <p>Hay/seed applied on the old stockpile</p> <p>New stockpiles will need controls.</p>
<p>Durham Rd.</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 5/19/08</p> <p>Hay mulch and seed remain on some exposed areas at the reclaimed wetland crossing near #24520. 5/19/08</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. 5/19/08</p> <p>Monitor wetlands and exposed areas for run-off. Additional controls may be needed. 5/19/08</p>	<p>Needs careful monitoring. See Inland wetland section.</p> <p>Continue to monitor</p>
<p>Rte. 157 (east & west) & Elihu drive</p>	<p>Small ruts from equipment were noted west of Rte. 157 along the private driveway within</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>an area of lawn. 4/29-5/19/08.</p> <p>Restoration was complete. Hay, seed, and control remain in place. 5/19/08</p> <p>Haybales are installed around the riprap sediment trap to filter any overflowing water from the basin. 5/19/08</p> <p>Pad #4534 within the wetlands (immediately to the east of BSS) still requires some additional low-impact work. 5/12-5/19/08</p> <p>All pads north of Beseck to Black Pond Jct. remain reclaimed, final graded, and covered in hay mulch and seed. Reclamation has been done well and the ROW is in good condition. All controls remain in place until final stabilization has been achieved. 5/19/08</p> <p>The new riprap channel has been installed at the existing drainage channel, which leaves E. Meriden SS and flows down slope and into a pond near structure 24462. This was to help with previous erosion issues noted here. 5/19/08</p>	<p>feasible. 4/29-5/19/08</p> <p>Remove any sediment that had previously accumulated against the controls. Controls should be maintained until the area is stable. 5/19/08</p> <p>Continue to monitor the controls for effectiveness and add/replace as needed. 5/19/08</p> <p>See inland wetland section for more detail but some additional minor, low-impact restoration was agreed upon with the contractor. 5/12-5/19/08</p> <p>Continue to monitor and maintain controls until final stabilization and vegetative cover. 5/12-5/19/08</p> <p>Monitor this channel for effectiveness in cleaning water and preventing erosion. 5/19/08</p>	<p>NA at this time.</p> <p>NA at this time.</p> <p>See inland wetland section.</p> <p>NA at this time.</p> <p>Riprap channel and settling basin was installed.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>ACOE permit is in hand.</p> <p>In accordance with the D&M Plan, all work occurring in and around</p>	<p>Perform work in wetlands under the permitted guidelines. 5/19/08</p> <p>Final stabilization and reclamation efforts should occur in completed areas</p>	<p>NA</p> <p>Contractors are providing restoration in a linear fashion with</p>

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<p>Scovill SS west to Chestnut Junction</p>	<p>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. 5/19/08</p> <p>Timber mats and culverts remain at wetland crossings only up to Rte 9. in this section. All other crossings and adjacent areas from Rte 9 to Chestnut Jct were removed and restored except for the access at E. Mount, which was currently being restored. 5/19/08</p>	<p>in and around wetlands. Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 5/19/08</p> <p>All crossings are temporary and will require restoration upon project completion. See erosion control and access road sections. If further access is needed in this area, mats should be reinstalled. 5/19/08</p>	<p>many areas already restored</p> <p>See erosion control section.</p> <p>Restoration is underway.</p>
<p>Oxbow Junction to Beseck SS Haddam Quarter Rd.</p>	<p>Sediment deposition was noted in a wetland in the segment of ROW that moves south to Oxbow Jct. 4/7-5/19/08</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. 4/29-5/19/08</p>	<p>Evaluate sediment and remove by hand if needed. 4/7-5/19/08</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 disturbance. 4/29-5/19/08</p>	<p>Wetland needs evaluation</p> <p>Needs evaluation. Contractors will be installing a culvert when appropriate.</p>
<p>Durham Rd.</p>	<p>Timber mats and some of the stone from the access road were removed from this area. 5/19/08 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. 5/19/08</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. 4/21-5/19/08</p>	<p>Reclamation will continue. Continue to monitor very carefully.</p>
<p>Powder Hill Rd.</p>	<p>The major crossing near</p>	<p>Monitor the exposed</p>	<p>Continue to monitor.</p>

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<p>East of Beseck SS</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 pond remains but all other crossings and channels remain restored 5/19/08</p> <p>Some sediment and stone/soil from the old pad remain in the wetlands. (noted since 10/22) however, BSC 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. 5/19/08</p> <p>The braided stream channels at structure #24415 (near East Meriden Sub) remain in good shape and were flowing clear. 5/19/08</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. remains graded and covered with hay and seed. 5/19/08</p>	<p>areas and controls closely in this area until stabilization is complete. 5/19/08</p> <p>A few small areas of stone dust piles or trap rock remain in the pad and B&M agreed to clean up these areas by hand. 5/19/08</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. 5/19/08</p> <p>Monitor controls and soils until stabilized. See erosion controls section for more information. 5/19/08</p>	<p>Area was evaluated and some minor, low-impact restoration will be provided.</p> <p>Streams and wetlands were restored very well.</p> <p>Continue to monitor:</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.;</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. 5/19/08</p> <p>A variety of wildlife has been noted in and adjacent to the majority of wetlands in the ROW</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. 5/19/08</p> <p>Continue to be very mindful of controlling sediment and reducing access near wetlands used</p>	<p>NA at this time.</p> <p>Continue to monitor</p>

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<p>Contractor Storage Yard Pond; East of Beseck SS</p>	<p>at access and work areas. These are not state listed species, but indicate good habitat. 5/19/08</p>	<p>for amphibian breeding Also monitor controls for effectiveness and be mindful that the controls can block foraging/migrating wildlife 5/19/08</p>	
<p>Vegetative clearing or stabilization</p> <p>Oxbow Jct. to Durham Rd; Durham Rd (Golf course); to Beseck SS ROW North of Beseck SS to Black Pond</p> <p>ROW west of Scovill Rock SS to Chestnut Junction</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. 5/19/08</p> <p>Restoration work is underway from Chestnut Jct. to Scovill SS. Timber mat removal, final grading and seeding continue in a linear fashion moving toward Scovill SS 5/19/08</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. 5/19/08</p> <p>Continue to restore areas as needed. Monitor exposed soils until stable and maintain controls prior to final grading as needed. 5/19/08</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>Restoration continues moving toward Scovill SS..</p>
<p>Dewatering</p>	<p>Dewatering is complete at this time and basins have been removed. 5/19/08</p>	<p>Continue to restore areas as needed. 5/19/08</p>	<p>NA at this time.</p>
<p>Blasting</p>	<p>No blasting is proposed. 5/19/08</p>	<p>None 5/19/08</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>All active areas</p> <p>Oxbow Junction to Beseck SS Contractor Receiving Yard and Staging Area</p>	<p>Spill controls move from site to site with the equipment. 5/19/08</p> <p>Materials are being stored and structures staged in this area. Fuel tanks are not present. Soil stockpiles were being stored here. 5/19/08</p>	<p>Always use spill control materials when working on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 5/19/08</p> <p>Continue to locate hazardous materials and equipment away from wetland inlets such as culverts and CBs. See erosion control section regarding stockpiles 5/19/08</p>	<p>NA</p> <p>See erosion control section</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Additional Observations	NA	NA	NA

Next likely scheduled inspection: Tuesday May 27, 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 Scovill SS: Final grading and reclamation underway.



West of Scovill: Final grading and stabilization measures underway. Crews were replacing a section of stonewall.



West of Scovill SS: Final grading along the edge of the access road almost complete.



Shumpike Rd East: Final restoration complete from the eastern access to Rte 9



Shumpike Rd. West: Final grading and restoration measures underway.



East Mount Rd: Timber mats were replaced in order to access the site and final grading was underway.



Contractor Yard: Stockpiling soils from restoration at Scovill SS to Chestnut Jct.



E. Meriden SS (West): Final restoration complete. Riprap settling area and drainage area installed from the runoff near the switching station. Monitor to ensure effectiveness in preventing erosion near the pond.