

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: January 2, 2007

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 1.29” rain recorded on 1/1/07. This was the total amount reported since the previous inspection. (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. 1/2/07	Maintain and clean stone entrance as needed. 1/2/07	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. 12/5/06-1/2/07	Continue to add controls where needed, i.e. mulch, check dams, silt fence, to control sediment and prevent erosion. Clean roadway as needed. 12/5/06-1/2/07	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 new access road installed off Johnson Ln., Swamp mats are stockpiled. 1/2/07	Pull back stone from roadway as needed. 1/2/07	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
Access roads and adjacent roadways (continued)	was free of sediment. Catch basin (CB) inlet protections looked secure. 1/2/07	Add to existing controls in CBs as necessary to accommodate drop inlets. 1/2/07	
Black Pond	Stone pad is in place, Route 66 was free of sediment. 1/2/07	Monitor and maintain controls as needed. See erosion control section for more detail. 1/2/07	NA
ROW, North of Beseck SS	Truck traffic is using the new ROW access connected to the existing Beseck stone entrance. 1/2/07	Monitor and clean/sweep Carpenter Lane as needed. Beseck and 1A contractors should cooperate to maintain Carpenter Lane. 1/2/07	NA
	Carpenter Lane contains sediment accumulation along the gutters and sediment-filled water was leaving the entrance pad. 12/26/06-1/2/07	Gutters should be swept by hand when feasible to remove sediment. Improvements should be made to retain all sediment on site. 12/26/06-1/2/07	Needs attention.
Contractor Receiving Yard and Storage Area And North of Contractor Yard Along Rte. 17	No sediment tracking on Rte 17. The stone pad at the site entrance is in good shape. 1/2/07	Maintain tracking pad and sweep roadway if needed. 1/2/07	NA
Little Lane	Tracking pad was in place; No sediment tracking noted on the roadway. 1/2/07	Continue to sweep roadway as needed and monitor for any sediment issues. 1/2/07	NA
Powder Hill Rd.	Timber mats and silt fence are in place 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 but one saturated spot had some sediment buildup on the mat. Powder Hill Rd. was free of sediment. 1/2/07	These activities were defined as maintenance to the existing access road. However, access road work is complete until ACOE permits are obtained. 1/2/07 Maintain controls and sweep Powder Hill Rd. as needed. 1/2/07	NA NA
Foundation and site construction Haddam Quarter Rd. to	Only clearing is occurring at this time. 1/2/07	None. 1/2/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Foot Hills Rd.</p> <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>Only access road construction is occurring at this time 1/2/07</p> <p>A number of foundations are in place. 1/2/07</p> <p>Improvements were made to the slurry containment areas. No new work noted. 1/2/07</p> <p>Foundation drilling complete is complete in the area. No new work noted. 1/2/07</p> <p>No new work has occurred in this area for several weeks. 1/2/07</p> <p>Four temporary poles are in place. 1/2/07</p> <p>Only clearing and road construction are occurring. 1/2/07</p>	<p>None. 1/2/07</p> <p>Concrete washout area was established and used. 1/2/07</p> <p>Monitor and add erosion controls as needed; see erosion controls section. 1/2/07</p> <p>Monitor and maintain controls and concrete washout areas. 1/2/07</p> <p>Monitor controls. See dewatering section for more details. 1/2/07</p> <p>None. 1/2/07</p> <p>None. 1/2/07</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA.</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>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 and near the isolated wetland. 11/21/06-1/2/07</p> <p>Silt fence at the end of the access road looked secure. Run-off was flowing through this area. 1/2/07</p> <p>Silt fence remains in place around work areas. 1/2/07</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. 11/21/06-1/2/07</p> <p>Monitor silt fence and wetlands for sediment. 1/2/07</p> <p>Monitor controls and increase if needed. 1/2/07</p>	<p>Continue to evaluate.</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Black Walnut Dr.</p> <p>Black Pond</p> <p>ROW North of Beseck SS</p> <p>Contractor Receiving Yard and Storage Area</p>	<p>Silt fence at the end of the access road looked secure. Run-off was flowing through this area. 1/2/07</p>	<p>Monitor silt fence and wetlands for sediment. 1/2/07</p>	<p>NA</p>
	<p>Silt fence remains in place around work areas. 1/2/07</p>	<p>Monitor controls and increase if needed. 1/2/07</p>	<p>NA</p>
	<p>Accumulated sediment is putting stress on a section of silt fence. 11/21/06-1/2/07</p>	<p>Clean sediment and maintain silt fence as needed. 11/21/06-1/2/07</p>	<p>Needs attention.</p>
	<p>Dewatering slurry has been spread around the site to reduce stress on the controls. Mulch is in place around the site for additional, temporary stabilization of exposed surfaces. 1/2/07</p>	<p>Monitor controls. Continue to remove and spread slurry, and provide adequate containment, especially adjacent to sensitive areas such as wetlands 1/2/07</p>	<p>Monitor and add controls as needed.</p>
	<p>Some of the sediment that had reached the wetland several weeks ago had been removed. 1/2/07</p>	<p>Monitor closely and continue to remove sediment from the wetland as needed. 1/2/07</p>	<p>It appears some sediment was removed; continue to evaluate.</p>
	<p>Mulch and stone are in place on the access road. Controls above the wetlands road are in good condition. 1/2/07</p>	<p>Continue to monitor controls. 1/2/07</p>	<p>NA</p>
	<p>Silt fence was in place at work areas. No dewatering has been required. 1/2/07</p>	<p>Monitor silt fence during drilling and dewatering, if needed. 1/2/07</p>	<p>NA</p>
	<p>Minor sediment was contained at the access road culvert and riprap trap. 1/2/07</p>	<p>Continue to monitor and remove sediment if it starts to accumulate. 1/2/07</p>	<p>NA</p>
	<p>Silt fence/controls should be extended to cover all drainage areas. 1/2/07</p>	<p>Maintain silt fence along wetland buffer zone and extend around all drainage areas as needed. 1/2/07</p>	<p>Needs attention/evaluation as feasible.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
North of Contractor Yard Along Rte. 17	Silt fence at the end of the access road looked secure. Run-off was flowing through this area. 1/2/07	Monitor silt fence and wetlands for sediment. 1/2/07	NA
Little Lane	Silt fence remains in place around work areas. 1/2/07	Monitor controls and increase if needed. 1/2/07	NA
Powder Hill Rd.	Accumulated sediment is putting stress on a section of silt fence. 11/21/06-1/2/07	Clean sediment and maintain silt fence as needed. 11/21/06-1/2/07	Needs attention.
	Dewatering slurry has been spread around the site to reduce stress on the controls. Mulch is in place around the site for additional, temporary stabilization of exposed surfaces. 1/2/07	Monitor controls. Continue to remove and spread slurry, and provide adequate containment, especially adjacent to sensitive areas such as wetlands 1/2/07	Monitor and add controls as needed.
	Some of the sediment that had reached the wetland several weeks ago had been removed. 1/2/07	Monitor closely and continue to remove sediment from the wetland as needed. 1/2/07	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. 1/2/07	Continue to monitor controls. 1/2/07	NA
	Silt fence was in place at work areas. No dewatering has been required. 1/2/07	Monitor silt fence during drilling and dewatering, if needed. 1/2/07	NA
	Minor sediment was contained at the access road culvert and riprap trap. 1/2/07	Continue to monitor and remove sediment if it starts to accumulate. 1/2/07	NA
	Silt fence/controls should be extended to cover all drainage areas. 1/2/07	Maintain silt fence along wetland buffer zone and extend around all drainage areas as needed. 1/2/07	Needs attention/evaluation as feasible.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	<p>Soil should be stockpiled away from wetlands and catch basins. 1/2/07</p> <p>With recent heavy rains, suspended sediment has increased in the pond west of the site. A direct source is still not apparent. 1/2/07</p> <p>Turbid stormwater was contained within the ponding area created for dewatering. 1/2/07</p> <p>Roots, remaining vegetation, mulch, and level topography continue to protect the wetland in this area. 1/2/07</p> <p>Silt fence and timber mats are in place along the existing access road through a portion of wetland and past a pond. Clear water was flowing through the wetland to the pond. 1/2/07</p>	<p>Stabilize stockpiles if they will be left for 14 days or more. 1/2/07</p> <p>Continue to monitor to determine source of sediment, add controls as needed. 1/2/07</p> <p>Continue to stabilize exposed areas and monitor for erosion. See dewatering section. 1/2/07</p> <p>Monitor the area for sedimentation and add controls if needed. Controls do not appear to be necessary at this time. 1/2/07</p> <p>Controls should be monitored and maintained regularly. 1/2/07</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. 1/2/07</p> <p>Sedimentation issues were not noted but additional controls may be needed to protect offsite and isolated wetlands when work resumes. 1/2/07</p> <p>The pond adjacent to yard has increased turbidity levels following the rains. 12/26/06-1/2/07 An obvious source of the turbidity was still not</p>	<p>Continue to monitor wetlands and erosion controls. 1/2/07</p> <p>Caution should be taken not to fuel or store equipment near any wetlands. 1/2/07</p> <p>Find the source of the turbidity and determine whether this is project-related. Add controls as necessary. 11/28/06-1/2/07</p>	<p>NA</p> <p>NA</p> <p>Needs evaluation</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Powder Hill Rd.	<p>apparent or identified. 11/28/06-1/2/07</p> <p>Timber mats are in place along an existing access road through a small section of wetlands. Water flowing off site was free of sediment. 1/2/07</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. 1/2/07</p>	NA.
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. 1/2/07</p> <p>Potential habitat for wood turtles exists at Ball Brook in this section. 1/2/07</p>	<p>None. 1/2/07</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until spring 1/2/07</p>	NA NA
<p>Vegetative clearing or stabilization</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. 1/2/07</p> <p>Only access road improvement is occurring within the existing access road footprint. 1/2/07</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. 1/2/07</p> <p>Continue to monitor area and add controls along the wetlands as needed. 1/2/07</p>	NA NA NA
<p>Dewatering</p> <p>Black Walnut Dr</p> <p>North of PAR Receiving Yard Along Rte. 17</p>	<p>Dewatering was not necessary during recent foundation drillings; mud was drying. 1/2/07</p> <p>Slurry has been spread and is dry. Turbid stormwater remains contained in the controls 1/2/07</p>	<p>Monitor area for run-off and consider using silt fence to contain the area, if needed. 11/7/06-1/2/07</p> <p>Mud should be removed or used onsite and stabilized as soon as possible. 1/2/07</p>	NA NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Black Pond	Dewatering controls in use at Black Pond include filter-socks, rows of silt fence, haybales, and mulch. The accumulation of slurry is now spread thinly around the site in some areas. 1/2/07	Monitor controls; continue to remove or spread slurry to reduce the stress on existing controls and continue to stabilize exposed surfaces as needed. 1/2/07	NA
Blasting	No blasting is proposed. 1/2/07	None 1/2/07	NA
Spills, soils and material storage Black Walnut Dr. Contractor Receiving Yard and Staging Area Black Pond and ROW North of Beseck SS	Spill controls move from site to site with the equipment. 1/2/07 Concrete washout area is in place with fencing to protect the area. 1/2/07 Some materials (structure components, equipment, etc.) are being stored here, well away from any wetland resource areas. Materials are being stored and structures staged in this area. Fuel tanks and roll-off dumpster are both greater than 100 feet from wetlands. 1/2/07 One refueling tank nozzle was left hanging over the top of the fuel tank; the other was placed in a 5-gallon bucket with spill controls. 1/2/07 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. 1/2/07	Always use spill control materials when working on equipment and during refueling. Replace as needed. 1/2/07 Maintain washout area with safety precautions. 1/2/07 Continue to store materials away from resource areas. Always use spill control materials when working on equipment and during refueling. Continue to locate hazardous materials and equipment away from wetlands when possible. 1/2/07 Make sure all fuel nozzles are being properly stored after every use – in buckets with spill protection. 1/2/07 Continue to use and maintain the designated washout areas. 1/2/07	NA NA NA NA Nozzles are partially controlled. NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Additional Observations	NA	NA	NA

Next likely scheduled inspection: Tuesday January 9, 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 repaired.



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



ROW access road off Black Walnut Dr.



Access road off Haddam Quarter Rd. Clean water was leaving the site.



Fuel tanks and dumpster moved, controls for nozzles were partially reinstalled.



Turbidity in the pond adjacent to the contractor receiving yard has increased. A direct source is still being investigated.



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



Silt fence/bio-sock barrier along the access road adjacent to Black Pond used for dewatering slurry. Slurry has been spread around the site.



View of the new haybales and silt fence at Black Pond. Mulch is in place around the site for increased stabilization.



Slurry containment areas located in the ROW north of the contractor yard along Rte 17. Stormwater remains contained in the basin.



Sediment buildup along the timber mats crossing at a saturated spot in the wetlands located off Powder Hill Rd. Monitor controls and stabilize mats as necessary.



Silt fence and timber mats are in place along the access road off Powder Hill Rd. Access road follows an existing road through a wetland; silt fence protects a pond adjacent to the access road.