

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 26, 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 1.87” rain between 12/19–12/26 with 1.15” recorded on 12/23 (as reported by NOAA at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways			
Oxbow Junction	No sediment tracking was noted. 12/26/06	Maintain and clean stone entrance as needed. 12/26/06	Not Applicable (NA)
Haddam Quarter Rd. To Foot Hills Rd.	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. 12/5-12/26/06	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. 12/5-12/26/06	NA
	Clear water was flowing off site at the non-jurisdictional isolated wetland, but some sediment tracking was noted on the timber mats. 12/26/06	Reduce sediment tracking on the mats as feasible to avoid run-off to the wetland. 12/26/06	NA
Arbutus Street	Small section of access road is in place towards Arbutus St. Swamp mats are stockpiled. 12/26/06	Pull back stone on roadway as needed. 12/26/06	NA
Black Walnut Dr.	Access road and tracking pad are in place. Road	Sweep the roadway and refresh stone as needed.	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Access roads and adjacent roadways (continued)</p>	<p>was free of sediment. Catch basin (CB) inlet protections looked secure. 12/26/06</p>	<p>Add to existing controls in CBs as necessary to accommodate drop inlets. 12/26/06</p>	
<p>Black Pond</p>	<p>Stone pad is in place, Route 66 was free of sediment. 12/26/06</p>	<p>Monitor and maintain controls as needed. See erosion control section for more detail. 12/26/06</p>	<p>Route 66 was free of sediment.</p>
<p>ROW, North of Beseck SS</p>	<p>Truck traffic is using the new ROW access connected to the existing Beseck stone entrance. 12/26/06</p>	<p>Monitor and clean/sweep Carpenter Lane as needed. Beseck and 1A contractors should cooperate to maintain Carpenter Lane. 12/26/06</p>	<p>NA</p>
	<p>Carpenter Lane had sediment accumulation along the gutters and turbid water flowing from the entrance pad. 12/26/06</p>	<p>Gutters should be swept by hand to remove sediment. Improvements should be made to retain all sediment on site. 12/26/06</p>	<p>Needs attention.</p>
<p>Contractor Receiving Yard and Storage Area And North of Contractor Yard Along Rte. 17</p>	<p>No sediment tracking on Rte 17. The stone pad at the site entrance is in good shape. 12/26/06</p>	<p>Maintain tracking pad and sweep roadway if needed. 12/26/06</p>	<p>NA</p>
<p>Little Lane</p>	<p>Tracking pad was in place; No sediment tracking noted on the roadway. 12/26/06</p>	<p>Continue to sweep roadway as needed and monitor for any sediment issues on neighboring properties. 12/26/06</p>	<p>NA</p>
<p>Powder Hill Rd.</p>	<p>Sediment tracking issues were not observed on Powder Hill Rd. 12/26/06</p> <p>Timber mats and silt fence were installed along the existing access road at the edge of a small pond and through a small section of wetlands. Water flowing off site was free of sediment. 12/26/06</p>	<p>Maintain controls and sweep Powder Hill Rd. as needed. 12/26/06</p> <p>These activities were defined as maintenance to the existing access road. However, the remainder of the access road work will not be addressed until ACOE permits are obtained. 12/26/06</p>	<p>Roadway was free of sediment.</p> <p>NA.</p>
<p>Foundation and site construction</p> <p>Haddam Quarter Rd. to Foot Hills Rd.</p>	<p>Only clearing is occurring at this time. 12/26/06</p>	<p>None. 12/26/06</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Arbutus Street</p> <p>Black Walnut Dr.</p> <p>Black Pond</p> <p>North of Beseck in ROW</p> <p>North of Contractor Yard Along Rte. 17</p> <p>Little Lane</p> <p>Powder Hill Rd.</p>	<p>at this time. 12/26/06</p> <p>Only clearing is occurring at this time 12/26/06</p> <p>A number of foundations are in place. 12/26/06</p> <p>Several slurry containment areas were established and improvements were made. 12/26/06</p> <p>Concrete washout area cleaned, old concrete removed. 12/26/06</p> <p>Four foundations have been installed. A new concrete washout area established; an old area was removed. 12/26/06</p> <p>No new work has occurred this week. 12/26/06</p> <p>Four temporary poles are in place. 12/26/06</p> <p>Only clearing and road construction at this time. 12/26/06</p>	<p>None. 12/26/06</p> <p>Concrete washout area was established and used. 12/26/06</p> <p>Monitor and add controls as needed; see erosion controls section. 12/26/06</p> <p>Continue to maintain during construction. 12/26/06</p> <p>Monitor and maintain controls and concrete washout areas. 12/26/06</p> <p>Monitor controls. See dewatering section for more details. 12/26/06</p> <p>None 12/26/06</p> <p>None 12/26/06</p>	<p>NA</p> <p>NA</p> <p>Slurry was removed from controls.</p> <p>Concrete was removed from washout area.</p> <p>Old concrete washout areas were cleaned.</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>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. 11/21-12/26/06</p> <p>Silt fence at the end of the access road looked secure. Run-off was flowing through this area. 12/26/06</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. 11/21-12/26/06</p> <p>Monitor silt fence and wetlands for sediment. 12/26/06</p>	<p>Continue to evaluate.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Erosion and sediment controls (continued)	The small isolated wetland in the ROW has mats in place at the crossing. 12/26/06	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. 11/14-12/26/06	Needs evaluation, when applicable.
Arbutus Street	Silt fence remains in place around work areas. 12/26/06	Monitor controls and increase if needed. 12/26/06	NA
Black Walnut Dr.	Accumulated sediment is putting stress on a section of silt fence. 11/21-12/26/06	Clean sediment and maintain silt fence as needed. 11/21-12/26/06	Needs attention.
Black Pond	Dewatering slurry has been pulled back from the filter-socks and silt fence and spread around the site to reduce stress on the controls. Hay mulch was placed around the site for additional, temporary stabilization of exposed surfaces. 12/26/06	Monitor and maintain controls. Continue to remove and spread slurry, and provide adequate containment, especially adjacent to sensitive areas such as wetlands. 12/26/06	Stress on the controls was reduced, slurry was spread out, and the area was mulched.
ROW North of Beseck SS	Some of the sediment that had reached the wetland last week had been removed. 12/26/06	Monitor closely and continue to remove sediment from the wetland as needed. 12/26/06	It appears some sediment was removed; continue to evaluate.
	Mulch and stone are in place on the access road. Controls above the wetlands road are in good condition. 12/26/06	Continue to monitor controls. 12/26/06	NA
	Silt fence was in place at work areas. No dewatering was required. 12/26/06	Monitor silt fence during drilling and dewatering, if needed. 12/26/06	NA
	Turbid water remains in the sediment trap at the access road culvert. It appeared well contained. 12/26/06	Continue to monitor and remove sediment if it starts to accumulate. 12/26/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Contractor Receiving Yard and Storage Area</p> <p>Erosion and sediment controls (continued)</p> <p>North of Contractor Yard Along Rte. 17</p> <p>Little Lane</p> <p>Powder Hill Rd.</p>	<p>Silt fence/controls should be extended to cover all drainage areas. Small section of silt fence has been fixed near the pond west of the site. 12/26/06</p> <p>Soil stockpiles should be stored away from wetlands and catch basins onsite. 12/26/06</p> <p>With several days of rain, suspended sediment has increased in the pond west of the site. A direct source is still not apparent. 12/26/06</p> <p>Turbid stormwater was contained within the ponding area created for dewatering. 12/26/06</p> <p>Roots, remaining vegetation, mulch, and level topography continue to protect the wetland in this area. 12/26/06</p> <p>Silt fence and timber mats were installed along the existing access road through a portion of wetland and past a pond. Clear water was flowing through the wetland to the pond. 12/26/06</p>	<p>Maintain silt fence along wetland buffer zone and extend around all drainage areas as needed. 12/26/06</p> <p>Stabilize stockpiles if they will be left for 14 days or more. 12/26/06</p> <p>Continue to investigate to determine source of sediment, and add controls where needed. 12/26/06</p> <p>Continue to stabilize adjacent exposed soils and maintain controls. 12/26/06</p> <p>Monitor the area for sedimentation and add controls if needed. Controls do not appear to be necessary at this time. 12/26/06</p> <p>The mats and silt fence were installed very well. Controls should be monitored and maintained regularly. 12/26/06</p>	<p>Silt fence was repaired.</p> <p>NA</p> <p>Needs evaluation and attention.</p> <p>NA</p> <p>NA</p> <p>NA.</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 will not be accessed until the ACOE permit is in hand. 12/26/06</p> <p>Sedimentation issues were not noted but additional controls may be needed to protect offsite wetlands. 12/26/06</p> <p>The pond adjacent to yard has increased</p>	<p>Continue to monitor wetlands and erosion controls. 12/26/06</p> <p>Caution should be taken not to fuel or store equipment near any wetlands. 12/26/06</p> <p>Find the source of the turbidity and determine</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Black Pond</p> <p>Powder Hill Rd.</p>	<p>turbidity levels following the rain. 12/26/06 An obvious source of the turbidity was still not apparent or identified. 11/28-12/26/06</p> <p>Some of the dewatering slurry that had reached the wetland has been removed. Erosion controls have been maintained. 12/26/06</p> <p>Timber mats were installed along an existing access road through a small section of wetlands. Water flowing off site was free of sediment. 12/26/06</p>	<p>whether this is project-related. Add controls as necessary. 11/28-12/26/06</p> <p>See erosion controls section for more details. 12/26/06</p> <p>These activities were defined as maintenance. However, the remainder of the access road work will not be addressed until ACOE permits are obtained. 12/26/06</p>	<p>Some sediment was removed; continue evaluation.</p> <p>NA.</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. 12/26/06</p> <p>Potential habitat for wood turtles exists at Ball Brook in this section. 12/26/06</p>	<p>None. 12/26/06</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until spring. 12/26/06</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p> <p>Oxbow Junction</p> <p>ROW, North of Beseck SS and Little Lane</p> <p>Powder Hill Rd.</p>	<p>Vegetative clearing is complete at Oxbow Junction, Haddam Quarter Rd, Arbutus St, and Black Pond until ACOE permits are obtained. 12/26/06</p> <p>Most vegetation was cleared from these sites, likely because of invasive species. 12/26/06</p> <p>Only access road improvement is occurring within the existing access road footprint. 12/26/06</p>	<p>Continue to stabilize and monitor remaining exposed areas. 12/26/06</p> <p>Continue to monitor cleared areas for erosion and stabilize as needed. Retain vegetation when ever possible. 12/26/06</p> <p>Continue to monitor area and add controls along the wetlands as needed. 12/26/06</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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 recent foundation drillings; mud was drying. 12/26/06</p> <p>Slurry has been spread and is dry. 12/26/06</p> <p>Dewatering controls in use at Black Pond include filter-socks, rows of silt fence, haybales, and mulch. The accumulation of slurry that was overwhelming the controls has been pulled back and spread thinly around the site in some areas. 12/26/06</p> <p>Some sediment has also been removed from the wetlands. 12/26/06</p>	<p>Monitor area for run-off and consider using silt fence to contain the area, if needed. 11/7-12/26/06</p> <p>Mud should be removed or used onsite and stabilized as soon as possible. 12/26/06</p> <p>Monitor controls; continue to remove or spread slurry to reduce the stress on existing controls and continue to stabilize exposed surfaces as needed. 12/26/06</p> <p>Add controls as necessary and continue to remove sediment from wetlands as needed. 12/26/06</p>	<p>NA</p> <p>NA.</p> <p>Slurry was removed from controls.</p> <p>Some sediment was removed; continue to evaluate.</p>
<p>Blasting</p>	<p>No blasting is proposed. 12/26/06</p>	<p>None 12/26/06</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>Spills, soils and material storage (continued)</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. 12/26/06</p> <p>Concrete washout area is in place with fencing to protect the area. 12/26/06</p> <p>Some materials (structure components, equipment, etc.) are being stored here. These materials are located well away from any wetland resource areas.</p> <p>Materials are being stored and structures staged in this area. Fuel tanks and roll-off dumpster have</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. 12/26/06</p> <p>Maintain washout area with safety precautions. 12/26/06</p> <p>Continue to store materials away from resource areas.</p> <p>Always use spill control materials when working on equipment and during refueling. Replace as</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>Roll-off dumpster and tanks moved away from wetlands.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Black Pond</p> <p>ROW, North of Beseck SS</p>	<p>been moved to a different location within the yard, both are now greater than 100 feet from wetlands. 12/26/06</p> <p>The nozzles at the refueling tanks were not stored in a controlled manner as they had been previously. 12/26/06</p> <p>Two trucks containing refueling containers were located onsite. One nozzle was placed in a 5-gallon bucket with spill pad. The other nozzle was locked in a holster. 12/26/06</p> <p>A concrete washout area was set up and old concrete has been removed. 12/26/06</p> <p>Concrete washout areas have been set up along the ROW as needed and old washouts are being cleaned and removed as work continues along the ROW. 12/26/06</p>	<p>needed. Continue to locate hazardous materials and equipment away from wetlands when possible. 12/26/06</p> <p>Make sure nozzles are being properly stored after every use – in the buckets with spill protection. 12/26/06</p> <p>Monitor for spills/ leaks and keep fueling trucks away from wetlands and drainage areas. 12/26/06</p> <p>Continue to use and maintain the designated washout areas. 12/26/06</p> <p>Continue to use and maintain the designated washout areas. 12/26/06</p>	<p>Needs attention.</p> <p>Nozzles appeared contained.</p> <p>Concrete washout area maintained.</p> <p>Concrete washout area maintained.</p>
<p>Additional Observations</p>	<p>NA</p>	<p>NA</p>	<p>NA</p>

Next likely scheduled inspection: Tuesday January 2, 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

Reviewer: Diana Walden, Stephen Herzog



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



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



ROW access road and foundations in place off Black Walnut Dr.



Non-jurisdictional wetland crossing area in the access ROW off Haddam Quarter Rd. Mats are in place and clean water was leaving the site. Reduce sediment tracking on the mat as feasible.



Fuel tanks and dumpster were moved farther from the wetland; controls for the fuel tank nozzles should be reinstalled.



Turbidity in the pond adjacent to the contractor shipping and receiving yard has increased but a direct source is still not apparent.



Foundations installed within the ROW north of Beseck SS. Controls are in place.



Silt fence/filter-sock barrier along the access road adjacent to Black Pond used for dewatering slurry. Slurry has been pulled back from the controls and spread around the site.



Slurry was pulled back from the edge of the silt fence at Black Pond and new haybales were installed. Mulch has been spread around the site for increased, temporary stabilization.



Slurry containment areas located in the ROW north of the contractor yard along Rte 17. Sediment was removed and stormwater contained.



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



Silt fence and timber mat installation along an existing access road off Powder Hill Rd. The installation follows an existing road through a wetland and was determined to be maintenance by the contractor. Silt fence protects an existing pond adjacent to the access road.