

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 12, 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: 0.83” of precipitation was recorded in the week prior to inspection with 0.73” of the total reported on 5/9 (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. 5/12/08 | 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. 5/12/08 | 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. 5/12/08 | NA |
| | Timber mats were removed from the saturated crossing at the entrance off E. Mount Rd. However, timber mats at the second crossing remain. 4/14-5/12/08 Some sediment was noted within the wetlands in the portion of the ROW | Monitor controls for effectiveness and add/fix controls as needed. It appears access will still be needed; Timber mats will have to be restored to the first crossing. 4/14-5/12/08 Remove any sediment that has accumulated | Sediment should be removed from the wetland as needed. |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|--|--|---|--|
| Shumpike Rd. | <p>off E. Mount that leads to Oxbow Jct. 4/4-5/12/08</p> <p>Controls repaired/ reinforced at the wetland crossing proactively, prior to the start of restoration work in this area. New access road sub-base was also installed as needed. 5/12/08</p> | <p>more than 2", by hand, from the wetlands as needed. 4/7-5/12/08</p> <p>Continue to monitor and maintain controls as needed as work picks up in areas that were inactive for extended periods. Continue to monitor exposed areas. 5/12/08</p> | <p>Reinforced controls were installed at wetland crossing proactively.</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. 4/21-5/12/08</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. 4/29-5/12/08</p> | <p>Needs evaluation. Contractors will be installing a culvert in appropriate conditions.</p> |
| Foot Hills Rd., East of Arbutus St. | <p>Topsoil, hay, and seed remain at the reclaimed access roads. 5/12/08</p> | <p>Monitor access roads with new stone and newly reclaimed areas for erosion and add controls as needed. 5/12/08</p> | <p>NA</p> |
| Black Walnut Dr. | <p>Loam, hay, and seed remain in place at the site entrance within an area of lawn. 5/12/08</p> | <p>Monitor this area until stable with vegetative cover. 5/12/08</p> | <p>NA at this time.</p> |
| Powder Hill Rd. | <p>Final reclamation and stabilization measures were complete east and west of the roadway. Timber mats were removed and topsoil, hay, and seed have been applied. 5/12/08</p> | <p>Monitor and replace controls as needed until final stabilization occurs. 5/12/08</p> | <p>Final reclamation complete east & west.</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. 5/12/08</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. 5/12/08</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</p> | <p>Monitor the newly reclaimed area for stabilization. Hand grade</p> | <p>Lawn/ruts need attention.</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|--|--|--|
| <p>East of Beseck SS</p> <p>Black Pond Junction to Beseck SS ROW, North of Beseck SS</p> <p>Fleming Rd to Black Pond Jct.</p> | <p>access road driveway (west of 157) within an existing lawn. 4/29-5/12/08</p> <p>Haybales remain around the sediment basin associated with Beseck to filter overflow. The basin was currently dry. 5/12/08</p> <p>Final grading/removal of 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. 5/12/08</p> <p>Final grading and restoration complete from Fleming Rd. to Black Pond Jct. 5/12/08</p> <p>Water bars and controls remain along wetlands and banks from BSS to Black Pond Jct. to divert and filter turbid run-off from the wetlands. 5/12/08</p> | <p>and seed the rutted lawn area off private driveway. See erosion control section. 5/12/08</p> <p>Monitor controls during heavy rain events. Sediment is extremely fine and difficult to filter here. See erosion control and inland wetland sections. 5/12/08</p> <p>Continue to monitor for stabilization through vegetative cover. Contractors plan to remove the small amount of material by hand from wetlands. 5/12/08</p> <p>Monitor this area for final stabilization. See erosion control section. 5/12/08</p> <p>Continue to monitor and repair controls as needed. See erosion control section 5/12/08</p> | <p>NA at this time.</p> <p>Final reclamation complete. Some grass growth was noted.</p> <p>Final restoration complete.</p> <p>Preventative controls remain in place.</p> |
| <p>Foundation and site construction Rte. 9 to East Mount Rd.</p> <p>E. Meriden SS</p> | <p>Final restoration and timber mat removal underway. Moving from E. Mount Rd. toward Rte. 9. 5/12/08</p> <p>Riprap channel being installed at the base of the slope near structure 24462 to redefine the existing run-off channel and prevent erosion near the pond. 5/12/08</p> <p>The remainder of the grading and reclamation are completed in this</p> | <p>Continue to restore and reclaim areas as applicable. Erosion controls should remain until all areas are stable. 5/12/08</p> <p>Monitor the new channel for effectiveness. 5/12/08</p> <p>Continue to monitor until vegetative cover establishes. 5/12/08</p> | <p>Final restoration underway.</p> <p>Riprap channel being installed.</p> <p>NA at this time</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|---|--|---|
| | <p>section between Fleming Rd. and Black Pond Jct. 5/12/08</p> | | |
| <p>Erosion and sediment controls Scovill SS west to Chestnut Junction Scovill SS to Rte. 9 Rte. 9 to East Mount Rd.</p> <p>Oxbow Junction to Beseck SS Haddam Quarter Road to Durham Rd.</p> <p>Contractor Receiving Yard and Storage Area</p> | <p>Water bars/drainage ditches are working well in this area. 5/12/08</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. 5/12/08</p> <p>Timber mats have been removed and restoration is in progress from Rte 9 to E. Mount Rd. Controls remain along sensitive areas. 5/12/08</p> <p>Some accumulated sediment was noted within the wetland leading to Oxbow Jct. 4/7-5/12/08</p> <p>Controls (Haybales, filter socks) are installed adjacent to sensitive areas. Restoration/reclamation was complete from Haddam Quarter Rd to Durham Rd and exposed areas are covered with hay and seed. 5/12/08</p> <p>The new permitted stone access road remains. It bisects the wetlands and a culvert was not installed, causing some ponding off Haddam Quarter. 4/21-5/12/08</p> <p>Controls remain in good shape around the perimeter of the yard. The large exposed storage area (north west of yard) has been final graded as per landowner requests</p> | <p>Continue to maintain and ensure water is directed to stable areas. 5/12/08</p> <p>Continue to add controls along access road upgradient from wetlands prior to activities. The area has high flow during heavy rains. 5/12/08</p> <p>Continue to restore and reclaim completed area. Monitor newly restored areas for vegetative cover and stabilization. 5/12/08</p> <p>Evaluate and remove any sediment accumulation over 2", by hand, from the wetlands. 4/7-5/12/08</p> <p>Monitor controls and maintain as needed. Monitor for final stabilization and vegetative cover. 5/12/08</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. 4/29-5/12/08</p> <p>Monitor this area for stabilization and continue to maintain controls until stable. 5/12/08</p> | <p>NA at this time</p> <p>NA at this time</p> <p>Restoration underway.</p> <p>Needs evaluation. Sediment removal from wetlands may be needed.</p> <p>NA at this time.</p> <p>Contractors will be installing a culvert during appropriate conditions.</p> <p>Hay and seed have been applied.</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|---|--|---|
| Durham Rd. | <p>and has been covered with hay/seed. 5/12/08</p> <p>Crews have stockpiled soils from Black Walnut Dr. here and controls will be needed. 4/29-5/12/08</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 5/12/08</p> <p>Hay mulch and seed remain on some exposed areas at the reclaimed wetland crossing near #24520. 5/12/08</p> | <p>Add controls around the stockpiles or remove in accordance with the D&M plan. 4/29-5/12/08</p> <p>Monitor carefully and reduce grade and width of the road to the maximum extent feasible. 5/12/08</p> <p>Avoid entering/working on the access road when it is flooded. 5/12/08</p> <p>Monitor wetlands and exposed areas for run-off. Additional controls may be needed. 5/12/08</p> | <p>Stockpiles need attention.</p> <p>Needs careful monitoring. See Inland wetland section.</p> <p>Continue to monitor</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. 4/29-5/12/08.</p> | <p>Continue to monitor until final stabilization is achieved. Repair ruts by hand and seed when feasible. 4/29-5/12/08</p> | <p>Small ruts need attention.</p> |
| Powder Hill Rd. | <p>Timber mat removal and restoration was complete. Timber mats were removed from high flow and saturated areas and hay and seed have been applied. Controls remain in place. 5/12/08</p> | <p>Remove any sediment that had previously accumulated against the controls. Controls should be maintained until the area is stable. 5/12/08</p> | <p>Timber mat removal complete and hay/seed applied.</p> |
| East of Beseck SS | <p>Haybales are installed around the riprap sediment trap to filter any overflowing water from the basin. 5/12/08</p> | <p>Continue to monitor the controls for effectiveness and add/replace as needed. 5/12/08</p> | <p>NA at this time.</p> |
| Black Pond Junction to Beseck SS ROW, North of Beseck SS to Black Pond Jct. | <p>Pad #4534 within the wetlands (immediately to the east of BSS) still requires some additional low-impact work. 5/12/08</p> | <p>See inland wetland section for more detail but some additional minor, low-impact restoration was agreed upon with the contractor. 5/12/08</p> | <p>See inland wetland section.</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|--|--|--|
| <p>South of High Hill Rd. (vicinity of East Meriden Substation)</p> | <p>All pads north of Beseck to Black Pond Jct. have been 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. 5/12/08</p> <p>A new riprap channel was being 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. 5/12/08</p> | <p>Continue to monitor and maintain controls until final stabilization and vegetative cover. 5/12/08</p> <p>Monitor this channel for effectiveness in cleaning water and preventing erosion. 5/12/08</p> | <p>All pad and access roads have been final graded and reclaimed.</p> <p>Riprap channel is being installed to prevent erosion.</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. 5/12/08</p> <p>Timber mats and culverts remain at wetland crossings only up to Rte 9, in this section. All other crossings from Rte 9 to Chestnut Jct were being removed and adjacent areas were being restored. 5/12/08</p> <p>Sediment deposition was noted in a wetland in the segment of ROW that</p> | <p>Perform work in wetlands under the permitted guidelines. 5/12/08</p> <p>Final stabilization and reclamation efforts should occur in completed areas in and around wetlands. Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. 5/12/08</p> <p>See erosion control and access road sections. If further access is needed in this area, mats should be reinstalled. Continue to provide restoration. 5/12/08</p> <p>Evaluate sediment and remove by hand if needed. 4/7-5/12/08</p> | <p>NA</p> <p>Contractors are providing restoration in a linear fashion with many areas already restored.</p> <p>Restoration is underway.</p> <p>Wetland needs evaluation</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|---|---|--|
| <p>Oxbow Junction to Beseck SS Haddam Quarter Rd.</p> | <p>moves south to Oxbow Jct. 4/7-5/12/08</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. 4/29-5/12/08</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. 4/29-5/12/08</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. 5/12/08 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. 5/12/08</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. 4/21-5/12/08</p> | <p>Reclamation underway. Continue to monitor very carefully.</p> |
| <p>Powder Hill Rd.</p> | <p>Culverts have been removed except for the major crossing near the pond, and channels were restored along the ROW. Timber mats have also been removed from all crossings and all areas reclaimed. 5/12/08</p> | <p>Monitor the exposed areas and controls closely in this area until stabilization is complete. 5/12/08</p> | <p>Timber mats and culverts have been removed. Stream channels were restored. Continue to monitor.</p> |
| <p>East of Beseck SS</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. 5/12/08</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. 5/5-5/12/08</p> | <p>Area was evaluated and some minor, low-impact restoration will be provided.</p> |
| <p>Black Pond Junction to Beseck SS</p> | <p>The braided stream</p> | <p>Trees previously cleared</p> | <p>NA at this time.</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|--|--|---|---|
| <p>Fleming Rd. High Hill Rd. South to East Meriden Substation and north to Black Pond</p> | <p>channels at structure #24415 (near East Meriden Sub) had recently been well restored and remain in good shape and were flowing clear. 5/12/08</p> <p>Exposed soil previously present within wetlands north and south of High Hill Rd. and south of East Main St. and at Black Pond Jct. have been final graded/restored and hay and seed were applied.5/12/08</p> | <p>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. 5/12/08</p> <p>Monitor controls and soils until stabilized. See erosion controls section for more information. 5/12/08</p> | <p>This area has been final graded and hay/seed applied.</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. 5/12/08</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. 5/12/08</p> | <p>April 1st was the start of the wood turtles active season; Sweeps at this last pad should start prior to work each day. 5/12/08</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 5/12/08</p> | <p>NA at this time.</p> <p>Continue to monitor</p> <p><i>Amphibian egg masses noted at Johnson Ln. and E. Mount and chorusing spring peepers and wood frogs noted east of Beseck SS</i></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 Jct.</p> <p>ROW west of Scovill</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 repaired and remain in all previously exposed areas. Grass cover and revegetation noted in many areas. 5/12/08</p> <p>Restoration work is</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. 5/12/08</p> <p>Continue to restore areas</p> | <p>In all areas, be aware of limits of clearing and stick to the specifications of the D&M plan Grass growth is occurring in previously seeded areas.</p> <p>Restoration continues</p> |

| Areas of Inspection | Observation | Recommended Action | Corrected Action |
|---|---|--|--|
| Rock SS to Chestnut Junction | underway from Chestnut Jct. to Scovill SS. Timber mat removal, final grading and seeding continue in a linear fashion moving toward Scovill SS. 5/12/08 | in a linear fashion. Monitor exposed soils until stable and maintain controls prior to final grading as needed. 5/12/08 | moving toward Scovill SS. |
| Dewatering | Dewatering is complete at this time and basins have been removed. 5/12/08 | Continue to restore areas as needed. 5/12/08 | NA at this time. |
| Blasting | No blasting is proposed. 5/12/08 | None 5/12/08 | NA |
| Spills, soils and material storage All active areas | Spill controls move from site to site with the equipment. 5/12/08 | Always use spill control materials when working on equipment and during refueling. Park equipment 100 feet from wetlands when feasible 5/12/08 | NA |
| Oxbow Junction to Beseck SS Contractor Receiving Yard and Staging Area | Materials are being stored and structures staged in this area. Fuel tanks are not present. Soil stockpiles were being stored here. 5/12/08 | Continue to locate hazardous materials and equipment away from wetland inlets such as culverts and CBs. 5/12/08 | NA |
| Black Pond Junction to Beseck SS | All equipment has been removed and work in this area is complete. 5/12/08 | NA 5/12/08 | All equipment has been removed from this location. |
| Additional Observations | NA | NA | NA |

Next likely scheduled inspection:

Monday May 19, 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



Rte 9: Final grading and reclamation underway.



Shunpike Rd: Final grading and stabilization measures underway. Crews were removing the timber mats and resurfacing the access roads as needed.



Shunpike Rd.: Access road crossing was regraded and new controls were installed or repairs were made prior to working in the area.



Chestnut Jct: Final grading and stabilization are underway.



Contractor Yard: Hay and seed applied at the recently graded staging area.



East of BSS: Minor amounts of soil and stone remaining in wetlands will be removed by hand as the area dries out.



E. Meriden SS (west): Final grading was completed and seed and mulch have been applied at structure #24462. Contractor was installing a riprap channel to prevent future erosion problems near the pond.



Black Pond Jct: Final grading complete and hay and seed applied over exposed soils. Controls remain intact. Continue to monitor for final cover.