

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: February 20, 2007

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: Total of 0.89” rain between 2/13–2/20 with 0.88” of the total reported on 2/14 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways East of Scovill Rock	No sediment tracking was noted. 2/20/07	The work noted to the east of Scovill station may not be M/N project related. 2/20/07	Not Applicable (NA)
Oxbow Junction	No sediment tracking was noted. 2/20/07	Maintain and clean stone entrance as needed. 2/20/07	NA
Haddam Quarter Rd. To Foot Hills Rd.	The pond adjacent to the access road has some haybales in place but more may be added to prevent sedimentation as needed, especially as work resumes. 2/20/07	Continue to add controls where needed, i.e. mulch, check dams, silt fence, to control sediment and prevent erosion. Clean roadway as needed. 12/5/06-2/20/07	NA
Arbutus Street	The CB controls appear to be working properly. No sediment was noted in the wetlands at the outlet. 2/20/07	Monitor access entrance and maintain CB controls when needed. 2/20/07	NA
	An access road is in place west of Arbutus. The portion crossing the edge of a wetland is constructed out of timber mats. 2/20/07	Monitor controls and adjust as needed. 2/20/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>ROW, North of Beseck SS</p>	<p>Small section of access road installed off Johnson Ln., Swamp mats are stockpiled. 2/20/07</p> <p>Minor amounts of turbid water was noted leaving the Beseck SS stone exit. This is the entrance/exit used to access Seg 1A. 2/20/07</p>	<p>Pull back stone from roadway as needed. Monitor controls. 2/20/07</p> <p>Continue to work with BSS contractors and adjust controls as needed. 2/20/07</p>	<p>NA</p> <p>Coordination needed with BSS contractors.</p>
<p>ROW, East of Beseck SS</p>	<p>Access road is in place west to Beseck Mountain through several small streams and wetlands using timber mats, stone, and culverts. No turbid run-off was noted during this week's inspection. 2/20/07</p>	<p>Maintain/adjust controls as needed to filter water before it enters the adjacent pond and wetlands. Stone and culverts in streams are considered temporary and will be removed at the end of work. Avoid compacting over the stream crossing. 2/20/07</p>	<p>Add additional filtration if necessary and avoid compaction at stone crossings.</p>
<p>Black Walnut Dr.</p>	<p>Access road was being extended east across a small wetland and stream. A culvert was being installed and a slope was being graded to lessen the incline to the next staging area. 2/20/07</p>	<p>Ensure that water bars and or silt fence (or similar controls) are installed at the base of slope here as required by the D&M. 2/20/07</p>	<p>NA at this time (add controls with remainder of work)</p>
<p>Black Pond, Little Lane, Contractor Receiving Yard, Rt. 17, Powder Hill Rd.</p>	<p>Access roads and stone tracking pads are in place at the ROW entrance. Associated roadways were free of project related sediment at this time. 2/20/07</p>	<p>Sweep the roadways and refresh stone as needed. Clean existing controls in CBs as necessary. 2/20/07</p>	<p>NA</p>
<p>Little Lane</p>	<p>Access road connecting Little Ln. to Rte. 17 was in place. Access includes timber mats and a (temporary) culvert to cross a section of wetlands and small stream. Access road construction continues west of Little Ln. 2/20/07</p>	<p>Monitor activities and add controls, as needed. Culverts are temporary and are will be restored at the completion of work. 2/20/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Durham Rd.</p> <p>Powder Hill Rd.</p>	<p>Access road construction continues in this section through a meadow area. Timber mats are in place for accessing pads in wetlands. 2/20/07</p> <p>Access road is in place east and west of Powder Hill Rd as construction continues; Timber mats are in place. 2/20/07</p>	<p>Clean/sweep Durham Rd. as needed. See erosion control section 2/20/07</p> <p>Maintain and adjust controls as needed. 2/20/07</p>	<p>NA</p> <p>NA</p>
<p>Foundation and site construction</p> <p>East of Scovill Rock</p> <p>Haddam Quarter Rd. to Foot Hills Rd.; Arbutus Street</p> <p>Black Walnut Dr.</p> <p>Black Pond</p> <p>North of Beseck in ROW</p> <p>North of Contractor Yard Along Rte. 17 and Little Lane</p> <p>Durham Rd.</p> <p>Powder Hill Rd.</p>	<p>Clearing and access were noted to reach a small construction pad area to the east of Scovill station. 2/20/07</p> <p>Clearing, minor grading, staging areas, and access road construction occurring at this time. 2/20/07</p> <p>No new work except access road construction moving east. 2/20/07</p> <p>Monopole in place, included removal of some earth. 2/20/07</p> <p>Ongoing foundation drilling. Site clearing and pad construction continue. 2/20/07</p> <p>Foundations poured and drying during the inspection. 2/20/07</p> <p>No new work except access road construction. 2/20/07</p> <p>Pad construction and foundation drilling continue. 2/20/07</p>	<p>Activities may not be M/N project related. There were no issues noted here. 2/20/07</p> <p>None. 2/20/07</p> <p>None. 2/20/07</p> <p>Continue to monitor and add controls as needed. 2/20/07</p> <p>Continue to monitor and see erosion control and dewatering section for more details. 2/20/07</p> <p>Continue to monitor and see erosion control section. 2/20/07</p> <p>Monitor and adjust controls as needed. 2/20/07</p> <p>Monitor and adjust controls as needed. 2/20/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA.</p> <p>NA</p> <p>NA</p> <p>NA</p>
<p>Erosion and sediment controls</p>	<p>Haybales were in place along the access road entrance near the pond.</p>	<p>More controls, i.e. mulch, check dams, silt fence, haybales, etc., may be</p>	<p>Continue to evaluate when work continues.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Haddam Quarter Rd. To Foot Hills Rd.	<p>Erosion controls may still need to be extended to encompass more areas when work resumes here. 11/21/06-2/20/07</p> <p>No run-off was noted at this time but turbid run-off results after large storm events. 2/20/07</p>	<p>needed to prevent erosion along the access road slopes and prevent sediment tracking onto Haddam Quarter Rd. 11/21/06-2/20/07</p> <p>Resource areas are not affected but consider adding controls or grading the access road to contain run-off. 2/20/07</p>	<p>NA</p>
Arbutus Street	<p>Silt fence remains intact at work areas and along the access road, east and west of Arbutus 2/20/07</p>	<p>Monitor silt fence and wetlands for sediment. 2/20/07</p>	<p>NA</p>
Black Walnut Dr.	<p>Controls were not in place yet at the base of slope along the access road at the new wetland crossing. 2/20/07</p>	<p>Water bars and/or silt fence (or similar) should be installed as indicated in the D&M plan. Contractor stated that controls should be added this week. 2/20/07</p>	<p>Contractors stated controls would be added at the new wetland crossing this week. Install as soon as possible.</p>
Black Pond	<p>Earth removal for pole installation left areas of disturbed soil. 2/20/07</p>	<p>Monitor controls and continue to adjust as necessary. Attempt to temporarily stabilize soils. 2/20/07</p>	<p>NA at this time.</p>
ROW North of Beseck SS	<p>At the spot adjacent to the wetlands east of Beseck SS, the un-toed silt fence was removed and fiber rolls were installed downgradient of the timber mat pads. 2/20/07</p> <p>Drilling is occurring adjacent to the pond north of Beseck. Additional silt fence was installed but more controls may be necessary. A large containment area is in place upgradient of this drill site. 2/20/07</p> <p>A few fiber rolls have</p>	<p>Monitor controls closely within and adjacent to wetlands during drilling and as the ground thaws. Adjust and reinforce as necessary. 2/20/07</p> <p>Monitor controls and ensure that all dewatering slurry be adequately contained away from the wetlands. 2/20/07 Also See Dewatering Section.</p> <p>Repair/replace damaged</p>	<p>The un-toed silt fence was removed and fiber rolls were installed due to frozen ground.</p> <p>Additional controls were added but more may be necessary.</p> <p>Needs repair when</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Contractor Receiving Yard and Storage Area</p>	<p>been run over along the access drive. 2/12-2/20/07</p> <p>The silt fence and fiber rolls at the perimeter of the yard and along drainage areas/swales appear to be holding up following a period of thaw this week. No sediment was noted leaving the site. 2/20/07</p>	<p>fiber roll. 2/12-2/20/07</p> <p>Continue to add, maintain, and monitor controls as necessary. 2/20/07</p>	<p>feasible.</p> <p>NA at this time.</p>
<p>North of Contractor Yard Along Rte. 17 and Little Lane</p>	<p>Timber mats and a culvert are in place at the wetlands and stream crossing. Silt fence are in place along the mats and access pads where needed moving west along Little Ln. 2/20/07</p>	<p>Monitor and maintain controls, adjust as needed. 2/20/07</p>	<p>NA</p>
<p>Durham Rd.</p>	<p>Wetland crossings were in place in this section of ROW. 2/20/07</p>	<p>Erosion controls may be needed along the edges of the new access road if sedimentation is noted Monitor surrounding wetlands closely. 2/20/07</p>	<p>Needs to be monitored</p>
<p>Powder Hill Rd.</p>	<p>Silt fence and timber mats are in place along the access road. Haybales remain at low, saturated spots. Stone, culverts, and timber mats have been used to cross streams. Filter socks were installed for additional control downgradient of smaller stream crossings. 2/20/07</p> <p>Several of the pads east of the roadway are along a steep slope and controls may be needed to prevent erosion. Existing vegetation and root masses currently stabilize the slope but thaws will weaken soil structure. 2/20/07</p>	<p>Controls should be monitored closely and maintained regularly. Adjust controls as necessary to prevent sediment from leaving the site or entering the pond. Stream crossings/culverts are temporary and will be removed at the end of the work. 2/20/07</p> <p>Watch for changes in run-off patterns that may affect neighboring properties. Temporary stabilization and controls may be needed around construction areas located on this slope. 1/23/07-2/20/07</p>	<p>Needs to be monitored.</p> <p>Needs to be monitored.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Haddam Quarter Rd. To Foot Hills Rd.</p> <p>Contractor Storage Yard</p> <p>ROW North of Beseck SS</p> <p>ROW North of Beseck SS Arbutus Rd.; Little Lane; Durham Rd.; Powder Hill Rd. Black Walnut Dr.</p> <p>Powder Hill Rd.</p>	<p>ACOE permit is in hand. 1/22/07</p> <p>Sedimentation issues were not noted but additional controls may be needed to protect offsite and isolated wetlands when work resumes. 2/20/07</p> <p>Previous sedimentation has been noted within the wetlands and pond but ice and snow cover make observation difficult. The controls appear to be filtering turbid water flowing from the site. 2/20/07</p> <p>Timber mat staging areas are in and adjacent to wetlands. Drilling was underway during the inspection. 2/20/07</p> <p>A number of wetland crossing (via timber mats) were noted. 2/20/07 Access at Durham Rd reached a deeper area in the wetland that is difficult to cross.</p> <p>Several smaller streams also remain culverted. Water flowing off site was clear at this time. 2/20/07</p>	<p>Perform work in wetlands under the permitted guidelines. 2/20/07</p> <p>Caution should be taken not to fuel or store equipment near any wetlands. 2/20/07</p> <p>Continue to monitor. Adjust controls as needed around the site. 2/20/07</p> <p>Monitor drilling closely and adequately contain all slurry. 2/20/07</p> <p>Monitor closely for sedimentation and add controls as needed. All crossings are temporary and will require restoration at the end of the work. 2/20/07</p> <p>Continue to monitor and add controls as needed. All crossings are temporary and will require restoration at the end of the work 2/20/07</p>	<p>NA</p> <p>NA</p> <p>Controls appear to be filter all water leaving the site.</p> <p>Drilling will need close attention.</p> <p>NA</p> <p>Wetlands crossings were constructed appropriately.</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&M plan, state-listed species are not located in the current work areas. 2/20/07</p> <p>Potential habitat for wood turtles exists at Ball Brook in this section. Contractors were</p>	<p>None. 2/20/07</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for</p>	<p>NA</p> <p>Alternative access was being constructed to reach poles without crossing Ball Brook.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	avoiding crossing this area but developing an access road in from Black Walnut Dr. 2/20/07	mitigation until spring. 2/20/07	
<p>Vegetative clearing or stabilization</p> <p>ROW, North of Beseck SS</p> <p>Powder Hill Rd.; Little Lane; Durham Rd; Black Walnut</p>	<p>Now that ACOE permits have been obtained, clearing continues in several sections 2/20/07</p> <p>Additional clearing was noted north of Beseck along the western edge of the ROW near the new staging area. Trees are cut, stacked, mulched or chipped and trucked off site. 2/20/07</p> <p>Clearing continues for access road; pad construction is largely complete here. Many pad sites are along slopes and may have issues with erosion when the ground taws fully. 2/20/07</p>	<p>In all areas, be aware of limits of clearing and stick to the specifications of the D&M plan. 2/20/07</p> <p>Continue to monitor cleared areas for erosion and stabilize as needed. Retain vegetation when ever possible.</p> <p>Retain species approved by the D&M plan wherever feasible. Temporarily stabilize exposed soil as necessary, especially in slopes areas such as Beseck Mtn. 2/20/07</p>	<p>NA.</p> <p>NA</p> <p>Needs to be monitored.</p>
<p>Dewatering</p> <p>North of PAR Receiving Yard Along Rte. 17</p> <p>ROW North of Beseck SS</p>	<p>It appears dewatering was not needed during last weeks drilling. 2/20/07</p> <p>Drilling is occurring near wetland resource areas. Dewatering appears to have been occurring. A large, bermed containment basin is in place. A filter bag is located in the basin and the berm is surrounded by haybales. 2/20/07</p>	<p>Monitor controls and adjust as needed. 2/20/07</p> <p>Adjust controls as necessary o ensure that slurry from dewatering and foundation installation remains contained 2/20/07</p>	<p>NA at this time.</p> <p>A filter bag was installed in the basin for additional control.</p>
<p>Blasting</p>	<p>No blasting is proposed. 2/20/07</p>	<p>None 2/20/07</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>Black Walnut Dr.</p>	<p>Spill controls move from site to site with the equipment. 2/20/07</p> <p>Some materials (structure</p>	<p>Always use spill control materials when working on equipment and during refueling 2/20/07</p> <p>Continue to store</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Contractor Receiving Yard and Staging Area</p>	<p>components, equipment, etc.) are being stored here, well away from any wetland resource areas.</p> <p>Materials are being stored and structures staged in this area. Fuel tanks are in place on their stone spill control pad. Fire extinguishers and spill kits are located near the fuel tanks. 2/20/07</p> <p>All fuel nozzles on site were controlled. 2/20/07</p> <p>The forklift was repaired this week and it was not observed to be leaking. 2/20/07</p> <p>Several drip stains were still noted on the stone pad at the refueling tanks. 1/22/07-2/20/07</p>	<p>materials away from resource areas.</p> <p>Always use spill control materials when working on equipment and during refueling. Continue to locate hazardous materials and equipment away from wetlands inlets such as culverts and CBs. when possible 2/20/07</p> <p>Make sure all fuel nozzles are being properly stored after every use. 2/20/07</p> <p>If necessary, pick up any larger areas of soil where old drip stains are noted. 2/20/07</p> <p>Spill controls should always be used when equipment is leaking during refueling and equipment maintenance. 1/22-2/20/07</p>	<p>A stone pad is in place for spill control</p> <p>Nozzles were controlled</p> <p>The forklift was repaired and a leak was no longer noted.</p> <p>Contractors are looking into solutions here.</p>
<p>Powder Hill Rd.</p>	<p>A piece of equipment on the ROW was leaking, 2/5-2/20/07. No controls were in place to contain drips (non-reportable size). 2/20/07</p>	<p>Add more controls under the equipment to contain the leak and repair soon as possible. Remove affected soil as feasible. Keep this machine out of sensitive areas. 2/5-2/20/07</p>	<p>Needs immediate attention.</p>
<p>All active areas.</p>	<p>Drilling and foundation work has resumed and concrete washout containment will be necessary. Drilling north and east of Beseck SS will be adjacent to resource areas. 2/20/07</p>	<p>Provide appropriate containment for washouts. Be especially careful of concrete containment near wetlands. 2/20/07</p>	<p>NA at this time.</p>
<p>Additional Observations</p>	<p>Non-project related debris (cups, pizza boxes, etc.) was noted off Arbutus Street. 2/20/07</p>	<p>Monitor and clean debris when in the area. 2/20/07</p>	<p>Non-project related debris noted.</p>

**Next likely scheduled
inspection:**

Tuesday February 27, 2007

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:

Matthew Creighton, BSC Group

Reviewer:

Diana Walden, BSC Group



Foundations installed last week along ROW between Little Lane and Route 17.



Close-up view of culvert installation off Black Walnut Dr. Ensure water bars and/or silt fence are installed along the access road base of slope to protect wetlands.



Additional view of access road and culvert installation off Black Walnut Dr.



Silt fence, fiber rolls, and hay mulch are in place as a buffer for wetlands around the perimeter of the contractor receiving yard. Replace the section of filter sock that was run over.



The leaking forklift in the contractor receiving yard has been repaired.



The fuel storage tanks remain in place on the stone spill pad and nozzles are contained. Small drip stains are noted and are contained to the stone.



New access road construction off Durham Rd.



View of mono-pole and controls at Black Pond. Controls are intact and look good.



The same piece of leaking equipment was noted off Powder Hill Rd from last inspection. The spill pads were removed but adequate containment was needed. Repair the equipment as soon as possible.



Filter bag and containment basins are in place for dewatering foundation work. Controls are in good shape.



Foundation drilling along the ROW north of the Beseck SS. Controls were in place to prevent sediment from entering the wetlands but any dewatering should be monitored carefully here.



Foundation drilling west of Powder Hill Rd. No active dewatering was noted during the inspection. Controls were in place downgradient. Ensure soils remain contained or temporarily stabilized along these slopes during thaw and snow melt.