

**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 15, 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 0.47” rain between 1/9–1/15/07 with 0.23” recorded on 1/15/07 (NOAA data at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b>			
<b>Oxbow Junction</b>	<b>No sediment tracking was noted. 1/15/07</b>	<b>Maintain and clean stone entrance as needed. 1/15/07</b>	<b>Not Applicable (NA)</b>
<b>Haddam Quarter Rd. To Foot Hills Rd.</b>	<b>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. 1/15/07</b>	<b>Continue to add controls where needed, i.e. mulch, check dams, silt fence, to control sediment and prevent erosion. Clean roadway as needed. 12/5/06-1/15/07</b>	<b>NA</b>
	<b>After larger storm events, turbid run-off ponds and flows off-site from the access road. Clear run-off was noted this week 1/15/07</b>	<b>Although run-off was not reaching resource areas, consider extending controls or re-grade or berm the access road. 1/8/07</b>	<b>Needs evaluation when feasible.</b>
<b>Arbutus Street</b>	<b>No run-off was noted this week. The CB controls appear to be working properly. No sediment was noted in the wetlands at the outlet. 1/15/07</b>	<b>Monitor access entrance and maintain CB controls when needed. Run-off ss observed after larger storm events. 1/15/07</b>	<b>NA</b>
	<b>Small section of new access road is in place off Johnson Ln., Swamp</b>	<b>Pull back stone from roadway as needed. Monitor controls. 1/15/07</b>	<b>NA</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Black Walnut Dr.</b>	<p><b>mats are stockpiled.</b> 1/15/07</p> <p><b>Access road and tracking pad are in place. Road was free of sediment.</b> 1/15/07</p>	<p><b>Sweep the roadway and refresh stone as needed. Clean existing controls in CBs as necessary.</b> 1/15/07</p>	<p>NA.</p>
<b>Black Pond</b>	<p><b>Stone pad is in place, Route 66 was free of sediment. Silt fence was extended at access entrance.</b> 1/15/07</p>	<p><b>Monitor and maintain controls as needed. See erosion control section for more detail.</b> 1/15/07</p>	<p>NA</p>
<b>ROW, North of Beseck SS</b>	<p><b>Truck traffic is using the ROW access connected to the existing Beseck stone entrance.</b> 1/15/07</p> <p><b>Carpenter Lane and gutters were cleaned/ swept; a number of improvements were made to the stone exit pad. New haybales installed at corners of the site exit.</b> 1/15/07</p>	<p><b>Monitor and clean/sweep Carpenter Lane as needed. Beseck and 1A contractors should cooperate to maintain Carpenter Lane.</b> 1/15/07</p> <p><b>Continue to maintain/adjust controls as needed to retain sediment on site.</b> 1/15/07</p>	<p><b>New haybales installed, roadway was swept.</b></p> <p><b>Improvements have been made to the site. Roadway was swept.</b></p>
<b>Contractor Receiving Yard and Storage Area And North of Contractor Yard Along Rte. 17</b>	<p><b>No sediment tracking on Rte 17. The stone pad at the site entrance is in good shape.</b> 1/15/07</p>	<p><b>Maintain tracking pad and sweep roadway if needed.</b> 1/15/07</p>	<p>NA</p>
<b>Little Lane</b>	<p><b>Silt fence and fiber rolls have been installed along the access drive to prevent run-off.</b> 1/15/07</p> <p><b>Tracking pads was in place; No sediment tracking noted on the roadway.</b> 1/15/07</p>	<p><b>Monitor and maintain new controls. See Erosion Control section.</b> 1/15/07</p> <p><b>Continue to sweep roadway as needed and monitor for any sediment.</b> 1/15/07</p>	<p><b>New controls added.</b></p> <p>NA</p>
<b>Powder Hill Rd.</b>	<p><b>Stone access road and pad construction continues east and west of Powder Hill Rd; Timber mats and silt fence have been installed. Powder Hill Rd. was free</b></p>	<p><b>Maintain controls and sweep Powder Hill Rd. as needed.</b> 1/15/07</p>	<p>NA</p>

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	<p><b>of sediment. 1/15/07</b></p> <p><b>Timber mats and silt fence are in place along the existing access road. Haybales are in place at the low, saturated areas between the mats and silt fence. Water flowing off site was free of sediment. 1/15/07</b></p>	<p><b>These activities were defined as maintenance to the existing access road. Maintain/adjust controls at this low section prior to continuing work in this area. 1/15/07</b></p>	<p><b>Haybales were added for additional control (proactively).</b></p>
<p><b>Foundation and site construction</b></p> <p><b>Haddam Quarter Rd. to Foot Hills Rd.; Arbutus Street</b></p> <p><b>Black Walnut Dr.</b></p> <p><b>Black Pond</b></p> <p><b>North of Beseck in ROW</b></p> <p><b>North of Contractor Yard Along Rte. 17</b></p> <p><b>Little Lane</b></p> <p><b>Powder Hill Rd.</b></p>	<p><b>Only clearing is occurring at this time. 1/15/07</b></p> <p><b>A number of foundations are in place. 1/15/07</b></p> <p><b>No new work noted. 1/15/07</b></p> <p><b>Foundation drilling is almost complete in the area. No new work noted. 1/15/07</b></p> <p><b>No new work has occurred in this area for several weeks. 1/15/07</b></p> <p><b>Four temporary poles are in place. 1/15/07</b></p> <p><b>A new pad was cleared and prepared for pole construction, a second one is proposed. 1/15/07</b></p>	<p><b>None. 1/15/07</b></p> <p><b>None. 1/15/07</b></p> <p><b>Maintain and add erosion controls as needed. 1/15/07</b></p> <p><b>Monitor and maintain controls and concrete washout areas 1/15/07</b></p> <p><b>Monitor controls. See dewatering section for more details 1/15/07</b></p> <p><b>None 1/15/07</b></p> <p><b>See erosion control section. 1/15/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p> <p><b>NA</b></p>
<p><b>Erosion and sediment controls</b></p> <p><b>Haddam Quarter Rd. To Foot Hills Rd.</b></p>	<p><b>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. 11/21/06-1/15/07</b></p> <p><b>Clear run-off was noted</b></p>	<p><b>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. 11/21/06-1/15/07</b></p> <p><b>Resource areas are not</b></p>	<p><b>Continue to evaluate.</b></p> <p><b>Needs evaluation when</b></p>

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Arbutus Street	<p>at this time but turbid run-off results after large storm events. 1/15/07</p> <p>Silt fence remains in place around work areas. 1/15/07</p>	<p>affected but consider adding controls or grading the access road to contain run-off. 1/15/07</p> <p>Monitor controls and increase if needed. 1/15/07</p>	<p>feasible</p> <p>NA</p>
Black Walnut Dr.	<p>Accumulated sediment has been removed from the riprap trap and the fallen section of silt fence has been repaired. 1/15/07</p>	<p>Continue to maintain controls. 1/15/07</p>	<p>Sediment was removed, silt fence was repaired.</p>
Black Pond	<p>Mulch is in place around the site for additional, temporary stabilization of exposed surfaces. Clean water was observed filtering through the controls. 1/15/07</p> <p>Silt fence has been extended along the access drive for further control. 1/15/07</p>	<p>Monitor controls. Continue to provide adequate containment for future dewatering, especially adjacent to sensitive areas such as wetlands 1/15/07</p> <p>Continue to monitor and adjust controls as needed. 1/15/07</p>	<p>Controls are being maintained.</p> <p>Silt fence was extended (proactively)</p>
ROW North of Beseck SS	<p>Controls above the wetlands on the road are in good condition. No dewatering has been required. 1/15/07</p>	<p>Continue to monitor and improve controls as needed. 1/15/07</p>	<p>Silt fence added for additional protection (proactive).</p>
Contractor Receiving Yard and Storage Area	<p>Silt fence and fiber rolls have been added around the perimeter of the yard to reinforce existing controls where issues were noted last week. Controls were also added along drainage areas/swales as needed. 1/15/07</p> <p>Exposed, inactive soil surfaces were also temporarily stabilized with hay. 1/15/07</p>	<p>Continue to add, maintain, and monitor controls as necessary. 1/15/07</p> <p>Continue to stabilize areas that will remain inactive. 1/15/07</p>	<p>Silt fence and fiber rolls were added around the site to filter/contain run-off.</p> <p>Mulch was added to some areas around site.</p>
North of Contractor Yard Along Rte. 17	<p>Run-off was noted through the swale past the foundation but was contained within the</p>	<p>Continue to stabilize exposed areas. See dewatering section. 1/15/07</p>	<p>NA</p>

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<p><b>Little Lane</b></p> <p><b>Powder Hill Rd.</b></p>	<p><b>contained within the ponding area created for dewatering. 1/15/07</b></p> <p><b>Roots, remaining vegetation, mulch, and level topography continue to protect the wetland in this area. 1/15/07</b></p> <p><b>Silt fence and timber mats are in place along the existing access road west of the roadway. Haybales are now in place at low, saturated spots for additional control. Clear water was flowing through. 1/15/07</b></p> <p><b>Silt fence was installed at the base of the construction pad. A small cleared area east of the roadway may need controls along a steep slope to prevent erosion. Existing vegetation and root masses currently stabilize the slope. 1/15/07</b></p>	<p><b>1/15/07</b></p> <p><b>Monitor the area for sedimentation and add controls if needed. Controls do not appear to be necessary at this time. 1/15/07</b></p> <p><b>Controls should be monitored closely and maintained regularly especially as the crossing becomes active. 1/15/07</b></p> <p><b>Monitor and add controls if needed along the slope. Watch for changes in run-off patterns that may affect neighboring properties. Controls should be added prior to the construction of the 2<sup>nd</sup> staging area located on this slope. 1/15/07</b></p>	<p><b>Haybales were added for extra control. (proactively)</b></p> <p><b>NA.</b></p> <p><b>Needs evaluation.</b></p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p> <p><b>Haddam Quarter Rd. To Foot Hills Rd.</b></p> <p><b>Contractor Storage Yard</b></p>	<p><b>ACOE permit is in hand. 1/15/07</b></p> <p><b>Sedimentation issues were not noted but additional controls may be needed to protect offsite and isolated wetlands when work resumes. 1/15/07</b></p> <p><b>Controls have been added to protect off-site wetlands. Sediment is starting to settle out of the water column at the adjacent pond. Sedimentation was also noted within the</b></p>	<p><b>Continue to monitor wetlands and erosion controls. 1/15/07</b></p> <p><b>Caution should be taken not to fuel or store equipment near any wetlands. 1/15/07</b></p> <p><b>See erosion controls section for more details. 1/15/07</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>Controls have been added to protect wetlands.</b></p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Powder Hill Rd.	<p>noted within the wetlands 1/15/07</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 1/15/07</p>	Continue to monitor and add controls as needed. 1/15/07	NA
State species of concern, threatened and endangered species.	<p>According to the D&amp;M plan, state-listed species are not located in the current work areas. 1/15/07</p> <p>Potential habitat for wood turtles exists at Ball Brook in this section. 1/15/07</p>	<p>None. 1/15/07</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until spring 1/15/07</p>	<p>NA</p> <p>NA</p>
Vegetative clearing or stabilization	<p>Vegetative clearing has stopped at Oxbow Junction, Haddam Quarter Rd, Arbutus St, and Black Pond. Now that ACOE permits have been obtained clearing may resume in these areas. 1/15/07</p> <p>Most vegetation was cleared from this site, likely because of invasive species. 1/15/07</p> <p>Minor clearing for access road construction continues east of roadway. 1/15/07</p>	<p>None. 1/15/07</p> <p>Continue to monitor cleared areas for erosion and stabilize as needed. Retain vegetation when ever possible. 1/15/07</p> <p>None 1/15/07</p>	<p>Area is stable.</p> <p>NA</p> <p>NA</p>
Dewatering Black Walnut Dr  North of PAR Receiving Yard Along Rte. 17	<p>Dewatering was not necessary during recent foundation drillings; 1/15/07</p> <p>Ponded stormwater remains contained in the controls 1/15/07</p>	<p>Monitor area for run-off and consider using silt fence to contain the area, if needed. 11/7/06-1/15/07</p> <p>Mud should be removed or used onsite and exposed soils stabilized as soon as possible. 1/15/07</p>	<p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<b>Black Pond</b>	<b>Dewatering controls in use at Black Pond include filter-socks, rows of silt fence, haybales, and mulch. Silt fence was extended and clean water was noted leaving the silt fence above the wetlands. 1/15/07</b>	<b>Monitor controls; and continue to stabilize exposed surfaces, including the spread slurry, as needed. 1/15/07</b>	<b>NA</b>
<b>Blasting</b>	<b>No blasting is proposed. 1/15/07</b>	<b>None 1/15/07</b>	<b>NA</b>
<b>Spills, soils and material storage</b>  <b>Black Walnut Dr.</b>  <b>Contractor Receiving Yard and Staging Area</b>  <b>Black Pond and ROW, North of Beseck SS</b>	<b>Spill controls move from site to site with the equipment. 1/15/07</b>  <b>Concrete washout area is in place with fencing to protect the area. 1/15/07</b>  <b>Some materials (structure components, equipment, etc.) are being stored here, well away from any wetland resource areas.</b>  <b>Materials are being stored and structures staged in this area. Fuel tanks have been moved back to their original area and a stone pad was constructed to contain spills. Fire extinguishers and spill kits are located near the fuel tanks. 1/15/07</b>  <b>Both refueling tank nozzles were placed in a 5-gallon bucket with spill controls. 1/15/07</b>  <b>Trucks have been stored in a better location onsite to reduce proximity to wetlands or swales. 1/15/07</b>  <b>Concrete washout areas are in place along the ROW, as needed and old</b>	<b>Always use spill control materials when working on equipment and during refueling. 1/15/07</b>  <b>Maintain washout area with safety precautions. 1/15/07</b>  <b>Continue to store materials away from resource areas.</b>  <b>Always use spill control materials when working on equipment and during refueling. Continue to locate hazardous materials and equipment away from wetlands when possible. 1/15/07</b>  <b>Make sure all fuel nozzles are being properly stored after every use. 1/15/07</b>  <b>Continue to locate all machinery away from wetland resource areas and inlets such as culverts and CBs. Monitor and maintain equipment. 1/15/07</b>  <b>Continue to use and maintain the designated washout areas. 1/15/07</b>	<b>NA</b>  <b>NA</b>  <b>NA</b>  <b>A stone pad was added for spill control.</b>  <b>Both nozzles were contained.</b>  <b>Equipment has been moved to a better storage area.</b>  <b>NA</b>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
	<b>ROW as needed and old washouts are being cleaned and removed as work continues along the ROW. 1/15/07</b>	<b>washout areas. 1/15/07</b>	
<b>Additional Observations</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Next likely scheduled inspection:** Monday January 22, 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





**Riprap sediment trap and silt fence along the access road off Black Walnut Drive. Accumulated sediment has been removed and silt fence was repaired.**



**Access road and ROW off Arbutus Street. No run-off was noted during the inspection.**



**Access road off Haddam Quarter Rd. Clear water was leaving the site, filtered by existing controls.**



**Silt fence, fiber rolls, and hay mulch have been added upgradient of wetland areas adjacent to the contractor receiving yard.**



Additional controls were added adjacent to wetlands to filter/contain turbid run-off leaving the site.



Additional controls were also added to drainage areas/swales at the contractor receiving yard.



New location, stone spill pad, and handle containment for the fuel storage tanks at the contractor receiving yard. Spill kits and fire extinguishers were also added.



Silt fence extension located upgradient of the wetlands at Black Pond



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



**Some 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 west of Powder Hill Rd. Haybales are in place for further control. Continue to monitor and adjust when the road is active.**



**Saturated slope east of Powder Hill Rd within the new clearing. Monitor slope for erosion and changes to run-off patterns. Soils appear stable.**