

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: December 12, 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 0.02” rain 12/6–12/12 with 0.02” on 12/6 (as reported by NOAA at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	No sediment tracking was noted. 12/12/06	Maintain and clean stone entrance as needed. 12/12/06	Not Applicable (NA)
Oxbow Junction	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. 12/5-12/12/06	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. 12/5-12/12/06	NA.
Haddam Quarter Rd. To Foot Hills Rd.	Mats are in place at the non-jurisdictional isolated wetland. Clear water was flowing off site 12/12/06	See erosion control section for more details. 12/12/06	NA
	Small section of new access road installed towards Arbutus St. Swamp mats are stockpiled. 12/12/06	Pull back stone on roadway as needed. 12/12/06	NA
Arbutus Street	Access road and tracking pad are in place. Road was free of sediment. Catch Basin (CB) inlet protection looks good. 12/12/06	Sweep the roadway and refresh stone as needed. Add to existing controls in CBs as necessary to accommodate drop inlets. 12/12/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Black Walnut Dr.	The roadway was free of sediment. CB inlet and stormwater controls have held up well. 12/12/06	Continue to sweep the roadway as needed. 12/12/06	NA
Black Pond	Stone pad is in place and Route 66 is free of sediment tracking. 12/12/06	Monitor and maintain controls as needed. 12/12/06	NA
ROW, North of Beseck SS	Truck traffic is using the new ROW access connected to the existing Beseck stone entrance. 12/12/06	Monitor and clean/sweep Carpenter Lane as needed. Beseck and 1A contractors will have to work together to maintain Carpenter Lane. 12/12/06	NA
Contractor Receiving Yard and Storage Area	Carpenter Lane contains a small amount of sediment accumulation along the gutter. 12/12/06	Gutters should be swept by hand when feasible to remove sediment 12/12/06	Needs attention when feasible.
North of Contractor Yard Along Rte. 17	No sediment tracking on Rte 17. The stone pad at the site entrance is in good shape. 12/12/06	Maintain tracking pad and sweep roadway if needed. 12/12/06	NA
Little Lane	No sediment tracking noted on Rte. 17. 12/12/06	Continue to monitor Rte. 17 and sweep roadway as needed. 12/12/06	NA
Foundation and site construction	Tracking pad was in place; No sediment tracking noted on the roadway. 12/12/06	Continue to sweep roadway as needed and monitor for any sediment issues on neighboring properties. 12/12/06	NA
Haddam Quarter Rd. to Foot Hills Rd.	No foundations are being installed yet. Only clearing is occurring at this time. 12/12/06	None 12/12/06	NA
Arbutus Street	Only clearing is occurring at this time 12/12/06	None 12/12/06	NA
Black Walnut Dr.	Three new foundations were installed this week. 12/12/06	Concrete washout area was established and used. 12/12/06	NA.
Black Pond	One foundation has been installed and several	Monitor erosion controls, and see dewatering	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>North of Beseck in ROW</p> <p>North of Contractor Yard Along Rte. 17</p> <p>Little Lane</p>	<p>installed and several slurry containment areas were established. 12/12/06</p> <p>Foundation drilling for four new holes is complete. 12/12/06</p> <p>No new work has occurred this week. 12/12/06</p> <p>Four temporary poles are in place. 12/12/06</p>	<p>and see dewatering section 12/12/06</p> <p>Monitor and maintain controls. 12/12/06</p> <p>Monitor controls. See dewatering section for more details. 12/12/06</p> <p>None 12/12/06</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>Arbutus Street</p> <p>Black Walnut Dr.</p> <p>Black Pond</p>	<p>Haybales were in place along the access road entrance near the pond. Controls may still need to be extended to encompass more areas, especially when work resumes here. 11/21-12/12/06</p> <p>Silt fence at the end of the access road looks good. Run-off was filtering through this area. 12/12/06</p> <p>The small isolated wetland in the ROW has mats in place at the crossing. Clear water was flowing through the mats and off site. 12/12/06</p> <p>Silt fence remains in place around work areas. 12/12/06</p> <p>Accumulated sediment is putting stress on a section of silt fence. 11/21-12/12/06</p> <p>Silt fence and bio-socks remain along the slope for containing/filtering</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. 11/21-12/12/06</p> <p>Monitor silt fence and wetlands for sedimentation. None was observed at this time. 12/12/06</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. 11/14-12/12/06</p> <p>Monitor controls and increase if needed. 12/12/06</p> <p>Clean sediment and maintain silt fence as needed. 11/21-12/12/06</p> <p>Monitor controls. Slurry should be thinned or removed to retain the integrity of the controls.</p>	<p>Continue to evaluate; add controls if needed.</p> <p>NA.</p> <p>Needs evaluation, when applicable.</p> <p>NA</p> <p>Needs attention when feasible.</p> <p>Needs attention when feasible.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and sediment controls continued	dewatering runoff. Some of the controls have a heavy accumulation of slurry/sediment. 11/21-12/12/06	integrity of the controls. 11/21-12/12/06	
ROW North of Beseck SS	Small section of silt fence has fallen along the access drive. 12/5-12/12/06	Re-staple fallen section of silt fence. 12/5-12/12/06	Needs repair when feasible.
	Mulch and stone are in place on the access road. Controls above the wetlands along the access road are in good condition. 12/12/06	Continue to monitor controls. 12/12/06	NA
	Silt fence was in place at work areas. No dewatering was required at this time. 12/12/06	Monitor silt fence during drilling and dewatering, if needed. 12/12/06	NA
Contractor Receiving Yard and Storage Area	Sediment remains in the sediment trap at the access road culvert. It was well contained. 12/12/06	Continue to monitor and remove sediment if it starts to accumulate. 12/12/06	NA
	Silt fence/controls should be extended to cover all drainage areas. Small section of silt fence has fallen near the pond west of the site. 11/28-12/12/06	Maintain (and re-staple) silt fence along wetland buffer zone and extend around all drainage areas as needed. 11/28-12/12/06	Needs attention when feasible.
	Soil stockpiles should be stored away from wetlands and catch basins onsite. 12/12/06	Stabilize stockpiles if they will be left for 14 days or more. 12/12/06	NA
North of Contractor Yard Along Rte. 17	Slurry was spread over the site and was mostly dry. Additional silt fence barriers remain in place. 12/12/06	Stabilize exposed areas and monitor for erosion. Sediment can be removed. See dewatering section. 12/12/06	NA
Little Lane	A portion of the buffer zone to the west of the wetland was accidentally cleared several weeks ago. Root stock, remaining vegetation, topography, and mulch continue to	Monitor the area for sedimentation and add controls if needed. Controls do not appear to be necessary at this time. 12/12/06	Monitor and add controls as needed.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	protect the wetland. 12/12/06		
<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. 12/12/06</p> <p>Small isolated wetland finger was crossed using mats. Area does not appear to be jurisdictional. 12/12/06</p> <p>Sedimentation issues were not noted but additional controls may be needed to protect offsite wetlands. 12/12/06</p> <p>Pond adjacent to yard was noticeably turbid. Several drains were noted in the area but no obvious source of turbidity from the yard was identified. 11/28-12/12/06</p>	<p>Continue to monitor wetlands and erosion controls. 12/12/06</p> <p>Caution should be taken not to fuel or store equipment near wetlands. 12/12/06</p> <p>See erosion control section for more details. 12/12/06</p> <p>Evaluate whether this is a pre-existing condition (i.e. algal blooms, or other landowners.) Determine controls necessary and if this is project related. 11/28-12/12/06</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</p> <p>Needs evaluation</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. 12/12/06</p> <p>Potential habitat for wood turtles is noted at Ball Brook in this section. 12/12/06</p>	<p>None. 12/12/06</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until next spring. 12/12/06</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>Vegetative clearing is finished in this area until ACOE permits are obtained. 12/12/06</p> <p>Clearing is complete at this time. 12/12/06</p> <p>Clearing has stopped for 12/12/06</p>	<p>None. 12/12/06</p> <p>Continue to stabilize remaining exposed areas 12/12/06</p> <p>Continue to mulch and 12/12/06</p>	<p>Area is stable.</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Black Pond</p> <p>ROW, north of Beseck SS</p> <p>North of Contractor Yard Along Rte. 17</p> <p>Little Lane</p>	<p>now. 12/12/06</p> <p>Vegetation clearing is complete in this area until ACOE permits are obtained. 12/12/06</p> <p>Most vegetation was cleared from this site, likely because of invasive species. 12/12/06</p> <p>Only a small area has been cleared. 12/12/06</p> <p>Previous clearing accidentally included a section of buffer zone. Most of the vegetation consisted of invasive species and were removed from the area. Area is stable. 12/12/06</p>	<p>monitor exposed areas. 12/12/06</p> <p>Only a small area has been cleared. Continue to monitor controls and exposed areas 12/12/06</p> <p>Continue to monitor cleared areas for erosion and stabilize as needed. Retain vegetation when ever possible. 12/12/06</p> <p>Monitor controls and stabilize disturbed areas. 12/12/06</p> <p>If needed, determine a better system to reduce the likelihood of impacting more buffer zones prior to receiving permits- (i.e. ensure wetlands are surveyed, flagged, and areas shown to crews prior to cutting). 11/28-12/12/06</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>Evaluate and develop protection measures.</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 was not necessary during foundation drilling; mud was drying. 12/12/06</p> <p>Slurry has been spread and is mostly dry. 12/12/06</p> <p>Dewatering controls at Black Pond includes using bio-socks, layers of silt fence, haybales, and mulch. Some of the controls are stressed by heavy accumulation of slurry and are at maximum capacity. 11/21-12/12/06</p> <p>Dewatering will likely return here for future foundation drilling</p>	<p>Monitor area for run-off and consider using silt fence to contain the area, if needed. 11/7-12/12/06</p> <p>Mud should removed or used onsite and stabilized as soon as possible. 12/12/06</p> <p>Monitor controls; remove or spread slurry to reduce the stress on existing controls. Stabilize exposed surfaces as soon as possible. 11/21-12/12/06</p> <p>Ensure that controls are at appropriate capacity before beginning to</p>	<p>NA.</p> <p>Dewatering was contained.</p> <p>Needs attention when feasible</p> <p>NA at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	12/12/06	dewater here. 12/12/06	
Blasting	No blasting is proposed at this time. 12/12/06	None 12/12/06	NA
<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. 12/12/06</p> <p>Concrete washout area is in place with fencing to protect the area. 12/12/06</p> <p>Some materials (structure components, equipment, etc.) are being stored here. These materials are located well away from any resource areas.</p> <p>A small spray pattern of fluid (fuel or hydraulic), was noted on the stone here. This is a non-reportable amount. 12/12/06</p> <p>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 some equipment. 11/28-12/12/06</p> <p>The nozzles at the refueling tanks are now contained within a 5-gallon bucket lined with a spill pad. 12/12/06</p> <p>Two trucks containing refueling containers were located onsite. Both nozzles were placed on the flatbed of the truck. 12/12/06</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 12/12/06</p> <p>Maintain washout area with safety precautions. 12/12/06</p> <p>Continue to store materials away from resource areas.</p> <p>Clean and remove contaminated stone/soil as feasible. Always clean spills as soon as they occur. 12/12/06</p> <p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 12/12/06</p> <p>Move dumpster and stored equipment to greater than 100-ft from wetland if feasible. 12/12/06</p> <p>Monitor and make sure nozzles are being stored after every use. 12/12/06</p> <p>Install the same controls/containment used on the fuel containers in the yard. Monitor for spills/leaks and keep trucks away from wetlands and</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>Needs attention.</p> <p>Need to monitor area and relocate equipment if feasible.</p> <p>Nozzles are contained.</p> <p>Needs attention when feasible.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Black Pond	12/12/06 A concrete washout area was set up and had been used regularly. 12/12/06	away from wetlands and drainage areas. 12/12/06 Continue to use and maintain the designated washout areas. 12/12/06	Concrete washout area maintained.
Additional Observations	NA	NA	NA

Next likely scheduled inspection: **Tuesday December 19, 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

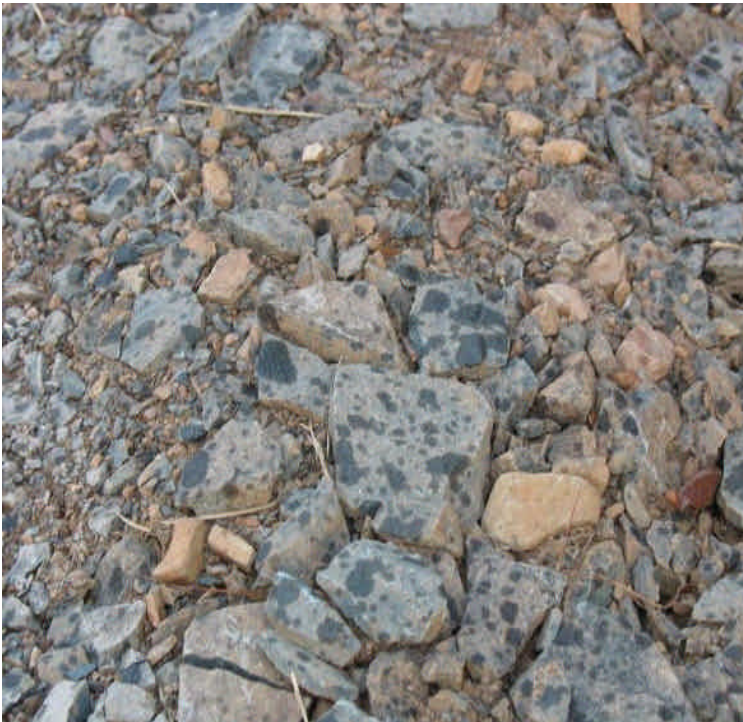
Reviewer: Diana Walden, Stephen Herzog



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



Silt fence, clearing, grading, and access road off Arbutus Street. Pull back stone from the roadway as needed.



Small spill spray located on the access road off Black Walnut Dr. Spill size was non-reportable but clean up as feasible.



Non-jurisdictional wetland crossing area in the access ROW off Haddam Quarter Rd. Mats are in place and clean water was leaving the site.



Nozzles for the fuel tank have been placed inside of 5-gallon buckets with spill controls at the contractor yard. Fire extinguishers were installed



Truck with a portable refueling tank. Nozzle should be contained to prevent spilling. Ensure that spill kits are present on the vehicles.



A stain was noted along the access road to the ROW north of Beseck SS. It is unclear whether this resulted from material storage or an equipment leak. Regardless, the size is non-reportable.



Silt fence/haybale barrier along the access road adjacent to Black Pond used for dewatering slurry. Slurry remains contained.



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. Sediment is being removed and spread, and is mostly dry at this time.



Previous buffer zone clearing off Little Lane, view from the wetland towards the upland. Monitor and add controls if needed; however, roots appear to be keeping soil stable.



ROW entrance off Little Lane. No sediment tracking was noted.