

**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:** November 14, 2006

**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 2.80” rain from 11/8 – 11/14 with 1.71” on 11/8 (as reported by NOAA 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>Traffic is using the entrance off Oxbow Road. No sediment tracking was noted. 11/14/06</b>	<b>The new stone entrance reduces sediment tracking. Maintain and clean stone entrance as needed. 11/14/06</b>	<b>Not Applicable (NA)</b>
<b>Haddam Quarter Rd. To Foot Hills Rd.</b>	<b>New access road has been installed off Haddam Quarter Rd. Equipment was being removed during the inspection and some tracking was observed on the road. The pond adjacent to the access road has some haybales in place but more should be added to prevent sedimentation. 11/14/06</b>	<b>Continue to add controls where needed, i.e. mulch, check dams, silt fence, to control potential sediment and prevent erosion. Clean/sweep roadway after equipment removal and as needed. 11/14/06</b>	<b>Some haybales were installed. Some areas need more attention.</b>
	<b>Mats were installed to cross the non-jurisdictional isolated wetland. 11/14/06</b>	<b>See erosion control section for more details. 11/14/06</b>	<b>Mats were installed at the crossing.</b>
	<b>Several spots along the access road had issues with turbid run-off</b>	<b>See erosion control section for more details. 11/14/06</b>	<b>Needs attention</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Black Walnut Dr.</b></p>	<p>leaving site. 11/14/06</p> <p>Access road is in place. Black Walnut Dr. was free of sediment Catch Basin (CB) inlet protection looks good. 11/14/06</p> <p>Check dam, mulch, and other stormwater controls have held up very well. 11/14/06</p>	<p>Continue to clean the roadway as needed. 11/14/06</p> <p>Monitor controls and make sure controls are effectively handling storm water and erosion. 11/14/06</p>	<p>Roadway being swept as needed.</p> <p>NA</p>
<p><b>Black Pond</b></p>	<p>Access road and stone pad construction is complete. Route 66 is free of sediment tracking. 11/14/06</p>	<p>Monitor and maintain controls as needed. 11/14/06</p>	<p>NA</p>
<p><b>ROW, North of Beseck SS</b></p>	<p>Truck traffic is using the new ROW access connected to the existing Beseck stone entrance. A sediment trap is still needed at the outlet of the new culvert. 11/14/06</p> <p>Carpenter Lane has sediment buildup and turbid run-off from the Beseck area. A street sweeper was cleaning the roadway during the inspection. 11/14/06</p> <p>Haybales and two lines of silt fence in place along the new access drive above the wetland (east of Beseck) look good and pooling issues were not observed. 11/14/06</p>	<p>Monitor and clean/sweep Carpenter Lane as needed. Beseck and 1A contractors will have to work together to maintain Carpenter Lane. 11/14/06</p> <p>Continue to maintain Carpenter Lane as needed. 11/14/06</p> <p>Monitor the controls and make sure storm water is being filtered appropriately. 11/14/06</p>	<p>Haybales were present at the inlet but continue construction at the outlet pad.</p> <p>Carpenter Lane was being swept.</p> <p>Controls are working well.</p>
<p><b>Contractor Receiving Yard and Storage Area</b></p>	<p>No sediment tracking on Rte 17. The stone pad at the site entrance is in good shape. 11/14/06</p>	<p>Maintain tracking pad and clean roadway if needed. 11/14/06</p>	<p>New tracking pad in place.</p>
<p><b>North of Contractor Yard Along Rte. 17</b></p>	<p>Rte. 17 was being cleaned during the inspection. 11/14/06</p>	<p>Continue to monitor Rte. 17 and clean roadway as needed. 11/14/06</p>	<p>Roadway being cleaned during the inspection.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Foundation and site construction</b></p> <p><b>Oxbow Junction</b></p> <p><b>Haddam Quarter Rd. to Foot Hills Rd.</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>Pole installation complete. No new work. 11/14/06</b></p> <p><b>No foundations are being installed yet. Only clearing at this time 11/14/06</b></p> <p><b>Foundation work is complete at this time. A slurry area remains here to dry out mud from the excavations. 11/7-11/14/06</b></p> <p><b>No foundations are being installed yet. Silt fence was added in preparation for dewatering and drilling in the area this week. 11/14/06</b></p> <p><b>No foundations are being installed yet. Silt fence was added in preparation for drilling and dewatering. 11/14/06</b></p> <p><b>New foundations were installed. Slurry dewatering pits and concrete washout areas were established. 11/14/06</b></p>	<p><b>None. 11/14/06</b></p> <p><b>None 11/14/06</b></p> <p><b>Slurry mud is raked and thinned so it dries. Monitor area for run-off and consider using silt fence to contain the area, if needed. 11/7-11/14/06</b></p> <p><b>Monitor erosion controls during drilling and dewatering. 11/14/06</b></p> <p><b>None 11/14/06</b></p> <p><b>Monitor slurry from dewatering and stabilize the area when possible. See erosion control section for more details. 11/14/06</b></p>	<p><b>NA</b></p> <p><b>NA</b></p> <p><b>Slurry/mud pit area is being used.</b></p> <p><b>Silt fence installed.</b></p> <p><b>Silt fence installed.</b></p> <p><b>NA.</b></p>
<p><b>Erosion and sediment controls</b></p> <p><b>Oxbow Junction</b></p> <p><b>Haddam Quarter Rd. To Foot Hills Rd.</b></p>	<p><b>Very little potential for soil erosion exists in this area. 11/14/06</b></p> <p><b>Pond located at the access road entrance has new haybales. Controls are not in place along some areas adjacent to the pond. 11/14/06</b></p>	<p><b>Continue to selectively cut vegetation in accordance with the D&amp;M plan. 11/14/06</b></p> <p><b>More controls, i.e. mulch, check dams, silt fence, haybales, etc., are needed to prevent erosion along the access road slopes and prevent sediment tracking onto Haddam Quarter Rd. 11/14/06</b></p>	<p><b>NA.</b></p> <p><b>Haybales were added, more controls are needed.</b></p>

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	<p>Silt fence was added at the end of the access road. Turbid water is flowing around the fence and off site. Sediment has not made its way to off-site wetland areas. 11/14/06</p>	<p>Extend silt fence further up slope and provide additional filtration if necessary. Monitor the area and wetlands for sedimentation. 11/14/06</p>	<p>Needs attention.</p>
<p>Black Walnut Dr.</p>	<p>The small isolated wetland in the ROW has mats installed for the crossing but turbid water is flowing off-site. Sediment has not reached off-site wetlands and is mostly filtered by vegetation. 11/14/06</p>	<p>Add controls along the edge of the ROW access to prevent turbid stormwater from flowing towards off-site wetlands if necessary 11/14/06</p>	<p>Needs attention</p>
	<p>Accumulated sediment was removed from the riprap controls/trap but was placed against the toe of the silt fence. 11/14/06</p>	<p>When removing sediment from riprap controls, place in an upland area away from the silt fence to reduce stress on the silt fence. 11/14/06</p>	<p>Sediment buildup was removed but was placed against the silt fence.</p>
<p>Black Pond</p>	<p>New silt fence has been installed along the slopes, downgradient of work sites, and for dewatering containment in preparation for drilling. 11/14/06</p>	<p>Monitor new silt fence and add controls if needed when work is underway. 11/14/06</p>	<p>Silt fence installed</p>
	<p>All exposed areas have been seeded with a winter rye. 11/14/06</p>	<p>Monitor areas for temporary stabilization and add controls if needed. 11/14/06</p>	<p>Winter rye added to exposed areas.</p>
<p>ROW North of Beseck SS</p>	<p>Mulch is in place on the access road to prevent erosion. Controls in place above the wetlands along the access road are in good condition. 11/14/06</p>	<p>Continue to monitor controls for appropriate filtration but ponding issues were not noted. 11/14/06</p>	<p>No issues noted</p>
	<p>Silt fence was added downgradient from graded work areas in preparation for drilling. 11/14/06</p>	<p>Monitor silt fence during drilling and dewatering. 11/14/06</p>	<p>Silt fence installed</p>
<p>Contractor Receiving Yard and Storage Area</p>	<p>Silt fence around the site looks good. 11/14/06</p>	<p>Maintain silt fence along wetland buffer zone</p>	<p>NA</p>

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<p>North of Contractor Yard Along Rte. 17</p>	<p>looks good. 11/14/06</p> <p>Soil stockpiles should be stored away from wetlands and catch basins onsite. 11/14/06</p> <p>Slurry mud from dewatering overwhelmed the silt fence containment areas that were installed. Additional silt fence barriers were added and sediment did not reach the wetlands off-site 11/14/06</p>	<p>wetland buffer zone. 11/14/06</p> <p>Stabilize stockpiles if they will be left for 14 days or more. 11/14/06</p> <p>Monitor slurry and thin to dry. Once slurry is dry, remove or use onsite. Stabilize exposed areas and monitor for erosion. Add controls as needed. 11/14/06</p>	<p>NA</p> <p>Silt fence containment areas were added and adapted for dewatering.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Haddam Quarter Rd. To Foot Hills Rd.</p>	<p>Jurisdictional wetland areas and buffers will not be accessed until the ACOE permit is in hand. 11/14/06</p> <p>Small isolated wetland finger was crossed using mats. Area does not appear to be jurisdictional. 11/14/06</p> <p>Additional controls are needed in some areas to avoid potential impacts to off-site wetlands. 11/14/06</p>	<p>Continue to monitor wetlands and erosion controls. 11/14/06</p> <p>Caution should be taken not to fuel or store equipment near wetlands. 11/14/06</p> <p>See erosion control section for more details. 11/14/06</p>	<p>NA</p> <p>NA</p> <p>Needs attention.</p>
<p>State species of concern, threatened and endangered species.</p>	<p>According to the D&amp;M plan, state-listed species are not located in the current work areas. 11/14/06</p> <p>Potential habitat for wood turtles is noted at Ball Brook in this section. 11/14/06</p>	<p>None. 11/14/06</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until next spring 11/14/06</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p> <p>Oxbow Junction</p>	<p>Vegetative clearing is finished in this area until ACOE permits are obtained. 11/14/06</p>	<p>None. 11/14/06</p>	<p>Area is stable.</p>

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<p>Haddam Quarter Rd. To Foot Hills Rd.</p> <p>Black Pond</p> <p>ROW, north of Beseck SS</p> <p>North of Contractor Yard Along Rte. 17</p>	<p>Clearing is complete. Some mulch was added to an exposed area. 11/14/06</p> <p>Vegetation clearing is complete in this area until ACOE permits are obtained. Most exposed areas have been mulched or seeded for temporary stabilization. 11/14/06</p> <p>Clearing is complete in this area. Only a small pile of logs remains to be removed from site. 11/14/06</p> <p>Only a small area has been cleared. Erosion controls installed for dewatering. 11/14/06</p>	<p>Stabilize remaining exposed areas and monitor activities around wetlands. 11/14/06</p> <p>Only a small area has been cleared. Continue to monitor controls. 11/14/06</p> <p>Continue to monitor cleared areas for erosion and stabilize as needed. 11/14/06</p> <p>Monitor controls and stabilize disturbed areas. 11/14/06</p>	<p>Some areas were mulched.</p> <p>Most areas were mulched or seeded.</p> <p>NA.</p> <p>Silt fence added.</p>
<p>Dewatering</p> <p>North of PAR Receiving Yard Along Rte. 17</p>	<p>Dewatering off Rte 17 is complete. Excavations were dewatered into a series of slurry pits. The silt fence was overwhelmed but additional barriers installed to prevent muds from reaching off-site wetlands. 11/14/06</p>	<p>Monitor silt fences and slurry area for stabilization. Mud should be dried and removed or used onsite and stabilized as soon as possible. 11/14/06</p>	<p>Dewatering was contained.</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 11/14/06</p>	<p>None 11/14/06</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. 11/14/06</p> <p>Concrete washout area was installed; fencing is in place to protect the area. 11/14/06</p> <p>Materials are being stored and structures staged in this area. All stored materials are located approx. 100 ft away from resource areas. 11/14/06</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 11/14/06</p> <p>Maintain washout area with safety precautions. 11/14/06</p> <p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 11/14/06</p>	<p>NA</p> <p>NA</p> <p>NA</p>

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<p><b>Black Walnut Dr.</b></p> <p><b>North of Contractor Yard Along Rte. 17</b></p>	<p><b>Workers are using a large magnet to pick up small pieces of metal at the end of each day. 11/14/06</b></p> <p><b>The third re-fueling tank noted last week was removed from the site. 11/14/06</b></p> <p><b>Some materials (structure components, equipment, etc.) are being stored here. These materials are located well away from any resource areas. 11/14/06</b></p> <p><b>Slurry is being dewatered here and has the potential for overwhelming controls. 11/14/06</b></p> <p><b>A concrete washout area was set up and had been used regularly. One small washout was noted outside of the pit. 11/14/06</b></p>	<p><b>Continue to remove debris (including trash) from the site regularly. 11/14/06</b></p> <p><b>Ensure spill controls are used during fueling. Consider installing additional spill containment near the tanks even though this is not in RWA boundaries. Install nozzle holsters. 11/14/06</b></p> <p><b>Continue to store materials away from resource areas.</b></p> <p><b>Monitor, dry, and stabilize slurry areas. 11/14/06</b></p> <p><b>Remove concrete and always use the designated washout areas. 11/14/06</b></p>	<p><b>Debris is being removed regularly.</b></p> <p><b>The third tank was removed.</b></p> <p><b>NA</b></p> <p><b>Currently contained with silt fence.</b></p> <p><b>Concrete washout area was set up.</b></p>
<p><b>Additional Observations</b></p>	<p><b>NA</b></p>	<p><b>NA</b></p>	<p><b>NA</b></p>

**Next likely scheduled inspection:**

**Tuesday November 21, 2006**

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*



**Pole installation complete at Oxbow Junction.**



**Riprap sediment trap and silt fence along the access road off Black Walnut Dr. Sediment was cleaned out but should be placed upland, away from the silt fence.**



**Add erosion controls between the new access road and the pond off Haddam Quarter Rd. to prevent sedimentation.**



**Non-jurisdictional wetland crossing area in the access ROW off Haddam Quarter Rd.**





**Turbid run-off was noted flowing off site from the wetland crossing off Haddam Quarter Rd. It filters naturally through the vegetation but controls could be installed.**



**Turbid run-off was noted flowing around the silt fence and off site at Haddam Quarter Rd, at the end of the access road and ROW. Extend silt fence and provide additional filtration.**



**Silt fence remains in place along the drainage ditch at the contractor receiving yard & staging area.**



**Fuel tanks stored at the contractor yard. The third tank noted last week had been removed.**



**Cleared area north of Beseck SS. New silt fence added at drill sites in preparation for the work.**



**Silt fence/haybale barrier along the access road adjacent to Black Pond in preparation for drilling in the area.**



**Slurry containment areas located in the ROW north of the contractor yard along Rte 17. Additional silt fence barriers were added to contain escaping sediment.**



**A small concrete washout was noted outside the designated washout area along Rte. 17. The concrete should be removed and disposed of**