

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 28, 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 1.97” rain between 11/21 – 11/28 with 1.93” on 11/23 (as reported by NOAA at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways			
Oxbow Junction	Traffic is using the entrance off Oxbow Road. No sediment tracking was noted. 11/28/06	The new stone entrance reduces sediment tracking. Maintain and clean stone entrance as needed. 11/28/06	Not Applicable (NA)
Haddam Quarter Rd. To Foot Hills Rd.	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. 11/28/06	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. 11/28/06	The road was swept and some haybales were installed. Some areas may need more attention.
	Mats are in place at the non-jurisdictional isolated wetland. 11/28/06	See erosion control section for more details. 11/28/06	NA
	Clear water was flowing from the access road off site. As traffic increases, more controls may be needed in this area. 11/28/06	See erosion control section for more details. 11/28/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Arbutus Street	Access road and tracking pad are in place. Arbutus Street was free of sediment. Catch Basin (CB) inlet protection looks good. 11/28/06	Sweep the roadway and refresh stone as needed. Add to existing controls in CBs as necessary to accommodate drop inlets. 11/28/06	Roadway is being swept as needed.
Black Walnut Dr.	Access road is in place. Black Walnut Dr. was free of sediment CB inlet protection looks good. 11/28/06	Continue to sweep the roadway as needed. 11/28/06	Roadway is being swept as needed.
	Stormwater controls have held up well. 11/28/06	See erosion control section. 11/28/06	NA
Black Pond	Access road and stone pad construction is complete. Route 66 is free of sediment tracking. 11/28/06	Monitor and maintain controls as needed. 11/28/06	NA
ROW, North of Beseck SS	Truck traffic is using the new ROW access connected to the existing Beseck stone entrance. 11/28/06	Monitor and clean/sweep Carpenter Lane as needed. Beseck and 1A contractors will have to work together to maintain Carpenter Lane. 11/28/06	Sediment trap is in place.
	Carpenter Lane was free of sediment. 11/28/06	Continue to maintain Carpenter Lane as needed. 11/28/06	Carpenter Lane was swept.
	Haybales and silt fence along the new access drive above the wetland (east of Beseck) remain in good shape. 11/28/06	Monitor the controls and make sure storm water is being filtered appropriately. 11/28/06	NA
Contractor Receiving Yard and Storage Area	No sediment tracking on Rte 17. The stone pad at the site entrance is in good shape. 11/28/06	Maintain tracking pad and sweep roadway if needed. 11/28/06	NA
North of Contractor Yard Along Rte. 17	No sediment tracking noted on Rte. 17. 11/28/06	Continue to monitor Rte. 17 and sweep roadway as needed. 11/28/06	NA
Little Lane	Tracking pad was in place; No sediment tracking noted on the roadway. 11/28/06	Continue to sweep roadway as needed and monitor for any sediment issues on neighboring	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
		properties. 11/28/06	
Foundation and site construction Oxbow Junction Haddam Quarter Rd. to Foot Hills Rd. Arbutus Street Black Walnut Dr. Black Pond North of Beseck in ROW North of Contractor Yard Along Rte. 17 Little Lane	Pole installation complete. No new work. 11/28/06 No foundations are being installed yet. Only clearing is occurring at this time at this time 11/28/06 Only clearing is occurring at this time 11/28/06 Line installation crews were onsite. Foundation installation is complete for the time. 11/28/06 One foundation has been installed and several slurry areas were established. 11/28/06 Foundation drilling was underway during the inspection. 11/28/06 New foundations were in place Slurry dewatering pits have been amended. 11/28/06 Four temporary poles were installed and crews are working on line transfers and cut-offs. 11/28/06	None. 11/28/06 None 11/28/06 None 11/28/06 See dewatering section for more details. 11/28/06 Monitor erosion controls, and see dewatering section 11/28/06 Monitor and maintain controls. 11/28/06 See dewatering section for more details. 11/28/06 None 11/28/06	NA NA NA NA NA. NA NA.
Erosion and sediment controls Oxbow Junction Haddam Quarter Rd. To Foot Hills Rd.	Very little potential for soil erosion exists in this area. 11/28/06 Haybales were in place along the access road entrance near the pond. Controls may still need to be extended to encompass more areas. 11/21-11/28/06	Continue to selectively cut vegetation in accordance with the D&M plan. 11/28/06 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-	NA Haybales were added, more evaluation may be needed.

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<p>Erosion and sediment controls continued</p>	<p>Silt fence was extended at the end of the access road. Run-off was filtering through this area. 11/28/06</p>	<p>11/28/06 Monitor silt fence and wetlands for sedimentation. None was observed at this time. 11/28/06</p>	<p>NA.</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. 11/28/06</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 11/14-11/28/06</p>	<p>Needs evaluation.</p>
<p>Arbutus Street</p>	<p>Silt fence remains in place around work areas. 11/28/06</p>	<p>Monitor controls and increase if needed. 11/28/06</p>	<p>Silt fence and mulch added.</p>
<p>Black Walnut Dr.</p>	<p>Accumulated sediment is putting stress on a section of silt fence. 11/21-11/28/06</p>	<p>Clean sediment and maintain silt fence as needed. 11/21-11/28/06</p>	<p>Needs attention.</p>
<p>Black Pond</p>	<p>Silt fence and bio-socks remain along the slope for containing/filtering dewatering runoff. Some of the controls have a heavy accumulation of slurry/sediment. 11/21-11/28/06</p>	<p>Monitor controls Slurry should be thinned or removed to retain the integrity of the controls. 11/21-11/28/06</p>	<p>Silt fence and bio-socks installed. Needs some attention.</p>
	<p>Some exposed areas have been seeded with a winter rye; grass growth was noted. 11/28/06</p>	<p>Monitor areas until fully stable. 11/28/06</p>	<p>Grass growth was noted.</p>
<p>ROW North of Beseck SS</p>	<p>Mulch and stone are in place on the access road to prevent erosion. Controls above the wetlands along the access road are in good condition. 11/28/06</p>	<p>Continue to monitor controls for appropriate filtration but ponding issues were not noted. 11/28/06</p>	<p>NA</p>
	<p>Silt fence was in place at work areas. No dewatering was required at this time. 11/28/06</p>	<p>Monitor silt fence during drilling and dewatering, if needed. 11/28/06</p>	<p>NA</p>

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<p>Contractor Receiving Yard and Storage Area</p> <p>North of Contractor Yard Along Rte. 17</p> <p>Little Lane</p>	<p>Winter rye seed has started to germinate in some exposed areas. 11/28/06</p> <p>Silt fence around the site looks good. Silt fence should be extended to cover all drainage areas. 11/28/06</p> <p>Soil stockpiles should be stored away from wetlands and catch basins onsite. 11/28/06</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. 11/21-11/28/06</p> <p>A larger area to the west of the wetland was erroneously cleared well within the buffer zone. This area retains some vegetation. Contractors ceased work when they realized the wetland was here. 11/28/06</p>	<p>Continue to monitor as vegetative cover establishes 11/28/06</p> <p>Maintain (and re-staple) silt fence along wetland buffer zone and extend around all drainage areas. 11/28/06</p> <p>Stabilize stockpiles if they will be left for 14 days or more. 11/28/06</p> <p>Stabilize exposed areas and monitor for erosion. Add controls as needed. See dewatering section. 11/28/06</p> <p>Due to the impacts to the buffer zone, controls should be added adjacent to the wetland to prevent potential sedimentation. 11/28/06</p>	<p>Grass growth noted.</p> <p>Extend silt fence as needed.</p> <p>NA</p> <p>Some slurry was removed and spread on site.</p> <p>Needs attention.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p> <p>Haddam Quarter Rd. To Foot Hills Rd.</p> <p>Contractor Storage Yard</p>	<p>Jurisdictional wetland areas and buffers will not be accessed until the ACOE permit is in hand. 11/28/06</p> <p>Small isolated wetland finger was crossed using mats. Area does not appear to be jurisdictional. 11/28/06</p> <p>Sedimentation issues were not noted but additional controls may be needed to protect offsite wetlands. 11/28/06</p> <p>Pond adjacent to yard was noticeably turbid</p>	<p>Continue to monitor wetlands and erosion controls. 11/28/06</p> <p>Caution should be taken not to fuel or store equipment near wetlands. 11/28/06</p> <p>See erosion control section for more details. 11/28/06</p> <p>Evaluate whether this is a pre-existing condition (ie</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation.</p> <p>Needs evaluation</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Little Lane	<p>was noticeably turbid. Several drains were noted in the area but no obvious source of turbidity from the yard was identified. 11/28/06</p> <p>Buffer zone impacts occurred accidentally and controls may be needed. 11/28/06</p>	<p>pre-existing condition (ie algal blooms, or other landowners.) Determine controls necessary if this is project related 11/28/06</p> <p>See erosion control section for more details. 11/28/06</p>	Needs attention.
State species of concern, threatened and endangered species.	<p>According to the D&M plan, state-listed species are not located in the current work areas. 11/28/06</p> <p>Potential habitat for wood turtles is noted at Ball Brook in this section. 11/28/06</p>	<p>None. 11/28/06</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until next spring. 11/28/06</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p> <p>Oxbow Junction</p> <p>Haddam Quarter Rd. To Foot Hills Rd.</p> <p>Arbutus Street</p> <p>Black Pond</p> <p>ROW, north of Beseck SS</p>	<p>Vegetative clearing is finished in this area until ACOE permits are obtained. 11/28/06</p> <p>Clearing is complete at the time. Some mulch and silt fence was added to exposed areas. 11/28/06</p> <p>Clearing has ceased for now. Some exposed areas have been mulched. 11/28/06</p> <p>Vegetation clearing is complete in this area until ACOE permits are obtained. Some grass growth was noted. 11/28/06</p> <p>A small pile of logs remains to be removed from site. Some grass cover has established. established. 11/28/06</p>	<p>None. 11/28/06</p> <p>Continue to stabilize remaining exposed areas 11/28/06</p> <p>Continue to mulch and monitor exposed areas. 11/28/06</p> <p>Only a small area has been cleared. Continue to monitor controls and exposed areas 11/28/06</p> <p>Continue to monitor cleared areas for erosion and stabilize as needed. 11/28/06</p>	<p>Area is stable.</p> <p>NA</p> <p>Some areas were mulched.</p> <p>Grass growth noted.</p> <p>Some grass growth was noted</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>North of Contractor Yard Along Rte. 17</p> <p>Little Lane</p>	<p>Only a small area has been cleared. 11/28/06</p> <p>New clearing west of wetland. Clearing accidentally included a section of buffer zone. Most of the vegetation was invasive planted species and removed from the area. 11/28/06</p>	<p>Monitor controls and stabilize disturbed areas. 11/28/06</p> <p>If needed, determine a better system to reduce the likelihood of impacting more buffer zones prior to receiving permits- (ie ensure wetlands are surveyed, flagged, and areas shown to crews prior to cutting). 11/28/06</p>	<p>NA.</p> <p>Needs attention.</p>
<p>Dewatering</p> <p>Black Walnut Dr</p> <p>North of PAR Receiving Yard Along Rte. 17</p> <p>Black Pond</p>	<p>Dewatering is complete here mud was spread to dry. 11/28/06</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. 11/21-11/28/06</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. 11/21-11/28/06</p>	<p>Monitor area for run-off and consider using silt fence to contain the area, if needed. 11/7-11/28/06</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. 11/28/06</p> <p>Monitor controls; remove or spread slurry to reduce the stress on existing controls. Stabilize exposed surfaces as soon as possible. 11/28/06</p>	<p>Dewatering is complete.</p> <p>Dewatering was contained.</p> <p>Dewatering was contained. Needs evaluation.</p>
<p>Blasting</p>	<p>No blasting is proposed at this time. 11/28/06</p>	<p>None 11/28/06</p>	<p>NA</p>
<p>Spills, soils and material storage</p>	<p>Spill controls move from site to site with the equipment. 11/28/06</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 11/28/06</p>	<p>NA</p>

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Black Walnut Dr.	Concrete washout area is in place with fencing to protect the area. 11/28/06	Maintain washout area with safety precautions. 11/28/06	NA
	Some materials (structure components, equipment, etc.) are being stored here. These materials are located well away from any resource areas.	Continue to store materials away from resource areas.	NA
Contractor Receiving Yard and Staging Area	Materials are being stored and structures staged in this area. Some stored materials are located within the 100 ft buffer zone from resource areas including one roll-off dumpster and the majority of the equipment and vehicles. 11/28/06	Always use spill control materials when working on equipment and during refueling. Replace as needed. Move dumpster and vehicles to greater than 100-ft from wetland if feasible. 11/28/06	Need attention when feasible.
	One of the re-fueling containers onsite is leaking from a downward facing nozzle. 11/28/06	A holder should be installed on both tanks to keep nozzles upright and to prevent drips. 11/28/06	Needs immediate attention.
North of Contractor Yard Along Rte. 17 And Black Pond	A concrete washout area was set up and had been used regularly. 11/28/06	Remove concrete and continue to use the designated washout areas. 11/28/06	Concrete washout area maintained.
Additional Observations	NA	NA	NA

Next likely scheduled inspection:

Tuesday December 5, 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



Riprap sediment trap and silt fence along the access road off Black Walnut Dr. Accumulated sediment should be removed and the silt fence maintained.



Silt fence, clearing and grading off Arbutus Street.



Erosion controls may need to be extended between the new access road and the pond off Haddam Quarter Rd. to prevent potential 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.



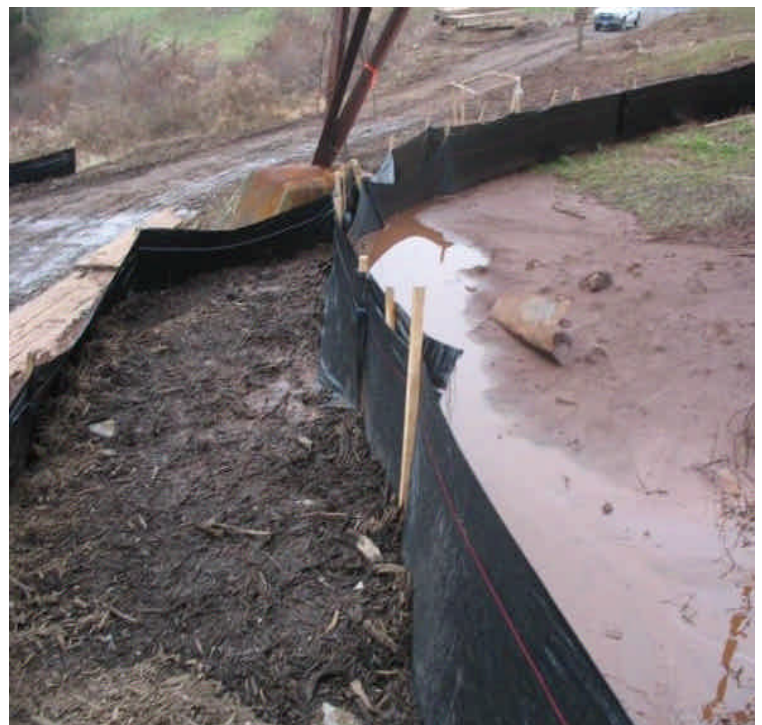
Silt fence should be re-stapled along the pond in the contractors receiving yard. Equipment should be parked/stored as far from wetlands as feasible (100ft if possible).



Pond west of the contractors receiving yard was noticeably turbid. This will be evaluated to determine whether this is an existing/natural condition or if sediment is entering from the yard. A source was not obvious.



Foundation drilling 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 Rte 17. Additional silt fence barriers were added to contain escaping sediment. Sediment is being removed and spread to dry.



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



Pole installation and line work off Little Lane.