

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: January 8, 2007

Inspector: Matthew Creighton

Location: Segment 1a – Scovill Rock Switching Station to Chestnut Junction, Oxbow Junction to Beseck Switching Station (excluding Royal Oak Bypass), Black Pond Junction to Beseck Switching Station

Rainfall: Total of 1.60” rain between 1/3–1/8/07 with 1.12” recorded on 1/8/07 (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways			
Oxbow Junction	No sediment tracking was noted. 1/8/07	Maintain and clean stone entrance as needed. 1/8/07	Not Applicable (NA)
Haddam Quarter Rd. To Foot Hills Rd.	The pond adjacent to the access road has some haybales in place but more should be added to prevent sedimentation as needed, especially as work resumes. 1/8/07	Continue to add controls where needed, i.e. mulch, check dams, silt fence, to control sediment and prevent erosion. Clean roadway as needed. 12/5/06-1/8/07	NA
	Turbid stormwater run-off was observed ponding and flowing off-site from the access road. The run-off was not affecting any resource areas at this time. 1/8/07	When feasible, add strategically placed controls in this area to filter stormwater before it leaves the site and/or re-grade or berm the access road. 1/8/07	Needs attention when feasible.
Arbutus Street	Slightly turbid run-off was flowing from the ROW entrance to a nearby CB. The CB controls were filtering the water effectively. No sediment was noted in the wetlands at the outlet. 1/8/07	Monitor access entrance and maintain CB controls when needed. Run-off was observed during a heavy rain event. 1/8/07	CB controls were in place and filtering run-off.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways (continued)	Small section of new access road installed off Johnson Ln., Swamp mats are stockpiled. 1/8/07	Pull back stone from roadway as needed. Monitor controls. 1/8/07	NA
Black Walnut Dr.	Access road and tracking pad are in place. Road was free of sediment. Catch basin (CB) inlet protections appears clogged with leaf litter restricting water flow. 1/8/07	Sweep the roadway and refresh stone as needed. Clean existing controls in CBs as necessary. Add drop inlet protection as needed. 1/8/07	Needs maintenance when feasible.
Black Pond	Stone pad is in place, Route 66 was free of sediment. 1/8/07	Monitor and maintain controls as needed. See erosion control section for more detail. 1/8/07	NA
ROW, North of Beseck SS	Truck traffic is using the new ROW access connected to the existing Beseck stone entrance. 1/8/07	Monitor and clean/sweep Carpenter Lane as needed. Beseck and 1A contractors should cooperate to maintain Carpenter Lane. 1/8/07	NA
	Carpenter Lane contains sediment accumulation along the gutter; clean water was leaving the entrance pad. 1/8/07	Gutters should be swept by hand when feasible to remove sediment. Improvements should be made to retain all sediment on site. 1/8/07	Needs attention.
Contractor Receiving Yard and Storage Area And North of Contractor Yard Along Rte. 17	No sediment tracking on Rte 17. The stone pad at the site entrance is in good shape. 1/8/07	Maintain tracking pad and sweep roadway if needed. 1/8/07	NA
Little Lane	Tracking pads was in place; No sediment tracking noted on the roadway. 1/8/07	Continue to sweep roadway as needed and monitor for any sediment. 1/8/07	NA
Powder Hill Rd.	Stone access road and pad construction east of Powder Hill Rd. has begun; Timber mats and silt fence have been installed. Powder Hill Rd. was free of sediment. 1/8/07	Maintain controls and sweep Powder Hill Rd. as needed. 1/8/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Timber mats and silt fence are in place along the existing access road. Haybales have been added at the low, saturated areas between the mats and silt fence. Water flowing off site was free of sediment. 1/8/07</p>	<p>These activities were defined as maintenance to the existing access road. However, access road work is complete until ACOE permits are obtained. 1/8/07</p>	<p>Haybales were added for additional control. (proactively).</p>
<p>Foundation and site construction</p> <p>Haddam Quarter Rd. to Foot Hills Rd.</p> <p>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</p> <p>Little Lane</p> <p>Powder Hill Rd.</p>	<p>Only clearing is occurring at this time. 1/8/07</p> <p>Only clearing is occurring at this time 1/8/07</p> <p>A number of foundations are in place. 1/8/07</p> <p>Improvements were made to the slurry containment areas. No new work noted. 1/8/07</p> <p>Foundation drilling complete is complete in the area. No new work noted. 1/8/07</p> <p>No new work has occurred in this area for several weeks. 1/8/07</p> <p>Four temporary poles are in place. 1/8/07</p> <p>Only clearing and road construction are occurring. 1/8/07</p>	<p>None. 1/8/07</p> <p>None. 1/8/07</p> <p>Concrete washout area was established and used. 1/8/07</p> <p>Monitor and add erosion controls as needed; see erosion controls section. 1/8/07</p> <p>Monitor and maintain controls and concrete washout areas 1/8/07</p> <p>Monitor controls. See dewatering section for more details 1/8/07</p> <p>None 1/8/07</p> <p>None. 1/8/07</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>Haddam Quarter Rd. To Foot Hills Rd.</p>	<p>Haybales were in place along the access road entrance near the pond. Erosion controls may still need to be extended to encompass more areas, especially when work resumes here. 11/21/06-</p>	<p>More controls, i.e. mulch, check dams, silt fence, haybales, etc., may be needed to prevent erosion along the access road slopes and prevent sediment tracking onto Haddam Quarter Rd.</p>	<p>Continue to evaluate.</p>

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Erosion and sediment controls (continued)	<p>1/8/07</p> <p>Silt fence at the end of the access road looked secure. Run-off was flowing through this area. 1/8/07</p>	<p>11/21/06-1/8/07</p> <p>Monitor silt fence and wetlands for sediment. 1/8/07</p>	<p>NA</p>
	<p>Some turbid run-off was ponding on the access road and flowing off-site. It was not affecting resource areas. 1/8/07</p>	<p>Install controls to filter stormwater before leaving the site and/or regrade/ berm access road in this area when feasible. 1/8/07</p>	<p>Needs attention when feasible.</p>
Arbutus Street	<p>Silt fence remains in place around work areas. 1/8/07</p>	<p>Monitor controls and increase if needed. 1/8/07</p>	<p>NA</p>
Black Walnut Dr.	<p>Accumulated sediment is putting stress on a section of silt fence. 11/21/06-1/8/07 Stormwater was noted flowing over the fence during the rain. 1/8/07</p>	<p>Remove sediment and maintain silt fence as needed. 11/21/06-1/8/07 Run-off was not reaching resource areas but maintain area when feasible. 1/8/07</p>	<p>Needs attention when feasible.</p>
Black Pond	<p>Dewatering slurry is spread around the site to reduce stress on the controls. Mulch is in place around the site for additional, temporary stabilization of exposed surfaces. 1/8/07</p> <p>Sediment has been removed from the wetlands and clean water was observed filtering through the controls. 1/8/07</p>	<p>Monitor controls. Continue to remove and spread slurry, and provide adequate containment, especially adjacent to sensitive areas such as wetlands 1/8/07</p> <p>Continue to monitor and improve controls as needed. 1/8/07</p>	<p>Controls are being maintained.</p> <p>Sediment has been removed; water was flowing clear.</p>
ROW North of Beseck SS	<p>Controls above the wetlands on the road are in good condition. No dewatering has been required. 1/9/07</p>	<p>Continue to monitor controls. 1/9/07</p>	<p>NA</p>
Contractor Receiving Yard and Storage Area	<p>With heavy rains, turbid stormwater was noted flowing into and out of an</p>	<p>Extend silt fence or controls around all drainage areas; install</p>	<p>BSC walked the site with the contractor and several corrections are</p>

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<p>North of Contractor Yard Along Rte. 17</p> <p>Little Lane</p> <p>Powder Hill Rd.</p>	<p>existing culvert adjacent to the site entrance, as well as under/through some spots in the perimeter silt fence. A drainage ditch onsite was noted carrying turbid water off site. Wetlands are adjacent and showed signs of sedimentation. 1/8/07</p>	<p>controls, if appropriate, all culverts/inlets, add controls upgradient of wetlands on the west side of the site. Maintain silt fence wherever necessary 1/8/07</p>	<p>scheduled to be made this week. Corrective actions will be reflected in the next report.</p>
	<p>Soil should be stockpiled away from wetlands and catch basins. 1/8/07</p>	<p>Stabilize stockpiles if they will be left for 14 days or more. 1/8/07</p>	<p>NA</p>
	<p>Turbid stormwater was flowing through the swale past the foundation and adjacent exposed soil but was contained within the ponding area created for dewatering. 1/8/07</p>	<p>Continue to stabilize exposed areas; mulch should be added here. See dewatering section. 1/8/07</p>	<p>Needs attention when feasible</p>
	<p>Roots, remaining vegetation, mulch, and level topography continue to protect the wetland in this area. 1/8/07</p>	<p>Monitor the area for sedimentation and add controls if needed. Controls do not appear to be necessary at this time. 1/8/07</p>	<p>NA</p>
<p>Powder Hill Rd.</p>	<p>Silt fence and timber mats are in place along the existing access road. Clear water was flowing through the wetland to the pond. Haybales are now in place at low, saturated spots for additional controls. 1/8/07</p>	<p>Controls should be monitored closely and maintained regularly. 1/8/07</p>	<p>Haybales were added for extra control. (proactively)</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Jurisdictional wetland areas will not be accessed until the ACOE permit is in hand. 1/8/07</p>	<p>Continue to monitor wetlands and erosion controls. 1/8/07</p>	<p>NA</p>
<p>Haddam Quarter Rd. To Foot Hills Rd.</p>	<p>Sedimentation issues were not noted but additional controls may be needed to protect offsite and isolated wetlands when work resumes. 1/8/07</p>	<p>Caution should be taken not to fuel or store equipment near any wetlands. 1/8/07</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Contractor Storage Yard</p> <p>Powder Hill Rd.</p>	<p>With heavy rains, suspended sediment has increased in the pond west of the site. Turbid stormwater was noted flowing under/through silt fence and entering existing drains on site as well as in the wetlands and stream off-site. 1/8/07</p> <p>Timber mats are in place along an existing access road through a small section of wetlands. Water flowing off site was free of sediment 1/8/07</p>	<p>Contractor walked the site with BSC and intends to install additional silt fence, hay bales, and mulch. Closely monitor during heavy rain events. See erosion controls section for more details. 1/8/07</p> <p>These activities were defined as maintenance. However, the remainder of the access road work will not be addressed until ACOE permits are obtained. 1/8/07</p>	<p>Needs attention. Contractor has a plan to implement this week. Corrective actions will be reflected in the following report.</p> <p>NA.</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. 1/8/07</p> <p>Potential habitat for wood turtles exists at Ball Brook in this section. 1/8/07</p>	<p>None. 1/8/07</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until spring. 1/8/07</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p> <p>ROW, North of Beseck SS and Little Lane</p> <p>Powder Hill Rd.</p>	<p>Vegetative clearing is complete at Oxbow Junction, Haddam Quarter Rd, Arbutus St, and Black Pond until ACOE permits are obtained. 1/8/07</p> <p>Most vegetation was cleared from this site, likely because of invasive species. 1/8/07</p> <p>Minor clearing for access road construction has begun east of roadway. 1/8/07</p>	<p>None. 1/8/07</p> <p>Continue to monitor cleared areas for erosion and stabilize as needed. Retain vegetation when ever possible. 1/8/07</p> <p>None 1/8/07</p>	<p>Area is stable.</p> <p>NA</p> <p>NA</p>

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<p>Dewatering</p> <p>Black Walnut Dr</p> <p>North of PAR Receiving Yard Along Rte. 17</p> <p>Black Pond</p>	<p>Dewatering was not necessary during recent foundation drillings; mud was drying. 1/8/07</p> <p>Slurry has been spread and is dry. Turbid stormwater remains contained in the controls 1/8/07</p> <p>Dewatering controls in use at Black Pond include filter-socks, rows of silt fence, haybales, and mulch. The accumulation of slurry is now spread thinly around the site in some areas. Clean water was noted leaving the silt fence above the wetlands. 1/8/07</p>	<p>Monitor area for run-off and consider using silt fence to contain the area, if needed. 11/7/06-1/8/07</p> <p>Mud should be removed or used onsite and exposed soils stabilized as soon as possible. 1/8/07</p> <p>Monitor controls; and continue to stabilize exposed surfaces, including the spread slurry, as needed. 1/8/07</p>	<p>NA</p> <p>NA</p> <p>NA</p>
<p>Blasting</p>	<p>No blasting is proposed. 1/8/07</p>	<p>None 1/8/07</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>Black Walnut Dr.</p> <p>Contractor Receiving Yard and Staging Area</p>	<p>Spill controls move from site to site with the equipment. 1/8/07</p> <p>Concrete washout area is in place with fencing to protect the area. 1/8/07</p> <p>Some materials (structure 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 and roll-off dumpster are both greater than 100 feet from wetlands. 1/8/07</p> <p>Both refueling tank nozzles were placed in a 5-gallon bucket with spill controls. 1/8/07</p>	<p>Always use spill control materials when working on equipment and during refueling 1/8/07</p> <p>Maintain washout area with safety precautions. 1/8/07</p> <p>Continue to store 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 when possible. 1/8/07</p> <p>Make sure all fuel nozzles are being properly stored after every use. 1/8/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>Both nozzles now have controls.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Black Pond and ROW, North of Beseck SS</p>	<p>controls. 1/8/07</p> <p>One truck containing a refueling container was located onsite. The nozzle was in a 5-gallon bucket with spill pad. 1/8/07</p> <p>A small drip stain was noted on the ground located adjacent to the gate and truck parking area. A slight sheen was noted in the stormwater flowing from this spot to a culvert during the heavy rains. 1/8/07</p> <p>Concrete washout areas have been set up along the ROW as needed and old washouts are being cleaned and removed as work continues along the ROW. 1/8/07</p>	<p>Monitor for spills/ leaks and keep fueling trucks away from wetlands and drainage areas. 1/8/07</p> <p>Relocate all machinery away from wetland resource areas and inlets such as culverts and CBs. Monitor and maintain equipment. 1/8/07</p> <p>Continue to use and maintain the designated washout areas. 1/8/07</p>	<p>Nozzle was contained.</p> <p>BSC walked the site with the contractor and discussed alternatives for equipment storage.</p> <p>NA</p>
<p>Additional Observations</p>	<p>NA</p>	<p>NA</p>	<p>NA</p>

Next likely scheduled inspection: Tuesday January 16, 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

Reviewer: Diana Walden, Stephen Herzog



Riprap sediment trap and silt fence along the access road off Black Walnut Drive. Some run-off was pooling over the fence at the time of inspection. The accumulated sediment should be removed and the silt fence repaired, but this does not affect resource areas.



Slightly turbid run-off from the access road off Arbutus St was being filtered by controls in the CB. Pull back construction entrance stone from the roadway and maintain CB protection as needed.



Access road off Haddam Quarter Rd. Turbid run-off from the access road was flowing off-site but was not reaching resource areas. Berm up the road or install strategically placed controls when feasible.



Turbid water was observed flowing under the silt fence above the pond at the contractor receiving yard.



A small sheen, likely from an old equipment drip stain was flowing within the stormwater towards a culvert.



Turbidity was observed in the pond adjacent to the contractor receiving yard. During the rain event, turbid water was observed flowing under/through controls and into pre-existing drains.



Foundations installed within the ROW north of Beseck SS. Controls are in place. Some grass cover noted.



Silt fence/filter-sock barrier along the access road adjacent to Black Pond used for dewatering slurry and controlling run-off. Run-off was filtering through the fence and appeared free of sediment on the other side.



Overview of the haybales, silt fence, and filter socks at Black Pond. Mulch is in place around the site for increased stabilization.



Some turbid run-off was noted in the swale adjacent to the foundation in the ROW north of the contractor yard along Rte 17. The stormwater flows to the slurry holding areas where it remains contained.



View of a low, saturated spot at the timber mats crossing in the wetlands located off Powder Hill Rd. Haybales were added for increased protection. Continue to monitor.



New access road and pad construction east of Powder Hill Rd.