

**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 21, 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 0.93” rain between 11/15 – 11/21 with 0.86” on 11/16 (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. 11/21/06</b>	<b>The new stone entrance reduces sediment tracking. Maintain and clean stone entrance as needed. 11/21/06</b>	<b>Not Applicable (NA)</b>
<b>Haddam Quarter Rd. To Foot Hills Rd.</b>	<b>Access road is in place off Haddam Quarter Rd. The roadway was swept. The pond adjacent to the access road has some haybales in place but more should be added to prevent sedimentation as needed. 11/21/06</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 as needed. 11/21/06</b>	<b>The road was swept and some haybales were installed. Some areas may need more attention.</b>
	<b>Mats are in place at the non-jurisdictional isolated wetland. 11/21/06</b>	<b>See erosion control section for more details. 11/21/06</b>	<b>NA</b>
	<b>Clear water was flowing from the access road off site. As traffic increases, more controls may be needed in this area. 11/21/06</b>	<b>See erosion control section for more details. 11/21/06</b>	<b>Some controls were added.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Arbutus Street	Access road and tracking pad are in place. Arbutus St was free of sediment. Catch Basin (CB) inlet protection looks good. 11/21/06	Sweep the roadway as needed. Add to existing controls in CBs as necessary to accommodate drop inlets. 11/21/06	Appropriate controls are in place.
Black Walnut Dr.	Access road is in place. Black Walnut Dr. was free of sediment CB inlet protection looks good. 11/21/06	Continue to clean the roadway as needed. 11/21/06	Roadway being swept as needed.
	Stormwater controls have held up well. 11/21/06	See erosion control section. 11/21/06	NA
Black Pond	Access road and stone pad construction is complete. Rt 66 is free of sediment tracking. 11/21/06	Monitor and maintain controls as needed. 11/21/06	NA
ROW, North of Beseck SS	Truck traffic is using the new ROW access connected to the existing Beseck stone entrance. A sediment trap was installed and the old road is now cut off. 11/21/06	Monitor and clean/sweep Carpenter Lane as needed. Beseck and 1A contractors will have to work together to maintain Carpenter Lane. 11/21/06	Sediment trap was installed.
	Carpenter Lane was mostly free of sediment. 11/21/06	Continue to maintain Carpenter Lane as needed. 11/21/06	Carpenter Lane was cleaned.
	Haybales and silt fence along the new access drive above the wetland (east of Beseck) remain in good shape. 11/21/06	Monitor the controls and make sure storm water is being filtered appropriately. 11/21/06	NA
Contractor Receiving Yard and Storage Area	No sediment tracking on Rte 17. The stone pad at the site entrance is in good shape. 11/21/06	Maintain tracking pad and clean roadway if needed. 11/21/06	NA
North of Contractor Yard Along Rte. 17	No sediment tracking noted on Rte. 17. 11/21/06	Continue to monitor Rte. 17 and clean roadway as needed. 11/21/06	NA
Little Lane	A tracking pad was installed and then shifted at the request of an	Continue to sweep roadway as needed and monitor for any sediment	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<b>abutter. Minor sediment tracking was noted on Little Ln. 11/21/06</b>	<b>issues on neighboring properties. 11/21/06</b>	
<b>Foundation and site construction</b>  <b>Oxbow Junction</b>  <b>Haddam Quarter Rd. to Foot Hills Rd.</b>  <b>Arbutus Street</b>  <b>Black Walnut Dr.</b>  <b>Black Pond</b>  <b>North of Beseck in ROW</b>  <b>North of Contractor Yard Along Rte. 17</b>  <b>Little Lane</b>	<b>Pole installation complete. No new work. 11/21/06</b>  <b>No foundations are being installed yet. Only clearing is occurring at this time 11/21/06</b>  <b>Only clearing is occurring at this time 11/21/06</b>  <b>Foundation work is complete for the time. 11/21/06</b>  <b>One foundation has been installed and several slurry areas were installed. 11/21/06</b>  <b>No foundations are being installed yet. Silt fence is in place in preparation for drilling and dewatering. 11/21/06</b>  <b>New foundations were in place. 11/21/06</b>  <b>Only clearing is occurring at this time 11/21/06</b>	<b>None. 11/21/06</b>  <b>None 11/21/06</b>  <b>None 11/21/06</b>  <b>See dewatering section for more details. 11/21/06</b>  <b>Monitor erosion controls, and see dewatering section 11/21/06</b>  <b>None 11/21/06</b>  <b>See dewatering section for more details. 11/21/06</b>  <b>None 11/21/06</b>	<b>NA</b>  <b>NA</b>  <b>NA</b>  <b>NA.</b>  <b>NA.</b>  <b>NA.</b>  <b>NA</b>  <b>NA</b>
<b>Erosion and sediment controls</b>  <b>Oxbow Junction</b>  <b>Haddam Quarter Rd. To Foot Hills Rd.</b>	<b>Very little potential for soil erosion exists in this area. 11/21/06</b>  <b>New haybales were installed along the access road entrance near the pond. Controls may still need to be extended to encompass more areas. 11/21/06</b>	<b>Continue to selectively cut vegetation in accordance with the D&amp;M plan. 11/21/06</b>  <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. 11/14-11/21/06</b>	<b>NA</b>  <b>Haybales were added, more controls are needed.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Arbutus Street	<p>Silt fence was extended at the end of the access road but some minor run-off was still getting through. 11/21/06</p> <p>The small isolated wetland in the ROW has mats installed for the crossing. Clear water was flowing through the mats and off site. 11/21/06</p>	<p>11/21/06</p> <p>Monitor silt fence and wetlands for sedimentation. None was observed at this time. 11/21/06</p> <p>Add controls along the edge of the ROW access to prevent turbid stormwater from flowing towards off-site wetlands when site work continues, if necessary 11/14-11/21/06</p>	<p>Silt fence was extended.</p> <p>Needs evaluation.</p>
Black Walnut Dr.	<p>Silt fence was installed around new pads and mulch has been added to slopes. 11/21/06</p>	<p>Monitor controls and increase if needed. 11/21/06</p>	<p>Silt fence and mulch added.</p>
Black Pond	<p>Accumulated sediment is putting stress on a section of silt fence. 11/21/06</p>	<p>Clean sediment and maintain silt fence as needed. 11/21/06</p>	<p>Needs attention</p>
Black Pond	<p>New silt fence and bio-socks have been installed along the slope for containing/filtering dewatering runoff. Some of the controls have a heavy accumulation of slurry/sediment. 11/21/06</p>	<p>Monitor controls Slurry should be thinned or removed to retain the integrity of the controls. 11/21/06</p>	<p>Silt fence and bio-socks installed. Needs some attention.</p>
ROW North of Beseck SS	<p>Some exposed areas have been seeded with a winter rye; grass growth was noted. 11/21/06</p>	<p>Monitor areas until fully stable. 11/21/06</p>	<p>Grass growth was noted.</p>
ROW North of Beseck SS	<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. 11/21/06</p>	<p>Continue to monitor controls but ponding issues were not noted. 11/21/06</p>	<p>NA</p>
ROW North of Beseck SS	<p>Silt fence was in place at work areas in preparation for drilling. 11/21/06</p> <p>Winter rye was spread on some exposed areas and has started to germinate.</p>	<p>Monitor silt fence during drilling and dewatering. 11/21/06</p> <p>Continue to monitor as vegetative cover establishes. 11/21/06</p>	<p>NA</p> <p>Grass growth noted.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Contractor Receiving Yard and Storage Area</b></p> <p><b>North of Contractor Yard Along Rte. 17</b></p> <p><b>Little Lane</b></p>	<p>has started to germinate. 11/21/06</p> <p>The riprap sediment trap was installed. Haybales were placed at the culvert inlet and outlet.</p> <p>Silt fence around the site looks good. 11/21/06</p> <p>Soil stockpiles should continue to be stored away from wetlands and catch basins onsite. 11/21/06</p> <p>Slurry mud from dewatering, was spread to dry over the site. Additional silt fence barriers remain in place until sediment dries and can be removed. 11/21/06</p> <p>Area is small with very little potential for erosion. 11/21/06</p>	<p>establishes. 11/21/06</p> <p>Maintain controls and continue to monitor. 11/21/06</p> <p>Maintain silt fence along wetland buffer zone. 11/21/06</p> <p>Stabilize stockpiles if they will be left for 14 days or more. 11/21/06</p> <p>Stabilize exposed areas and monitor for erosion. Add controls as needed. See dewatering section. 11/21/06</p> <p>Monitor area and add controls as needed. 11/21/06</p>	<p>The sediment trap was installed and controls are in place.</p> <p>NA</p> <p>NA</p> <p>Silt fence containment areas were added and adapted for dewatering.</p> <p>NA</p>
<p><b>Inland Wetland and Watercourse encroachment and mitigation</b></p> <p><b>Haddam Quarter Rd. To Foot Hills Rd.</b></p>	<p>Jurisdictional wetland areas and buffers will not be accessed until the ACOE permit is in hand. 11/21/06</p> <p>Small isolated wetland finger was crossed using mats. Area does not appear to be jurisdictional. 11/21/06</p> <p>Sedimentation issues were not noted but additional controls may be needed to protect offsite wetlands. 11/21/06</p>	<p>Continue to monitor wetlands and erosion controls. 11/21/06</p> <p>Caution should be taken not to fuel or store equipment near wetlands. 11/21/06</p> <p>See erosion control section for more details. 11/21/06</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation</p>
<p><b>State species of concern, threatened and endangered species.</b></p>	<p>According to the D&amp;M plan, state-listed species are not located in the current work areas. 11/21/06</p>	<p>None. 11/21/06</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Potential habitat for wood turtles is noted at Ball Brook in this section. 11/21/06</p>	<p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until next spring. 11/21/06</p>	<p>NA</p>
<p><b>Vegetative clearing or stabilization</b></p> <p><b>Oxbow Junction</b></p> <p><b>Haddam Quarter Rd. To Foot Hills Rd.</b></p> <p><b>Arbutus Street</b></p> <p><b>Black Pond</b></p> <p><b>ROW, north of Beseck SS</b></p> <p><b>North of Contractor Yard Along Rte. 17</b></p> <p><b>Little Lane</b></p>	<p>Vegetative clearing is finished in this area until ACOE permits are obtained. 11/21/06</p> <p>Clearing is complete at the time. 11/21/06</p> <p>Clearing has started, small saplings are being removed and stacked along the ROW. Some exposed areas have been mulched. 11/21/06</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. Some grass growth was noted. 11/21/06</p> <p>A small pile of logs remains to be removed from site. Some grass cover has established. 11/21/06</p> <p>Only a small area has been cleared. 11/21/06</p> <p>Small area was cleared. Work area is relatively flat. 11/26/06</p>	<p>None. 11/21/06</p> <p>Continue to stabilize remaining exposed areas. 11/21/06</p> <p>Continue to mulch and monitor exposed areas. 11/21/06</p> <p>Only a small area has been cleared. Continue to monitor controls and exposed areas. 11/21/06</p> <p>Continue to monitor cleared areas for erosion and stabilize as needed. 11/21/06</p> <p>Monitor controls and stabilize disturbed areas. 11/21/06</p> <p>Add seed or mulch as needed. 11/21/06</p>	<p>Area is stable.</p> <p>NA</p> <p>Some areas were mulched.</p> <p>Most areas were mulched or seeded. Grass growth noted.</p> <p>Some grass growth was noted</p> <p>NA.</p> <p>NA.</p>
<p><b>Dewatering</b></p> <p><b>Black Walnut Dr</b></p>	<p>A slurry area remains here to dry out mud from dewatering the foundation excavations. 11/7-11/21/06</p>	<p>Slurry mud was raked and thinned so it dries. Monitor area for run-off and consider using silt fence to contain the area, if needed. 11/7-11/21/06</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>North of PAR Receiving Yard Along Rte. 17</p> <p>Black Pond</p>	<p>Dewatering off Rte 17 is complete. Excavations were dewatered into a series of slurry pits with additional silt fence barriers. Slurry has been spread in some areas to dry it out. 11/21/06</p> <p>Dewatering controls at Black Pond includes using bio-socks as terraces to slow and filter sediment. Several layers of silt fence, haybales, and mulch were also used to contain the slurry. Some of the controls are stressed by heavy accumulation of slurry and are at maximum capacity. 11/21/06</p>	<p>Monitor silt fence and slurry areas for stabilization. Mud should be dried and removed or used onsite and stabilized as soon as possible. 11/21/06</p> <p>Monitor controls; remove or spread slurry to reduce the stress on existing controls. Stabilize exposed surfaces as soon as possible. 11/21/06</p>	<p>Dewatering was contained.</p> <p>Dewatering was contained. Needs evaluation.</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 11/21/06</p>	<p>None 11/21/06</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. 11/21/06</p> <p>Concrete washout area is in place with fencing to protect the area. Concrete outside the pit was removed. 11/21/06</p> <p>Some materials (structure components, equipment, etc.) are being stored here. These materials are located well away from any resource areas. 11/21/06</p> <p>Materials are being stored and structures staged in this area. All stored materials are located approx. 100 ft away from resource areas except one roll-off trash container located approx 75 ft from</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 11/21/06</p> <p>Maintain washout area with safety precautions. 11/21/06</p> <p>Continue to store materials away from resource areas. 11/21/06</p> <p>Always use spill control materials when working on equipment and during refueling. Replace as needed. Move trash container to greater than 100-feet and Continue to</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>Need attention when feasible.</p>

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>North of Contractor Yard Along Rte. 17</b>	<b>located approx 75 ft from the wetlands. 11/21/06</b>  <b>A concrete washout area was set up and had been used regularly. 11/21/06</b>	<b>remove debris (including trash) from the site regularly. 11/21/06</b>  <b>Remove concrete and continue to use the designated washout areas. 11/21/06</b>	<b>Concrete washout area was set up.</b>
<b>Black Pond</b>	<b>A concrete washout area was set up and had been used regularly. 11/21/06</b>	<b>Remove concrete and continue to use the designated washout areas. 11/21/06</b>	<b>Concrete washout area was set up.</b>
<b>Additional Observations</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Next likely scheduled  
inspection:**

**Tuesday November 28, 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. Accumulated sediment should be removed and the silt fence maintained.**



**Erosion controls may need to be extended 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. Mats are in place and clean water was leaving the site.**





**Silt fence was extended off Haddam Quarter Rd, at the end of the access road and ROW. Extended silt fence will provide additional stormwater filtration.**



**Silt fence installation, clearing and grading off Arbutus Street.**



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



**Fuel tanks stored at the contractor yard. Relocate dumpster within the yard to an area greater than 100-feet from the wetland if feasible.**





**Cleared area north of Beseck SS, prepared for foundation installation.**



**Grass growth noted along cleared slopes north of Beseck SS.**



**Silt fence/haybale barrier along the access road adjacent to Black Pond, used for dewatering slurry.**



**Bio-socks used to trap/filter slurry and sediment from dewatering efforts at Black Pond**





**Slurry containment areas located in the ROW north of the contractor yard along Rt 17. Additional silt fence barriers were installed to contain sediment. Sediment is being removed and spread to dry. Ensure that future run-off over the dried, exposed soil is controlled.**



**Newly installed foundations off Rt 17 with slurry removal area.**



**Entrance off Little Lane. No sediment tracking was noted. Continue to monitor stone pad and roadway.**



**View of clearing activities off Little Lane. Continue to retain vegetation whenever feasible based on the D&M plan.**