

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 19, 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 0.19” rain between 12/12–12/19 with 0.18” on 12/13 (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. 12/19/06	Maintain and clean stone entrance as needed. 12/19/06	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. 12/5-12/19/06	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. 12/5-12/19/06	NA
Arbutus Street	Small section of new access road installed towards Arbutus St. Swamp mats are stockpiled. 12/19/06	Pull back stone on roadway as needed. 12/19/06	NA
Black Walnut Dr.	Road was free of sediment. Catch Basin (CB) inlet protection looked secure. 12/19/06	Sweep the roadway and refresh stone as needed. Add to existing controls in CBs as necessary to accommodate drop inlets. 12/19/06	NA
Black Pond	The roadway was free of sediment. CB inlet and stormwater controls have	Continue to sweep the roadway as needed. 12/19/06	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>ROW, North of Beseck SS</p> <p>Contractor Receiving Yard and Storage Area and North of Contractor Yard Along Rte. 17</p> <p>Little Lane</p> <p>Powder Hill Rd.</p>	<p>held up well. 12/19/06</p> <p>Stone access pad is in place, Route 66 was being swept during the inspection. 12/19/06</p> <p>Truck traffic is using the new ROW access connected to the existing Beseck stone entrance. 12/19/06</p> <p>Carpenter Lane contains some sediment accumulation along the gutter. 12/12-12/19/06</p> <p>No sediment tracking on Rte 17. The stone pad at the site entrance is in good shape. 12/19/06</p> <p>Tracking pad was in place; No sediment tracking noted on the roadway. 12/19/06</p> <p>Access road construction was underway. Timber mats and silt fence were being installed during the inspection. Some sediment tracking was noted on the roadway due to equipment delivery. 12/19/06</p>	<p>Monitor and maintain controls as needed. See erosion control section for more detail. 12/19/06</p> <p>Monitor and sweep Carpenter Lane as needed. Beseck and 1A contractors will have to work together to maintain Carpenter Lane. 12/19/06</p> <p>Gutters should be swept by hand when feasible to remove sediment 12/12-12/19/06</p> <p>Maintain tracking pad and sweep roadway (Rt 17) if needed. 12/19/06</p> <p>Continue to sweep roadway as needed and monitor for any sediment issues on neighboring properties. 12/19/06</p> <p>Maintain controls as needed. Sweep Powder Hill Rd. as needed. 12/19/06</p>	<p>Route 66 was being swept during the inspection.</p> <p>NA</p> <p>Needs attention when feasible.</p> <p>NA</p> <p>NA</p> <p>Roadway should be swept as needed.</p>
<p>Foundation and site construction</p> <p>Haddam Quarter Rd. to Foot Hills Rd.</p> <p>Arbutus Street</p> <p>Black Walnut Dr.</p>	<p>Only clearing is occurring at this time. 12/19/06</p> <p>Only clearing is occurring at this time 12/19/06</p> <p>Eight foundations have been installed, concrete washout established. 12/19/06</p>	<p>None 12/19/06</p> <p>None 12/19/06</p> <p>Concrete washout area was established and used. 12/19/06</p>	<p>NA</p> <p>NA</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<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>12/19/06</p> <p>Second foundation has been installed but dewatering containment areas have been overwhelmed. 12/19/06</p> <p>Foundation drilling for four new holes is complete. Northern foundation has been installed. Concrete washout established. 12/19/06</p> <p>No new work has occurred this week. 12/19/06</p> <p>No new work has occurred this week. 12/19/06</p> <p>Only clearing and road construction were occurring at this time. 12/19/06</p>	<p>See erosion control section. 12/19/06</p> <p>Monitor and maintain controls. Concrete washout area was established and used. 12/19/06</p> <p>Monitor controls. See dewatering section for more details. 12/19/06</p> <p>None 12/19/06</p> <p>None 12/19/06</p>	<p>Needs attention.</p> <p>Concrete washout area was established.</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. Controls may still need to be extended to encompass more areas, especially when work resumes here. 11/21-12/19/06</p> <p>The small isolated wetland in the ROW has mats in place at the crossing. 12/19/06</p> <p>Silt fence remains in place around work areas. 12/19/06</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. 11/21-12/19/06</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. 11/14-12/19/06</p> <p>Monitor controls and increase if needed. 12/19/06</p>	<p>Continue to evaluate; add controls if needed.</p> <p>Needs evaluation, when applicable.</p> <p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Black Walnut Dr.	Accumulated sediment is putting stress on a section of silt fence. 11/21-12/19/06	Clean sediment and maintain silt fence as needed. 11/21-12/19/06	Needs attention when feasible.
Black Pond	More silt fence and filter socks were installed along the slope for containing/ filtering slurry from dewatering. However, the sediment has overwhelmed some controls and the accumulation is stressing the remaining areas. Some of the turbid water and sediment have flowed beyond the fence and into the adjacent wetland. 12/19/06	Less severe sediment accumulation was noted against the controls since 11/21/06 Additional/alternative controls are now needed. Sediment accumulation needs to be spread out to dry and completely contained. Sediment should be removed carefully from the wetland by hand. 12/19/06	Needs attention.
ROW North of Beseck SS	A small section of silt fence fallen along the access drive was repaired. 12/19/06 Silt fence was in place at work areas. No dewatering was required at this time. 12/19/06	Continue to monitor and maintain controls. 12/19/06 Monitor silt fence during drilling and dewatering, if needed. 12/19/06	Silt fence repaired. NA
Contractor Receiving Yard and Storage Area	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. 11/28-12/19/06 Soil stockpiles should be stored away from wetlands and catch basins onsite. 12/19/06	Maintain (and re-staple) silt fence along wetland buffer zone and extend around all drainage areas as needed. 11/28-12/19/06 Stabilize stockpiles if they will be left for 14 days or more. 12/19/06	Needs attention when feasible. 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. 12/19/06	Stabilize exposed areas and monitor for erosion. Sediment can be removed. See dewatering section. 12/19/06	NA
Little Lane	Roots, remaining vegetation, mulch, and level topography continue to protect the wetland in this area	Monitor the area for sedimentation and add controls if needed. Controls do not appear to be necessary at this time	Monitor and add controls as needed.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Powder Hill Rd.	<p>wetland in this area. 12/19/06</p> <p>Erosion controls and mats were being installed along the new access road during the inspection. 12/19/06</p>	<p>be necessary at this time. 12/19/06</p> <p>Controls will be needed above the stream onsite. 12/19/06</p>	<p>Controls were being installed during inspection.</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>Black Pond</p>	<p>Jurisdictional wetland areas will not be accessed until the ACOE permit is in hand. 12/19/06</p> <p>Sedimentation issues were not noted but additional controls may be needed to protect offsite wetlands. 12/19/06</p> <p>Pond adjacent to yard was slightly turbid. Several drains were noted in the area but no obvious source of turbidity from the yard was identified. 11/28-12/19/06</p> <p>Some turbid water and slurry from dewatering had overwhelmed controls and flowed into the adjacent wetland. 12/19/06</p>	<p>Continue to monitor wetlands and erosion controls. 12/19/06</p> <p>Caution should be taken not to fuel or store equipment near wetlands. See erosion control section for more details. 12/19/06</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. 11/28-12/19/06</p> <p>Accumulated sediment may need to be removed by hand if feasible. See erosion controls section for more details. 12/19/06</p>	<p>NA</p> <p>NA at this time</p> <p>Needs evaluation</p> <p>Needs evaluation and attention.</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. 12/19/06</p> <p>Potential habitat for wood turtles is noted at Ball Brook in this section. 12/19/06</p>	<p>None. 12/19/06</p> <p>Nov. 1 is the start of the dormant season; contractors will not require training for mitigation until next spring 12/19/06</p>	<p>NA</p> <p>NA</p>
<p>Vegetative clearing or stabilization</p> <p>Oxbow Junction</p>	<p>Vegetative clearing is finished in this area until ACOE permits are obtained. 12/19/06</p>	<p>None. 12/19/06</p>	<p>NA</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Haddam Quarter Rd. To Foot Hills Rd.	Clearing is complete at this time. 12/19/06	Continue to stabilize remaining exposed areas 12/19/06	NA
Arbutus Street	Additional clearing was not noted. 12/19/06	Continue to mulch and monitor exposed areas. 12/19/06	NA
Black Pond	Vegetation clearing is complete in this area until ACOE permits are obtained. 12/19/06	Only a small area has been cleared. Continue to monitor controls and exposed areas 12/19/06	NA
ROW, north of Beseck SS	Clearing is complete at this time. 12/19/06	Continue to monitor cleared areas for erosion and stabilize as needed. Retain vegetation whenever possible. 12/19/06	NA
North of Contractor Yard Along Rte. 17	Only a small area has been cleared at this time. 12/19/06	Monitor controls and stabilize disturbed areas. 12/19/06	NA
Little Lane	Additional clearing was not noted at this time. 12/19/06	None at this time. 12/19/06	NA
Powder Hill Rd.	No clearing at this time only access road construction. 12/19/06	None 12/19/06	NA
Dewatering	Dewatering was not necessary during foundation drilling mud was drying. 12/19/06	Monitor area for run-off and consider using silt fence to contain the area, if needed. 11/7-12/19/06	NA
Black Walnut Dr	Slurry has been spread and is mostly dry. 12/19/06	Mud should removed or used onsite and stabilized as soon as possible. 12/19/06	Dewatering was contained.
North of PAR Receiving Yard Along Rte. 17	Slurry has been spread and is mostly dry. 12/19/06	Mud should removed or used onsite and stabilized as soon as possible. 12/19/06	Dewatering was contained.
Black Pond	Dewatering controls at Black Pond include filter-socks, layers of silt fence, haybales, and mulch. Some of the controls have been overwhelmed and are stressed by heavy accumulation of slurry from the latest foundation installation. Turbid water and sediment are getting through the controls to the adjacent wetland.	Additional/alternative controls are now needed. Sediment accumulation needs to be spread out to dry and completely contained. Sediment should be removed carefully from the wetland by hand. Stabilize exposed surfaces as soon as possible. 12/19/06	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
	12/19/06		
Blasting	No blasting is proposed at this time. 12/19/06	None 12/19/06	NA
<p data-bbox="188 443 380 501">Spills, soils and material storage</p> <p data-bbox="188 646 375 674">Black Walnut Dr.</p> <p data-bbox="188 1203 428 1262">Contractor Receiving Yard and Staging Area</p>	<p data-bbox="488 443 786 533">Spill controls move from site to site with the equipment. 12/19/06</p> <p data-bbox="488 632 797 722">Concrete washout area is in place with fencing to protect the area. 12/19/06</p> <p data-bbox="488 758 794 947">Some materials (structure components, equipment, etc.) are being stored here. These materials are located well away from any resource areas.</p> <p data-bbox="488 982 797 1171">The small spray pattern of fluid (fuel or hydraulic) from last week was no longer noted. This was a non-reportable amount. 12/19/06</p> <p data-bbox="488 1207 797 1522">Materials are being stored and structures staged in this area. Some stored materials are located within the 100-foot buffer zone from resource areas including one roll-off dumpster and some equipment. 11/28-12/19/06</p> <p data-bbox="488 1591 797 1753">The nozzles at the refueling tanks are now contained within a 5-gallon bucket lined with a spill pad. 12/19/06</p> <p data-bbox="488 1787 797 1971">One truck containing a refueling container was located onsite. The nozzle was placed on a flatbed truck and was not dripping. Container may</p>	<p data-bbox="823 443 1131 596">Always use spill control materials when working on equipment and during refueling. Replace as needed. 12/19/06</p> <p data-bbox="823 632 1102 722">Maintain washout area with safety precautions. 12/19/06</p> <p data-bbox="823 758 1065 848">Continue to store materials away from resource areas.</p> <p data-bbox="823 982 1078 1073">Always clean spills as soon as they occur. 12/19/06</p> <p data-bbox="823 1207 1131 1360">Always use spill control materials when working on equipment and during refueling. Replace as needed. 12/19/06</p> <p data-bbox="823 1396 1109 1549">Move dumpster and stored equipment to greater than 100 feet from wetland if feasible. 12/19/06</p> <p data-bbox="823 1591 1127 1682">Monitor and make sure nozzles are being stored after every use. 12/19/06</p> <p data-bbox="823 1787 1122 1971">Install the same controls/containment used on the fuel containers in the yard. Monitor for spills/leaks and keep fueling trucks away from</p>	<p data-bbox="1156 443 1200 470">NA</p> <p data-bbox="1156 632 1200 659">NA</p> <p data-bbox="1156 758 1200 785">NA</p> <p data-bbox="1156 982 1398 1041">Spray was no longer noted.</p> <p data-bbox="1156 1207 1438 1297">Need to monitor area and relocate equipment if feasible.</p> <p data-bbox="1156 1591 1422 1619">Nozzles are contained.</p> <p data-bbox="1156 1787 1433 1814">Needs to be monitored.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Black Pond	not currently be holding fuel. 12/19/06	wetlands and drainage areas. 12/19/06	
	A concrete washout area was set up and had been used regularly. 12/19/06	Continue to use and maintain the designated washout areas. 12/19/06	Concrete washout area maintained.
ROW, North of Beseck SS	Concrete washout area was set up and has been used. 12/19/06	Continue to use and maintain the designated washout areas. 12/19/06	Concrete washout area maintained.
Additional Observations	NA	NA	NA

Next likely scheduled inspection:

Wednesday December 27, 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.



ROW access road 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.



Nozzles for the fuel tank remain inside of 5-gallon buckets with spill controls at the contractor yard.



Slightly turbid pond adjacent to the PAR shipping and receiving yard. It is still unclear whether the turbidity here was a pre-existing condition.



View of foundation installation occurring in the ROW north of of Beseck SS.



Silt fence/filter sock barrier along the access road adjacent to Black Pond used to contain slurry from dewatering. Slurry has overwhelmed the controls and entered the wetland in this location.



Turbid water and sediment flowed beyond the silt fence and into the adjacent wetland at Black Pond.



Old slurry containment areas located in the ROW north of the contractor yard along Rte 17. Sediment is being removed, spread, and dried.



Previous 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.



Silt fence and timber mat installation along the new access road off Powder Hill Rd.